Iterasi 5/30 - Best Fitness: 68.5

Iterasi 10/30 - Best Fitness: 61.

Iterasi 15/30 - Best Fitness: 61.0

Iterasi 20/30 - Best Fitness: 53.0

Iterasi 25/30 - Best Fitness: 44.0

Iterasi 30/30 - Best Fitness: 44.0

Optimasi Selesai!

Best Fitness: 44.0

Populasi 5, Eksperimen 1/30 selesai

Iterasi 5/30 - Best Fitness: 66.0

Iterasi 10/30 - Best Fitness: 59.5

Iterasi 15/30 - Best Fitness: 57.0

Iterasi 20/30 - Best Fitness: 56.5

Iterasi 25/30 - Best Fitness: 56.5

Iterasi 30/30 - Best Fitness: 56.5

Optimasi Selesai!

Best Fitness: 56.5

Populasi 5, Eksperimen 2/30 selesai

Iterasi 5/30 - Best Fitness: 71.5

Iterasi 10/30 - Best Fitness: 62.0

Iterasi 15/30 - Best Fitness: 58.5

Iterasi 20/30 - Best Fitness: 50.5

Iterasi 25/30 - Best Fitness: 44.5

Iterasi 30/30 - Best Fitness: 44.5

Optimasi Selesai!

Best Fitness: 44.5

Populasi 5, Eksperimen 3/30 selesai

Iterasi 5/30 - Best Fitness: 61.5

Iterasi 10/30 - Best Fitness: 59.5

Iterasi 15/30 - Best Fitness: 59.5

Iterasi 20/30 - Best Fitness: 59.0

Iterasi 25/30 - Best Fitness: 42.5

Iterasi 30/30 - Best Fitness: 34.5

Optimasi Selesai!

Best Fitness: 34.5

Populasi 5, Eksperimen 4/30 selesai

Iterasi 5/30 - Best Fitness: 66.5

Iterasi 10/30 - Best Fitness: 60.0

Iterasi 15/30 - Best Fitness: 60.0

Iterasi 20/30 - Best Fitness: 60.0

Iterasi 25/30 - Best Fitness: 52.0

Iterasi 30/30 - Best Fitness: 49.5

Optimasi Selesai!

Best Fitness: 49.5

Populasi 5, Eksperimen 5/30 selesai

Total conflicts: 105, Preference conflicts: 22

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 9

Total conflicts: 106, Preference conflicts: 15

Populasi awal: [116.0, 105.0, 106.0, 99.5, 113.5]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 87, Preference conflicts: 3

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 83.0

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 79.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 68.0

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 17

Iterasi 5/30 - Best Fitness: 68.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 3

Iterasi 6/30 - Best Fitness: 59.5

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 59.5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 59.5

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 59.5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 59.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 59.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 53, Preference conflicts: 5

Iterasi 12/30 - Best Fitness: 55.5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 54.5

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 3

Iterasi 14/30 - Best Fitness: 54.5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 49.0

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 49.0

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 49.0

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 4

Iterasi 18/30 - Best Fitness: 49.0

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 49.0

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 49.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 49.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 13

Iterasi 22/30 - Best Fitness: 49.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Iterasi 23/30 - Best Fitness: 49.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 49.0

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 49.0

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 41, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 12

Iterasi 26/30 - Best Fitness: 46.0

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 46.0

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 46.0

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 46.0

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 46.0

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 46.0

Populasi 5, Eksperimen 6/30 selesai

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 113, Preference conflicts: 10

Total conflicts: 97, Preference conflicts: 20

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 18

Populasi awal: [109.0, 118.0, 107.0, 107.5, 113.0]

Iterasi 1/30 - Best Fitness: 107.0

Total conflicts: 80, Preference conflicts: 16

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 81.5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

Iterasi 3/30 - Best Fitness: 71.0

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 71.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 68.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 68.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 68.5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 1

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 68.5

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 68.5

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 68.0

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 62.5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 58.0

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 58.0

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 4

Iterasi 14/30 - Best Fitness: 54.0

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 48, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 51.0

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 51.0

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 10

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Iterasi 23/30 - Best Fitness: 51.0

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Iterasi 24/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 51.0

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 51.0

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 40, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 42.5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 42, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 42.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 44, Preference conflicts: 2

Iterasi 29/30 - Best Fitness: 42.5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 42.5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 42.5

Populasi 5, Eksperimen 7/30 selesai

Total conflicts: 99, Preference conflicts: 20

Total conflicts: 101, Preference conflicts: 17

Total conflicts: 114, Preference conflicts: 18

Total conflicts: 93, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 21

Populasi awal: [109.0, 109.5, 123.0, 101.0, 110.5]

Iterasi 1/30 - Best Fitness: 101.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 77.0

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 77.0

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 73.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 72.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 72.0

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 68.5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 67.5

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 67.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 67.5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 65.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 65.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Iterasi 13/30 - Best Fitness: 62.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 61.5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 61.5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Iterasi 16/30 - Best Fitness: 61.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 61.5

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Iterasi 18/30 - Best Fitness: 61.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 61.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Iterasi 20/30 - Best Fitness: 61.5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 61.5

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 4

Iterasi 22/30 - Best Fitness: 61.5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 59.0

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 4

Iterasi 24/30 - Best Fitness: 53.0

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 51.0

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 40, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 44.0

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 41, Preference conflicts: 3

Iterasi 27/30 - Best Fitness: 42.5

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 42.5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 42.5

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 42.5

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Optimasi Selesai!

Best Fitness: 42.5

Detail Konflik: {'conflict\_temp\_ids': {1, 132, 8, 139, 140, 144, 16, 145, 19, 22, 151, 23, 154, 26, 30, 159, 31, 158, 162, 163, 164, 165, 45, 47, 50, 51, 53, 55, 63, 66, 70, 76, 79, 87, 92, 93, 101, 116, 118, 122, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 4]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 1049]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 1050]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1049, 42]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [42, 1050]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 616]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [715, 212]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [213, 717]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [214, 718]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [239, 743]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [239, 744]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [743, 240]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [240, 744]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [751, 1256]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [752, 1256]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [753, 1257]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [254, 1262]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [254, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1262, 255]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [255, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [255, 1264]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1263, 256]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [256, 1264]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [262, 766]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [263, 767]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [263, 768]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [767, 264]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [264, 768]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [269, 1278]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [270, 1278]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [271, 1279]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [271, 1280]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [298, 802]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [309, 813]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [310, 814]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [311, 815]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [825, 1329]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [322, 1330]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [323, 1331]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1331, 324]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [329, 833]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [329, 834]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [833, 330]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [330, 834]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [394, 1402]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [395, 1403]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [395, 1404]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1403, 396]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [396, 1404]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [406, 910]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [407, 911]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [407, 912]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [940, 1444]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [941, 1445]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [941, 1446]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1445, 942]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [942, 1446]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [466, 970]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [467, 971]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [467, 972]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [971, 468]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [468, 972]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [999, 496]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [497, 1002]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [498, 1002]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1435, 932]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {152, 10, 95}}

Populasi 5, Eksperimen 8/30 selesai

Total conflicts: 101, Preference conflicts: 13

Total conflicts: 92, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 19

Total conflicts: 93, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 17

Populasi awal: [107.5, 100.0, 111.5, 102.5, 111.5]

Iterasi 1/30 - Best Fitness: 100.0

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 79.0

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 75.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 70.5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 70.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 69.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 66.5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 13

Iterasi 8/30 - Best Fitness: 59.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 59.0

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 59.0

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 59.0

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Iterasi 12/30 - Best Fitness: 59.0

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 59.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 59.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Iterasi 15/30 - Best Fitness: 56.5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 56.5

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 56.5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 4

Iterasi 18/30 - Best Fitness: 53.0

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 53.0

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Iterasi 20/30 - Best Fitness: 53.0

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 53.0

Total conflicts: 44, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 48.5

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 48.5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 48.5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 3

Iterasi 25/30 - Best Fitness: 48.5

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 48.5

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 48.5

Total conflicts: 42, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 45.5

Total conflicts: 40, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 2

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 3

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 36, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Optimasi Selesai!

Best Fitness: 43.0

Detail Konflik: {'conflict\_temp\_ids': {129, 131, 4, 132, 6, 136, 141, 145, 19, 148, 149, 150, 20, 24, 153, 22, 156, 30, 33, 34, 41, 50, 55, 57, 66, 67, 73, 82, 91, 92, 93, 95, 98, 100, 105, 106, 109, 115, 116, 118}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [562, 1066]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [563, 1067]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [563, 1068]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [1067, 564]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [564, 1068]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1073, 570]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [570, 1074]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 571]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 572]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [571, 68]}, 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'slot\_ids': [314, 1322]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [314, 819]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [314, 1323]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [818, 1322]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [818, 315]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [818, 1323]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1322, 315]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1322, 819]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 819]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 1323]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 1324]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [819, 1323]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [819, 316]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [819, 1324]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1323, 316]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': 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{'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [832, 1336]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [833, 1337]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [833, 1338]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {131, 136, 106, 75, 144, 16}}

Populasi 5, Eksperimen 9/30 selesai

Total conflicts: 89, Preference conflicts: 23

Total conflicts: 95, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 11

Total conflicts: 95, Preference conflicts: 18

Populasi awal: [100.5, 104.0, 110.0, 107.5, 104.0]

Iterasi 1/30 - Best Fitness: 100.5

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 85, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 75.0

Total conflicts: 70, Preference conflicts: 18

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 66.0

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Iterasi 5/30 - Best Fitness: 66.0

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 66.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 65.5

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 5

Iterasi 8/30 - Best Fitness: 53.0

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 53.0

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 53.0

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 53.0

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 53.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 10

Iterasi 13/30 - Best Fitness: 53.0

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Iterasi 14/30 - Best Fitness: 53.0

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 53.0

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 53.0

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 2

Iterasi 17/30 - Best Fitness: 53.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 53.0

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Iterasi 19/30 - Best Fitness: 53.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Iterasi 20/30 - Best Fitness: 53.0

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Iterasi 21/30 - Best Fitness: 53.0

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 53.0

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 53.0

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 53.0

Total conflicts: 79, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Iterasi 25/30 - Best Fitness: 53.0

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 53.0

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 53.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 12

Iterasi 28/30 - Best Fitness: 53.0

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 53.0

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 53.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 53.0

Detail Konflik: {'conflict\_temp\_ids': {129, 1, 131, 132, 134, 135, 8, 6, 11, 140, 139, 145, 18, 148, 23, 151, 152, 26, 159, 33, 163, 36, 166, 42, 171, 45, 47, 49, 55, 58, 63, 65, 69, 73, 77, 80, 82, 88, 89, 90, 92, 95, 99, 102, 110, 112, 117, 119, 122}, 'room\_consistency\_conflicts': [{'temp\_id': 99, 'ruangan': ['4.1.5.55', '4.1.5.60'], 'slot\_ids': [848, 962, 963]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 4]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [4, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 509]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 6]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1071, 64]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [65, 570]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 581]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 582]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [581, 78]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [78, 582]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 583]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 1087]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [583, 1087]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [583, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [585, 1089]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 602]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [602, 99]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 604]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [603, 100]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [100, 604]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [105, 609]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [106, 610]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [107, 611]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [130, 634]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [131, 635]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [131, 636]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [133, 637]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [133, 638]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [637, 134]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [134, 638]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [134, 639]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [638, 135]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [135, 639]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [691, 188]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [188, 692]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [205, 710]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 710]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 711]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [710, 207]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [207, 711]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [207, 712]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [714, 1218]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [715, 1219]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [715, 1220]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1219, 716]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [716, 1220]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [233, 234]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [247, 751]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [247, 752]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [271, 775]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [271, 776]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [843, 340]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [365, 1374]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [366, 1374]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1395, 388]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [406, 1414]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [407, 1415]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [407, 1416]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [1415, 408]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [408, 1416]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [951, 448]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [448, 952]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [449, 953]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [953, 450]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [496, 1504]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [497, 1505]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [497, 1506]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1505, 498]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [498, 1506]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [550, 1054]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [551, 1055]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [551, 1056]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1055, 552]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [552, 1056]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [877, 1382]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [878, 1382]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [878, 1383]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [1382, 879]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [879, 1383]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [879, 880]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [879, 1384]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [993, 1497]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {33, 42, 110, 52, 117, 22, 55, 152}}

Populasi 5, Eksperimen 10/30 selesai

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 95, Preference conflicts: 12

Total conflicts: 103, Preference conflicts: 22

Total conflicts: 106, Preference conflicts: 14

Populasi awal: [104.0, 106.5, 101.0, 114.0, 113.0]

Iterasi 1/30 - Best Fitness: 101.0

Total conflicts: 87, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 14

Iterasi 2/30 - Best Fitness: 76.5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 74.0

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 15

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 74.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Iterasi 5/30 - Best Fitness: 66.0

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 66.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 66.0

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 56.0

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 56.0

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Iterasi 10/30 - Best Fitness: 56.0

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 14

Total conflicts: 57, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 56.0

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 56.0

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 54.5

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 49.5

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 15

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 49.5

Total conflicts: 47, Preference conflicts: 3

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 4

Iterasi 16/30 - Best Fitness: 48.5

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 48.5

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 48.5

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 48.5

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 48.5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 48.5

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 48.5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

Iterasi 23/30 - Best Fitness: 48.5

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 48.5

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 48.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 48.5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 48.5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 48.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 48.5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Iterasi 30/30 - Best Fitness: 48.5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 48.5

Detail Konflik: {'conflict\_temp\_ids': {129, 1, 4, 132, 134, 6, 136, 8, 138, 11, 9, 15, 144, 19, 20, 148, 150, 23, 24, 22, 158, 31, 32, 161, 165, 39, 41, 49, 50, 54, 56, 62, 64, 65, 68, 73, 79, 94, 98, 99, 100, 110, 112, 116, 119, 122, 126}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [9, 1017]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 514]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 1018]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [514, 1018]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 515]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 516]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [55, 1063]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [1063, 56]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 587]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': 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'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {131, 155, 95}}

Populasi 5, Eksperimen 11/30 selesai

Total conflicts: 103, Preference conflicts: 11

Total conflicts: 103, Preference conflicts: 16

Total conflicts: 86, Preference conflicts: 20

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 20

Populasi awal: [108.5, 111.0, 96.0, 108.0, 111.0]

Iterasi 1/30 - Best Fitness: 96.0

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 2

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 91, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 79.0

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 77.0

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 69.5

Total conflicts: 83, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 69.5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 65.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 12

Iterasi 7/30 - Best Fitness: 56.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Iterasi 8/30 - Best Fitness: 56.5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 56.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 56.5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 56.5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 56.5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 42, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Iterasi 13/30 - Best Fitness: 45.0

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 45.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 45.0

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 45.0

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 45.0

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 45.0

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 45.0

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 12

Iterasi 20/30 - Best Fitness: 45.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 45.0

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 4

Iterasi 22/30 - Best Fitness: 45.0

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 45.0

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 45.0

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 45.0

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 45.0

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 15

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 45.0

Total conflicts: 50, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 45.0

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 45.0

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 45.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 45.0

Detail Konflik: {'conflict\_temp\_ids': {1, 129, 4, 132, 5, 8, 136, 9, 13, 144, 145, 20, 148, 22, 151, 26, 156, 157, 159, 34, 36, 164, 39, 41, 45, 47, 51, 60, 63, 71, 73, 78, 79, 93, 94, 95, 99, 108, 109, 110, 119, 124}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [37, 542]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [38, 542]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [38, 543]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 614]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [614, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [614, 111]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [614, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1118, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [111, 615]}, 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Populasi 5, Eksperimen 12/30 selesai

Total conflicts: 94, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 13

Total conflicts: 103, Preference conflicts: 21

Populasi awal: [103.0, 109.0, 112.5, 98.5, 113.5]

Iterasi 1/30 - Best Fitness: 98.5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 90, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 79.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 67.0

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 5

Iterasi 4/30 - Best Fitness: 67.0

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 67.0

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 66.5

Total conflicts: 65, Preference conflicts: 15

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 62.0

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 13

Iterasi 8/30 - Best Fitness: 50.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 50.5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 50.5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 50.5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 49.5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 13

Iterasi 13/30 - Best Fitness: 49.5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Iterasi 14/30 - Best Fitness: 49.5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 49.5

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 49.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 49.5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 4

Iterasi 18/30 - Best Fitness: 49.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 49.5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 38, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 3

Iterasi 20/30 - Best Fitness: 42.5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 3

Iterasi 21/30 - Best Fitness: 42.5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 42.5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Iterasi 23/30 - Best Fitness: 42.5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 42, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 42.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 42.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 42.5

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 42.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 42, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 42.5

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 44, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 42.5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 41, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 14

Iterasi 30/30 - Best Fitness: 42.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 42.5

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822]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [394, 898]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [395, 899]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [395, 900]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [413, 917]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [917, 414]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [466, 970]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [467, 971]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [467, 972]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [470, 975]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [471, 975]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [471, 976]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [975, 472]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [472, 976]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1371, 868]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [868, 1372]}, {'ruang': 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Populasi 5, Eksperimen 13/30 selesai

Total conflicts: 108, Preference conflicts: 13

Total conflicts: 93, Preference conflicts: 20

Total conflicts: 94, Preference conflicts: 16

Total conflicts: 90, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 16

Populasi awal: [114.5, 103.0, 102.0, 97.5, 111.0]

Iterasi 1/30 - Best Fitness: 97.5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 63.0

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 6

Iterasi 3/30 - Best Fitness: 59.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 94, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 59.5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 13

Iterasi 5/30 - Best Fitness: 59.5

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 59.5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 56.5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 56.5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 56.5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 2

Iterasi 10/30 - Best Fitness: 56.5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 56.5

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 50.0

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 50.0

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 50.0

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 12

Iterasi 15/30 - Best Fitness: 50.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 50.0

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 50.0

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 50.0

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 4

Iterasi 20/30 - Best Fitness: 50.0

Total conflicts: 62, Preference conflicts: 0

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 50.0

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 50.0

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 12

Iterasi 23/30 - Best Fitness: 50.0

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 50.0

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 50.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 50.0

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 50.0

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 13

Iterasi 29/30 - Best Fitness: 50.0

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 50.0

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 50.0

Detail Konflik: {'conflict\_temp\_ids': {129, 1, 4, 5, 6, 7, 10, 138, 140, 141, 14, 13, 145, 19, 20, 22, 26, 155, 156, 30, 159, 32, 161, 33, 163, 31, 37, 39, 42, 171, 51, 54, 57, 59, 65, 71, 76, 79, 92, 93, 94, 98, 102, 105, 109, 118, 124, 126}, 'room\_consistency\_conflicts': [{'temp\_id': 102, 'ruangan': ['4.1.5.60', '4.1.5.59'], 'slot\_ids': [625, 865, 866]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [542, 39]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 543]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 544]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [543, 40]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [40, 544]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 619]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 620]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [619, 116]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [116, 620]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [646, 1150]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [647, 1151]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [647, 1152]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [1151, 648]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [648, 1152]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [1189, 686]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [686, 1190]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [686, 1191]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [1190, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [687, 1191]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [1191, 688]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [187, 692]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [691, 692]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [188, 692]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 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'hari': 'sabtu', 'slot\_ids': [946, 1450]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [443, 947]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [443, 1451]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [443, 948]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [443, 1452]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [947, 1451]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [947, 444]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [947, 1452]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1451, 444]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1451, 948]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [444, 948]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [444, 1452]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [948, 1452]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [446, 951]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [447, 951]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 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Populasi 5, Eksperimen 14/30 selesai

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 13

Total conflicts: 96, Preference conflicts: 21

Total conflicts: 99, Preference conflicts: 12

Total conflicts: 93, Preference conflicts: 20

Populasi awal: [106.5, 107.5, 106.5, 105.0, 103.0]

Iterasi 1/30 - Best Fitness: 103.0

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 74.5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 14

Iterasi 3/30 - Best Fitness: 74.5

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 69.5

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 14

Iterasi 5/30 - Best Fitness: 69.5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 62.0

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 62.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 62.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 62.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 62.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 62.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 53.5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 4

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 4

Iterasi 14/30 - Best Fitness: 53.5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 51.0

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 46, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 50.5

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 47.0

Total conflicts: 50, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 3

Iterasi 19/30 - Best Fitness: 47.0

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 47.0

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 47, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 47.0

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 47.0

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 47.0

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 47.0

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 47.0

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 42, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 44.0

Total conflicts: 43, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 44.0

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 44.0

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 44.0

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 44.0

Total conflicts: 39, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Optimasi Selesai!

Best Fitness: 44.0

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 131, 4, 135, 136, 9, 140, 13, 15, 19, 21, 149, 23, 150, 25, 22, 155, 157, 30, 159, 161, 33, 165, 41, 50, 53, 58, 63, 65, 69, 76, 79, 88, 93, 95, 106, 112, 119, 122, 126, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 517]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [517, 14]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 520]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [33, 537]}, {'ruang': 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Populasi 5, Eksperimen 15/30 selesai

Total conflicts: 111, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 19

Total conflicts: 109, Preference conflicts: 15

Total conflicts: 113, Preference conflicts: 19

Total conflicts: 91, Preference conflicts: 17

Populasi awal: [119.0, 106.5, 116.5, 122.5, 99.5]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 78.0

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 15

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 65.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 63.5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 14

Iterasi 6/30 - Best Fitness: 63.5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 61.5

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 61.5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 61.5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 61.5

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 61.5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 60.5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 4

Iterasi 13/30 - Best Fitness: 54.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 42, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 47.5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 47.5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 47.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 47.5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 47.5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 47.5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 47.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 47.5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 47.5

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 47.5

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 47.5

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 47.5

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 52, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 47.5

Total conflicts: 43, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 46.0

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 40, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 44.0

Total conflicts: 45, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 44.0

Total conflicts: 39, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 41.0

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 41.0

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 131, 4, 7, 139, 18, 23, 151, 26, 155, 30, 32, 33, 34, 162, 164, 165, 166, 39, 42, 45, 47, 49, 57, 63, 64, 69, 78, 89, 91, 98, 106, 110, 115, 116, 119, 126, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [520, 1024]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [521, 1025]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [521, 1026]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1025, 522]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [522, 1026]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [22, 1030]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 1031]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 1032]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1031, 24]}, {'ruang': 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Populasi 5, Eksperimen 16/30 selesai

Total conflicts: 98, Preference conflicts: 18

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 18

Total conflicts: 91, Preference conflicts: 16

Populasi awal: [107.0, 106.5, 105.5, 107.0, 99.0]

Iterasi 1/30 - Best Fitness: 99.0

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 74.5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 71.5

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 66.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 66.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Iterasi 6/30 - Best Fitness: 66.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 66.0

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 65.5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 3

Iterasi 9/30 - Best Fitness: 65.5

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 65.0

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 61.5

Total conflicts: 63, Preference conflicts: 2

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 61.5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 4

Iterasi 13/30 - Best Fitness: 61.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 61.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 61.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 61.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 3

Iterasi 17/30 - Best Fitness: 61.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 56.5

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 56.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 56.5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 56.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 56.5

Total conflicts: 71, Preference conflicts: 16

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 12

Iterasi 23/30 - Best Fitness: 53.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Iterasi 24/30 - Best Fitness: 52.5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 41, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 44.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 43, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 44.0

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 44.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 44.0

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 44.0

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 44.0

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Optimasi Selesai!

Best Fitness: 44.0

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Populasi 5, Eksperimen 17/30 selesai

Total conflicts: 94, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 10

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 109, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 20

Populasi awal: [101.0, 109.0, 110.5, 116.0, 114.0]

Iterasi 1/30 - Best Fitness: 101.0

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 102, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 80.5

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 65.5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 63.5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 63.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 60.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 60.5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 54.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 1

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 54.5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 54.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 54.5

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 54.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 13

Iterasi 13/30 - Best Fitness: 51.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 51.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 12

Iterasi 15/30 - Best Fitness: 51.5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 51.5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 51.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 51.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 13

Iterasi 19/30 - Best Fitness: 51.5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 51.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 48.0

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 48.0

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 48.0

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Iterasi 25/30 - Best Fitness: 48.0

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 11

Iterasi 26/30 - Best Fitness: 48.0

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Iterasi 27/30 - Best Fitness: 48.0

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 48.0

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 2

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 14

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 48.0

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 132, 5, 134, 6, 8, 9, 11, 13, 14, 16, 18, 149, 22, 153, 157, 31, 164, 49, 51, 57, 62, 63, 65, 66, 68, 69, 75, 77, 79, 82, 88, 91, 94, 95, 98, 100, 102, 105, 110, 117, 122, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [16, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 523]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 20]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [20, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [21, 525]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 76]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [76, 580]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [109, 613]}, {'ruang': 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[1273, 770]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 770]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 1274]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 771]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 1275]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [770, 1274]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [770, 267]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [770, 1275]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1274, 267]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1274, 771]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [267, 771]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [267, 1275]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [771, 1275]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [771, 268]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1275, 268]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [787, 1291]}, 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Populasi 5, Eksperimen 18/30 selesai

Total conflicts: 106, Preference conflicts: 18

Total conflicts: 93, Preference conflicts: 19

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 20

Populasi awal: [115.0, 102.5, 100.5, 104.0, 115.0]

Iterasi 1/30 - Best Fitness: 100.5

Total conflicts: 90, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 5

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 87.5

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 13

Iterasi 3/30 - Best Fitness: 81.5

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 69.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 69.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 65.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 65.5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 63.0

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 63.0

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 63.0

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 63.0

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 63.0

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 61.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 61.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 61.5

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 56.5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 56.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 56.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 56.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 56.5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 56.5

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 56.5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Iterasi 23/30 - Best Fitness: 55.5

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 53.0

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 50.0

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 50.0

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 2

Total conflicts: 61, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 50.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Iterasi 30/30 - Best Fitness: 50.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 15

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 50.0

Detail Konflik: {'conflict\_temp\_ids': {1, 2, 129, 6, 135, 11, 16, 24, 153, 26, 155, 157, 33, 161, 163, 36, 165, 166, 34, 42, 49, 54, 56, 57, 58, 64, 65, 67, 70, 73, 76, 77, 82, 87, 88, 94, 99, 100, 101, 108, 109, 110, 111, 116, 119, 122, 124}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1010, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 4]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1011, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [4, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 509]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 6]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 517]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': 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Populasi 5, Eksperimen 19/30 selesai

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 19

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 107, Preference conflicts: 20

Populasi awal: [107.5, 109.5, 114.5, 113.0, 117.0]

Iterasi 1/30 - Best Fitness: 107.5

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 91, Preference conflicts: 9

Total conflicts: 91, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 79.0

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 16

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 75.5

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 67.5

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 61.5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 2

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 61.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 61.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 61.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 61.5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 61.5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 61.5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 57.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Iterasi 13/30 - Best Fitness: 57.5

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 4

Iterasi 14/30 - Best Fitness: 57.5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 13

Iterasi 15/30 - Best Fitness: 56.0

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 55.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 55.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 55.5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 55.5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 55.5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Iterasi 21/30 - Best Fitness: 55.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 55.5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 55.5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 55.5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 12

Iterasi 25/30 - Best Fitness: 55.5

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 55.5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 55.5

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 55.5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 2

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 4

Iterasi 29/30 - Best Fitness: 55.5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 55.5

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 55.5

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Populasi 5, Eksperimen 20/30 selesai

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 20

Total conflicts: 100, Preference conflicts: 19

Total conflicts: 113, Preference conflicts: 14

Populasi awal: [103.5, 107.0, 107.0, 109.5, 120.0]

Iterasi 1/30 - Best Fitness: 103.5

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 91, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 12

Iterasi 2/30 - Best Fitness: 87.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 4

Iterasi 3/30 - Best Fitness: 73.0

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 73.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 70.5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 3

Iterasi 6/30 - Best Fitness: 70.5

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 70.5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Iterasi 8/30 - Best Fitness: 67.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 62.5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 62.5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 12

Iterasi 11/30 - Best Fitness: 62.5

Total conflicts: 59, Preference conflicts: 14

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 53.5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 53.5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 53.5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Iterasi 16/30 - Best Fitness: 53.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 53.5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 93, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 53.5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 53.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 53.5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 53.5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 1

Iterasi 22/30 - Best Fitness: 53.5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 53.5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Iterasi 24/30 - Best Fitness: 53.5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Iterasi 25/30 - Best Fitness: 53.5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 53.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 53.5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 53.5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 53.5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 53.5

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 53.5

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Populasi 5, Eksperimen 21/30 selesai

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 20

Populasi awal: [108.5, 107.0, 103.0, 108.5, 110.0]

Iterasi 1/30 - Best Fitness: 103.0

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 94, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 76.5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 12

Iterasi 3/30 - Best Fitness: 76.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 5

Iterasi 4/30 - Best Fitness: 72.0

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 13

Iterasi 5/30 - Best Fitness: 72.0

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 67.0

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 64.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 64.0

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 63.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 14

Iterasi 10/30 - Best Fitness: 58.5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 55.5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 55.5

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 55.5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 55.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 13

Iterasi 15/30 - Best Fitness: 55.5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 2

Iterasi 16/30 - Best Fitness: 55.5

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 55.5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 55.5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 4

Iterasi 19/30 - Best Fitness: 55.5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 1

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 55.5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 55.5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 91, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 80, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 55.5

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 55.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 87, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 55.5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 91, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 55.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 55.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 55.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 54.5

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 2

Total conflicts: 68, Preference conflicts: 11

Iterasi 29/30 - Best Fitness: 54.0

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 54.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Optimasi Selesai!

Best Fitness: 54.0

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Populasi 5, Eksperimen 22/30 selesai

Total conflicts: 97, Preference conflicts: 17

Total conflicts: 109, Preference conflicts: 18

Total conflicts: 97, Preference conflicts: 20

Total conflicts: 100, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 18

Populasi awal: [105.5, 118.0, 107.0, 107.0, 111.0]

Iterasi 1/30 - Best Fitness: 105.5

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 3

Iterasi 2/30 - Best Fitness: 69.5

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 69.5

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 69.5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 69.5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 69.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 69.0

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 65.5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 65.5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 65.5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 65.5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 13

Iterasi 12/30 - Best Fitness: 65.5

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 65.5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 65.5

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 5

Iterasi 15/30 - Best Fitness: 63.5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 63.5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Iterasi 17/30 - Best Fitness: 59.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 59.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 59.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 14

Iterasi 20/30 - Best Fitness: 59.5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 59.5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 59.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 59.5

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 59.5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Iterasi 25/30 - Best Fitness: 59.5

Total conflicts: 43, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 48.0

Total conflicts: 49, Preference conflicts: 2

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 48.0

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 48.0

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 4

Optimasi Selesai!

Best Fitness: 48.0

Detail Konflik: {'conflict\_temp\_ids': {131, 5, 135, 136, 138, 11, 140, 13, 15, 19, 22, 23, 152, 153, 151, 27, 157, 32, 33, 37, 166, 165, 41, 50, 52, 55, 59, 60, 62, 65, 67, 69, 76, 80, 88, 93, 94, 98, 100, 105, 110, 111, 115}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 538]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 539]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 540]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [46, 1054]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1081, 74]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1081, 578]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [74, 1082]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [74, 1083]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [578, 1082]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [578, 1083]}, 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{'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [375, 1383]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [386, 1394]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [386, 1395]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1394, 387]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [387, 1395]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [387, 1396]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1395, 388]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [388, 1396]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1467, 460]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [460, 1468]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [461, 966]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [462, 966]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [977, 474]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1003]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1508]}, {'ruang': 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Populasi 5, Eksperimen 23/30 selesai

Total conflicts: 104, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 107, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 15

Populasi awal: [112.5, 107.5, 99.5, 115.0, 105.5]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 12

Iterasi 2/30 - Best Fitness: 81.5

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 77.5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 65.0

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Iterasi 5/30 - Best Fitness: 61.0

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 61.0

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 61.0

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 61.0

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 60.0

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Iterasi 10/30 - Best Fitness: 58.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 12

Iterasi 11/30 - Best Fitness: 57.0

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 57.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 11

Iterasi 13/30 - Best Fitness: 57.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 57.0

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 13

Iterasi 15/30 - Best Fitness: 57.0

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 57.0

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 52.5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 2

Iterasi 18/30 - Best Fitness: 52.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 12

Iterasi 19/30 - Best Fitness: 52.5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 49.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 49.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 49.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 49.0

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 49.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Iterasi 25/30 - Best Fitness: 49.0

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Iterasi 26/30 - Best Fitness: 49.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 49.0

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 49.0

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 49.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 47.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 47.5

Detail Konflik: {'conflict\_temp\_ids': {4, 132, 6, 134, 136, 135, 10, 138, 140, 141, 16, 19, 21, 149, 151, 31, 32, 161, 162, 33, 164, 165, 36, 166, 41, 42, 171, 49, 54, 55, 60, 66, 67, 75, 82, 87, 93, 101, 108, 109, 115, 116, 117, 122, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [105, 609]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [111, 616]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [112, 616]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [113, 617]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [113, 618]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 631]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 1135]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 128]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 632]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 1136]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [146, 651]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [147, 651]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [147, 652]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [178, 682]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [179, 683]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [179, 684]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [1190, 183]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 1191]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 1192]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [1191, 184]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [184, 1192]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [690, 1194]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [691, 1195]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [691, 1196]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [1195, 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'hari': 'kamis', 'slot\_ids': [269, 773]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [773, 270]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [274, 778]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [275, 779]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [275, 780]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [779, 276]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [276, 780]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [865, 1369]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [865, 1370]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1369, 866]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [866, 1370]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [866, 1371]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1370, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [867, 1371]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1373, 366]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [366, 1374]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [367, 1375]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [367, 872]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1375, 368]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1375, 872]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [368, 872]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [405, 909]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [406, 910]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [926, 423]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [423, 927]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [423, 928]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [927, 424]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [424, 928]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [442, 946]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [961, 458]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [458, 962]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [458, 963]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [962, 459]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [459, 963]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [963, 460]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [963, 964]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [965, 462]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [462, 966]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [478, 1486]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [479, 1487]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [479, 1488]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [1487, 480]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [480, 1488]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {33, 66, 1, 51, 63}}

Populasi 5, Eksperimen 24/30 selesai

Total conflicts: 111, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 101, Preference conflicts: 15

Populasi awal: [119.5, 106.5, 104.5, 92.5, 108.5]

Iterasi 1/30 - Best Fitness: 92.5

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 79.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 68.5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 68.5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 68.5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 68.5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 68.5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Iterasi 8/30 - Best Fitness: 63.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 61.5

Total conflicts: 85, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 60.0

Total conflicts: 70, Preference conflicts: 15

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 4

Iterasi 11/30 - Best Fitness: 52.0

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 90, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 52.0

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 52.0

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 52.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 52.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 52.0

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 3

Iterasi 19/30 - Best Fitness: 52.0

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 52.0

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 45, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 49.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 42, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 44.0

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 44.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 44.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Iterasi 25/30 - Best Fitness: 44.0

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 44.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 44.0

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 44.0

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 39, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 34, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 5

Iterasi 30/30 - Best Fitness: 35.5

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 37, Preference conflicts: 2

Total conflicts: 54, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 35.5

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 4, 133, 134, 9, 11, 22, 24, 25, 31, 32, 33, 162, 47, 51, 57, 59, 63, 64, 66, 67, 68, 79, 80, 88, 90, 93, 99, 100, 109, 116, 117, 124}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 1049]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1049, 42]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [583, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [80, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [584, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [585, 1089]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [82, 586]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [82, 1090]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [586, 1090]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 587]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [587, 84]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [197, 702]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [198, 702]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 703]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 704]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [217, 722]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [218, 722]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [218, 723]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [722, 219]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [219, 723]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [219, 724]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1238, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [735, 1239]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [735, 1240]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1239, 736]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [736, 1240]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [737, 1241]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [737, 234]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [737, 1242]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1241, 234]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [234, 1242]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [235, 739]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [235, 740]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [739, 236]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [236, 740]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [257, 1265]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [257, 1266]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1265, 258]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [258, 1266]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 1267]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [795, 292]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [292, 796]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [293, 1301]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [293, 1302]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [1301, 294]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [294, 1302]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [302, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 808]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [807, 304]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [304, 808]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [809, 306]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [307, 812]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [308, 812]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [310, 814]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [382, 886]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [383, 887]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [887, 384]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [901, 1406]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [902, 1406]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [902, 1407]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [1406, 903]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [903, 1407]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [903, 1408]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [426, 930]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [427, 931]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [427, 932]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 556]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {145, 171, 47}}

Populasi 5, Eksperimen 25/30 selesai

Total conflicts: 108, Preference conflicts: 16

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 110, Preference conflicts: 15

Total conflicts: 108, Preference conflicts: 19

Populasi awal: [116.0, 99.5, 109.5, 117.5, 117.5]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 80.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 73.5

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Iterasi 4/30 - Best Fitness: 66.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 66.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 14

Iterasi 6/30 - Best Fitness: 66.5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 66.5

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 65.5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 64.0

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 3

Iterasi 10/30 - Best Fitness: 64.0

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 63.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Iterasi 12/30 - Best Fitness: 62.5

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Iterasi 13/30 - Best Fitness: 62.5

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Iterasi 14/30 - Best Fitness: 57.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 56.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 4

Iterasi 16/30 - Best Fitness: 52.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 39, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Iterasi 17/30 - Best Fitness: 42.5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 42.5

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 4

Iterasi 19/30 - Best Fitness: 42.5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 42.5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 42.5

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 3

Iterasi 22/30 - Best Fitness: 42.5

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 15

Iterasi 23/30 - Best Fitness: 42.5

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Iterasi 24/30 - Best Fitness: 42.5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 42.5

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 42.5

Total conflicts: 45, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 42.5

Total conflicts: 36, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 3

Iterasi 28/30 - Best Fitness: 38.5

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 11

Iterasi 29/30 - Best Fitness: 38.5

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 5

Iterasi 30/30 - Best Fitness: 38.5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 38.5

Detail Konflik: {'conflict\_temp\_ids': {129, 1, 132, 9, 138, 13, 14, 144, 19, 150, 24, 154, 161, 163, 165, 45, 47, 49, 52, 55, 56, 64, 65, 66, 67, 76, 80, 87, 92, 93, 94, 99, 110, 117, 118, 122}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 1021]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 1022]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1021, 14]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 1022]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 1023]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1022, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 1023]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 1024]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [61, 566]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [62, 566]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [62, 567]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [566, 63]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [63, 567]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [63, 568]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [89, 593]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [89, 594]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [593, 90]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [90, 594]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 595]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1117, 110]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1118, 111]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [111, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1119, 112]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 619]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 1123]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 116]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 620]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 1124]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [619, 116]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1123, 116]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [116, 620]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [116, 1124]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [117, 621]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [117, 1125]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 1135]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 1135]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [1135, 128]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [1135, 632]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [128, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [632, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [129, 1137]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [666, 1170]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [667, 1171]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [667, 1172]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [1171, 668]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [668, 1172]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [165, 669]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [166, 670]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [167, 671]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [233, 737]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [233, 738]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [778, 1282]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [779, 1283]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [779, 1284]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1283, 780]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [780, 1284]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [279, 784]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [317, 821]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [317, 822]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [821, 318]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [318, 822]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [319, 1327]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [319, 1328]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [321, 1329]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [953, 450]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [450, 954]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [502, 1006]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [548, 1052]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [549, 1053]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [550, 1054]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {106, 140, 16, 22, 127}}

Populasi 5, Eksperimen 26/30 selesai

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 15

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 85, Preference conflicts: 23

Total conflicts: 107, Preference conflicts: 16

Populasi awal: [114.0, 105.5, 109.5, 96.5, 115.0]

Iterasi 1/30 - Best Fitness: 96.5

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 70.0

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 70.0

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 70.0

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 69.0

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 68.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 65.0

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 55.5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 5

Iterasi 10/30 - Best Fitness: 55.5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 14

Iterasi 11/30 - Best Fitness: 55.5

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 55.5

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 55.5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 13

Iterasi 14/30 - Best Fitness: 55.5

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 55.5

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 3

Iterasi 16/30 - Best Fitness: 55.5

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 55.5

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 55.5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 55.5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 55.5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 55.5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 55.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 4

Iterasi 23/30 - Best Fitness: 55.5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 13

Iterasi 24/30 - Best Fitness: 55.5

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Iterasi 25/30 - Best Fitness: 55.5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 55.5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 55.5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 55.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 55.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Iterasi 30/30 - Best Fitness: 55.5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 55.5

Detail Konflik: {'conflict\_temp\_ids': {132, 6, 8, 9, 139, 13, 16, 18, 19, 149, 22, 151, 153, 25, 26, 156, 158, 32, 161, 163, 164, 166, 39, 47, 49, 53, 56, 60, 63, 68, 71, 73, 76, 77, 79, 80, 90, 92, 93, 95, 98, 99, 100, 101, 108, 109, 110, 119, 124, 126, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 508]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [87, 591]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [87, 592]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [591, 88]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [88, 592]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [101, 606]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [102, 606]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [137, 641]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [137, 642]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [641, 138]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [138, 642]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1157, 654]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [654, 1158]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [655, 1159]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1159, 656]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [154, 1162]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [658, 1162]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [155, 1163]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [659, 1163]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1163, 156]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1163, 660]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [170, 1178]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [170, 1179]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1178, 171]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [171, 1179]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [171, 1180]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1179, 172]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [172, 1180]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [187, 1195]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [187, 1196]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [1195, 188]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [188, 1196]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [189, 693]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [189, 1197]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [693, 1197]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [193, 698]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [194, 698]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [194, 699]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [698, 195]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': 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'slot\_ids': [462, 966]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [501, 1005]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [502, 1006]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 556]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [573, 1077]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {1, 133, 166, 70, 39, 18, 116, 23, 155}}

Populasi 5, Eksperimen 27/30 selesai

Total conflicts: 103, Preference conflicts: 13

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 13

Populasi awal: [109.5, 108.5, 102.0, 110.0, 100.5]

Iterasi 1/30 - Best Fitness: 100.5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 82.0

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 15

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 67.0

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 67.0

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 6

Iterasi 5/30 - Best Fitness: 64.0

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 64.0

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 64.0

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 10

Iterasi 8/30 - Best Fitness: 64.0

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 45, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 49.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 49.0

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 49.0

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 49.0

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Iterasi 13/30 - Best Fitness: 49.0

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 49.0

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 49.0

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 49.0

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 49.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 43, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 48.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 48.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 48.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 48.0

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 48.0

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 48.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 48.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 48.0

Total conflicts: 51, Preference conflicts: 14

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 48.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 48.0

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 38, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 1

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 41.0

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 2

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 12

Optimasi Selesai!

Best Fitness: 41.0

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Populasi 5, Eksperimen 28/30 selesai

Total conflicts: 79, Preference conflicts: 19

Total conflicts: 110, Preference conflicts: 13

Total conflicts: 87, Preference conflicts: 16

Total conflicts: 89, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 18

Populasi awal: [88.5, 116.5, 95.0, 97.5, 105.0]

Iterasi 1/30 - Best Fitness: 88.5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 80.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 69.0

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 3

Iterasi 4/30 - Best Fitness: 68.0

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 13

Iterasi 5/30 - Best Fitness: 67.0

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 67.0

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 4

Iterasi 7/30 - Best Fitness: 67.0

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 67.0

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Iterasi 9/30 - Best Fitness: 64.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 64.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 64.5

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Iterasi 12/30 - Best Fitness: 56.0

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 56.0

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Iterasi 14/30 - Best Fitness: 56.0

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 56.0

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 3

Iterasi 16/30 - Best Fitness: 56.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 56.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 54.5

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 11

Iterasi 19/30 - Best Fitness: 54.5

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 11

Iterasi 21/30 - Best Fitness: 49.5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 49.5

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 12

Iterasi 23/30 - Best Fitness: 49.5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 49.5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 49.5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 49.5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 49.5

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 49.5

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Iterasi 29/30 - Best Fitness: 49.5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 49.5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 90, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 49.5

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332]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [386, 890]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [386, 891]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [890, 387]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [387, 891]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [387, 892]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [891, 388]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [388, 892]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [915, 916]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [426, 930]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [427, 931]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [427, 932]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [931, 428]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [428, 932]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [445, 950]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [446, 950]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [446, 951]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [951, 448]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [448, 952]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [481, 985]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [481, 986]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [985, 482]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 986]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 987]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [986, 483]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 987]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1003, 500]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [500, 1004]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [501, 1005]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1035, 532]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [733, 1237]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [733, 1238]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1237, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [734, 1238]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [734, 1239]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1238, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [735, 1239]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [865, 1370]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [866, 1370]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [866, 1371]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1370, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [867, 1371]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [867, 1372]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {128, 65, 7, 11, 109, 45, 154}}

Populasi 5, Eksperimen 29/30 selesai

Total conflicts: 92, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 19

Total conflicts: 109, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 17

Total conflicts: 93, Preference conflicts: 15

Populasi awal: [98.0, 91.5, 116.5, 111.5, 100.5]

Iterasi 1/30 - Best Fitness: 91.5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 85.0

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 73.5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 73.0

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 73.0

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 65.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 64.0

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 64.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 61.0

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 57.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 12

Iterasi 11/30 - Best Fitness: 57.0

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 57.0

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 88, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Iterasi 13/30 - Best Fitness: 57.0

Total conflicts: 44, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 49.0

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 49.0

Total conflicts: 49, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 49.0

Total conflicts: 42, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 46.5

Total conflicts: 42, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 45.0

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 45.0

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 45.0

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 45.0

Total conflicts: 41, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 44.5

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Iterasi 23/30 - Best Fitness: 44.5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 44.5

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 44.5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 2

Iterasi 26/30 - Best Fitness: 44.5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 12

Iterasi 27/30 - Best Fitness: 44.5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 44.5

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 44.5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 4

Iterasi 30/30 - Best Fitness: 44.5

Total conflicts: 47, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 44.5

Populasi 5, Eksperimen 30/30 selesai

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 11

Total conflicts: 93, Preference conflicts: 18

Total conflicts: 99, Preference conflicts: 19

Total conflicts: 99, Preference conflicts: 13

Total conflicts: 87, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 107, Preference conflicts: 17

Total conflicts: 102, Preference conflicts: 14

Populasi awal: [109.5, 109.5, 102.0, 108.5, 105.5, 94.0, 110.0, 104.0, 115.5, 109.0]

Iterasi 1/30 - Best Fitness: 94.0

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 92, Preference conflicts: 14

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 81.5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 16

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 71.5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 64.5

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 64.5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 61.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 61.5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 61.5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 57.0

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Iterasi 10/30 - Best Fitness: 57.0

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 57.0

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 53.0

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 4

Iterasi 13/30 - Best Fitness: 53.0

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 50.5

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 50.5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Iterasi 16/30 - Best Fitness: 50.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 50.5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 50.5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 50.5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 50.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 50.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 42, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 5

Iterasi 22/30 - Best Fitness: 46.0

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 46.0

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 39, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 13

Iterasi 24/30 - Best Fitness: 40.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 40.5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 42, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 12

Iterasi 26/30 - Best Fitness: 40.5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 40, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 2

Iterasi 27/30 - Best Fitness: 40.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 40.5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 40.5

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 2

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 40.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 40.5

Detail Konflik: {'conflict\_temp\_ids': {129, 132, 133, 134, 135, 4, 9, 15, 145, 148, 22, 151, 153, 31, 161, 162, 163, 34, 41, 50, 51, 55, 57, 58, 63, 64, 66, 68, 79, 82, 90, 91, 92, 94, 106, 109, 112, 116, 117}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [81, 1089]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [585, 1089]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [82, 1090]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [586, 1090]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 1091]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [587, 1091]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [114, 618]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 619]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 620]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [619, 116]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [116, 620]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [126, 630]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 631]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 632]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 128]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [128, 632]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [159, 1168]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [674, 1178]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [674, 1179]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1178, 675]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [675, 1179]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [675, 1180]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1179, 676]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [676, 1180]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [207, 711]}, {'ruang': 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Populasi 10, Eksperimen 1/30 selesai

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 89, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 18

Total conflicts: 90, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 22

Populasi awal: [107.0, 104.5, 107.5, 97.5, 105.5, 105.0, 98.0, 112.5, 103.0, 111.0]

Iterasi 1/30 - Best Fitness: 97.5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 1

Iterasi 2/30 - Best Fitness: 77.0

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 15

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 14

Iterasi 3/30 - Best Fitness: 71.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 69.0

Total conflicts: 51, Preference conflicts: 13

Total conflicts: 86, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 57.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 57.5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 57.5

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 57.5

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Iterasi 9/30 - Best Fitness: 57.5

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 57.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 57.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 57.5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 57.5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 57.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 57.5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 57.5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 57.5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 57.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 57.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 15

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 57.5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 12

Iterasi 21/30 - Best Fitness: 57.5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 57.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 57.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Iterasi 24/30 - Best Fitness: 57.5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 57.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 57.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 57.5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 57.5

Total conflicts: 55, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 12

Iterasi 29/30 - Best Fitness: 57.5

Total conflicts: 49, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 50.5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 12

Optimasi Selesai!

Best Fitness: 50.5

Detail Konflik: {'conflict\_temp\_ids': {129, 131, 132, 133, 5, 7, 135, 10, 139, 140, 13, 15, 16, 19, 21, 149, 150, 24, 154, 26, 157, 30, 161, 165, 37, 39, 45, 55, 60, 62, 65, 67, 68, 69, 75, 79, 82, 90, 91, 92, 94, 99, 105, 107, 110, 115, 119, 122, 127}, 'room\_consistency\_conflicts': [{'temp\_id': 105, 'ruangan': ['4.1.5.55', '4.1.5.59'], 'slot\_ids': [848, 849, 866]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [{'dosen': 'Murein Miksa Mardhia, S.T., M.T.', 'hari': 'jumat', 'slot\_ids': [866, 1406]}], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 514]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 515]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [515, 12]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1045, 38]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [38, 1046]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [38, 1047]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1046, 39]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 1047]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1047, 40]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [572, 1076]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [573, 1077]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [574, 1078]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [633, 1137]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [158, 663]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [159, 663]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [159, 664]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [663, 160]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [160, 664]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [679, 176]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [176, 680]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [177, 681]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [194, 699]}, {'ruang': 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'slot\_ids': [227, 1236]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [731, 1235]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [731, 228]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [731, 1236]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [1235, 228]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [1235, 732]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [228, 732]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [228, 1236]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [732, 1236]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [739, 1244]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [740, 1244]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [741, 1245]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [238, 1246]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [742, 1246]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 763]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 1267]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 764]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 1268]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [763, 1267]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [763, 1268]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1267, 764]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [764, 1268]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [765, 1269]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [289, 1298]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [290, 1298]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [290, 1299]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [794, 1298]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [794, 1299]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [1298, 291]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [1298, 795]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 1299]}, {'ruang': 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'slot\_ids': [499, 1004]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [500, 1004]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [749, 1253]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [749, 1254]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [1253, 750]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [750, 1254]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [751, 1255]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [777, 1281]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [778, 1282]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [779, 1283]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {33, 148, 159}}

Populasi 10, Eksperimen 2/30 selesai

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 13

Total conflicts: 108, Preference conflicts: 11

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 12

Total conflicts: 99, Preference conflicts: 12

Total conflicts: 103, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 17

Total conflicts: 91, Preference conflicts: 15

Total conflicts: 89, Preference conflicts: 17

Populasi awal: [109.0, 108.5, 113.5, 111.0, 112.0, 105.0, 111.5, 112.5, 98.5, 97.5]

Iterasi 1/30 - Best Fitness: 97.5

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 14

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 90, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 76.5

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 73.5

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 1

Total conflicts: 73, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 71.5

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 91, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 67.5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Iterasi 6/30 - Best Fitness: 63.0

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 63.0

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 63.0

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 63.0

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 62.5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 62.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 4

Iterasi 12/30 - Best Fitness: 62.0

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 12

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 53.5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 51.0

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 51.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 51.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 4

Iterasi 23/30 - Best Fitness: 50.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 50.5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 50.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 15

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 42, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 46.0

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 4

Iterasi 27/30 - Best Fitness: 46.0

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 46.0

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 46.0

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 2

Total conflicts: 50, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 46.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 11

Optimasi Selesai!

Best Fitness: 46.0

Detail Konflik: {'conflict\_temp\_ids': {1, 2, 131, 132, 4, 134, 135, 8, 9, 10, 11, 141, 13, 145, 19, 148, 22, 26, 30, 158, 32, 161, 163, 36, 165, 166, 39, 42, 50, 53, 57, 63, 64, 77, 80, 82, 91, 99, 102, 108, 115, 118}, 'room\_consistency\_conflicts': [{'temp\_id': 115, 'ruangan': ['4.1.5.55', '4.1.5.62'], 'slot\_ids': [674, 675, 905]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [31, 536]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [32, 536]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 538]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 1042]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [538, 1042]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 1043]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 1044]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 556]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [52, 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1373]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [869, 1374]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1373, 870]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [870, 1374]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [990, 1494]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [991, 1495]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [991, 1496]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [1495, 992]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [992, 1496]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {9, 42, 18, 115, 150, 93, 30, 127}}

Populasi 10, Eksperimen 3/30 selesai

Total conflicts: 81, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 18

Total conflicts: 109, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 92, Preference conflicts: 20

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 109, Preference conflicts: 19

Total conflicts: 91, Preference conflicts: 18

Populasi awal: [88.5, 107.0, 117.0, 110.0, 102.0, 107.0, 110.5, 108.0, 118.5, 100.0]

Iterasi 1/30 - Best Fitness: 88.5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 3

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 72.5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 15

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 13

Iterasi 3/30 - Best Fitness: 60.5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 2

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Iterasi 4/30 - Best Fitness: 60.5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 14

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 60.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 60.5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 60.0

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 43, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 45.5

Total conflicts: 82, Preference conflicts: 3

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 45.5

Total conflicts: 69, Preference conflicts: 16

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 45.5

Total conflicts: 64, Preference conflicts: 2

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 46, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 15

Total conflicts: 78, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 45.5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 14

Iterasi 12/30 - Best Fitness: 45.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 45.5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 12

Iterasi 14/30 - Best Fitness: 45.5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 45.5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 45.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 45.5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 47, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 45.5

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 13

Iterasi 19/30 - Best Fitness: 45.5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Iterasi 20/30 - Best Fitness: 45.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 45.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 45.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 42, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 45.0

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 45.0

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 45.0

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 13

Iterasi 26/30 - Best Fitness: 45.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 45.0

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 45.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Iterasi 29/30 - Best Fitness: 45.0

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 45.0

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 5

Optimasi Selesai!

Best Fitness: 45.0

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{98, 39, 138, 45, 148, 126}}

Populasi 10, Eksperimen 4/30 selesai

Total conflicts: 107, Preference conflicts: 14

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 15

Total conflicts: 90, Preference conflicts: 13

Total conflicts: 105, Preference conflicts: 16

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 94, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 14

Populasi awal: [114.0, 100.5, 112.5, 96.5, 113.0, 88.0, 105.5, 107.5, 101.0, 104.0]

Iterasi 1/30 - Best Fitness: 88.0

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 74.0

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 94, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 15

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 65.5

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 59.0

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 5

Iterasi 5/30 - Best Fitness: 59.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 59.0

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 59.0

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Iterasi 8/30 - Best Fitness: 59.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 59.0

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 59.0

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 59.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 14

Iterasi 12/30 - Best Fitness: 59.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 59.0

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 16

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 59.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 16

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Iterasi 15/30 - Best Fitness: 58.0

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 87, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 57.5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 57.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 12

Iterasi 18/30 - Best Fitness: 57.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Iterasi 19/30 - Best Fitness: 56.5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 56.5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 56.5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 55.0

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Iterasi 23/30 - Best Fitness: 54.5

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Iterasi 24/30 - Best Fitness: 54.5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 49, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 52.0

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 52.0

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 52.0

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 2

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 48.0

Detail Konflik: {'conflict\_temp\_ids': {1, 134, 6, 10, 11, 140, 141, 13, 15, 144, 149, 22, 23, 152, 25, 24, 155, 34, 162, 164, 36, 47, 53, 57, 60, 62, 63, 64, 66, 71, 76, 77, 90, 93, 98, 101, 105, 108, 110, 111, 115, 116, 118, 119, 126, 127}, 'room\_consistency\_conflicts': [{'temp\_id': 126, 'ruangan': ['4.1.5.55', '4.1.5.59'], 'slot\_ids': [512, 513, 870]}, {'temp\_id': 115, 'ruangan': ['4.1.5.57', '4.1.5.61'], 'slot\_ids': [775, 776, 896]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [511, 512]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 527]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 528]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [527, 24]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [24, 528]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [55, 560]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [75, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [76, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [581, 1086]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [582, 1086]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [86, 590]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [86, 591]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [86, 1095]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [590, 87]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [590, 1095]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [87, 591]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [87, 1095]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [87, 592]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [87, 1096]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [591, 1095]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [591, 88]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [591, 1096]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [1095, 88]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [1095, 592]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [88, 592]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [88, 1096]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [592, 1096]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [101, 1109]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [101, 1110]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [1109, 102]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [102, 1110]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 1111]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1118, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 1120]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1119, 616]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [616, 1120]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [617, 114]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [686, 183]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [687, 184]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [213, 717]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [214, 718]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [222, 726]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [223, 727]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [223, 1231]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [223, 728]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [223, 1232]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [727, 1231]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [727, 224]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [727, 1232]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [1231, 224]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [1231, 728]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [224, 728]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [224, 1232]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [728, 1232]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [758, 1262]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [758, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1262, 759]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [759, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [759, 1264]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1263, 760]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [760, 1264]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [761, 1266]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [762, 1266]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [763, 1267]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [763, 1268]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 1300]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [292, 1300]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [818, 315]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 819]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 1324]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [819, 316]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [316, 1324]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [317, 1325]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [317, 1326]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [359, 863]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [359, 864]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [863, 360]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [360, 864]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [406, 910]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1441, 938]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [938, 1442]}, {'ruang': 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Populasi 10, Eksperimen 5/30 selesai

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 21

Total conflicts: 104, Preference conflicts: 19

Total conflicts: 110, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 13

Total conflicts: 97, Preference conflicts: 19

Total conflicts: 96, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 16

Populasi awal: [109.0, 113.5, 106.0, 115.5, 113.5, 118.5, 112.5, 106.5, 105.0, 102.0]

Iterasi 1/30 - Best Fitness: 102.0

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 90, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 4

Iterasi 2/30 - Best Fitness: 74.0

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 13

Iterasi 3/30 - Best Fitness: 69.0

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 60.5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 5/30 - Best Fitness: 60.5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 57.0

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 3

Iterasi 7/30 - Best Fitness: 57.0

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 57.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 57.0

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Iterasi 10/30 - Best Fitness: 57.0

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 57.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 57.0

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 4

Iterasi 13/30 - Best Fitness: 57.0

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Iterasi 14/30 - Best Fitness: 57.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 57.0

Total conflicts: 49, Preference conflicts: 14

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 52.0

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 41, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 43.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 40, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 43.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 38, Preference conflicts: 4

Iterasi 19/30 - Best Fitness: 40.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 40.0

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 40.0

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 40.0

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 40.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 10

Iterasi 24/30 - Best Fitness: 40.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Iterasi 25/30 - Best Fitness: 40.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 40.0

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 40.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 40.0

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 40.0

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 32, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 43, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Iterasi 30/30 - Best Fitness: 34.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 12

Optimasi Selesai!

Best Fitness: 34.5

Detail Konflik: {'conflict\_temp\_ids': {128, 2, 4, 133, 135, 11, 140, 139, 14, 16, 145, 20, 149, 23, 24, 154, 157, 30, 158, 37, 41, 45, 47, 52, 65, 68, 73, 79, 94, 101, 106, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [32, 536]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [33, 537]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 538]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [554, 51]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 555]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 556]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 1060]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 52]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [52, 556]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [52, 1060]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 1061]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 1062]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [602, 99]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [603, 100]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1155, 652]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [652, 1156]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [201, 705]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [201, 1209]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [705, 1209]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [706, 1210]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [707, 1211]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1219, 212]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [212, 1220]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [213, 717]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [214, 718]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [734, 231]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 736]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [735, 232]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [232, 736]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [268, 1276]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [269, 1277]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [269, 1278]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1277, 270]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [270, 1278]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [391, 895]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [391, 896]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [895, 392]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [392, 896]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [962, 459]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [459, 963]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [459, 964]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [963, 460]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [460, 964]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1503, 496]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [625, 1130]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [626, 1130]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [626, 1131]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [1130, 627]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [627, 1131]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [627, 628]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [627, 1132]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [1131, 628]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [628, 1132]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [638, 1142]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [638, 1143]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [1142, 639]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [639, 1143]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [639, 1144]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [1143, 640]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [640, 1144]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [813, 1317]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {9, 14, 148, 20, 151}}

Populasi 10, Eksperimen 6/30 selesai

Total conflicts: 111, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 13

Total conflicts: 98, Preference conflicts: 23

Total conflicts: 98, Preference conflicts: 12

Total conflicts: 110, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 13

Total conflicts: 107, Preference conflicts: 18

Total conflicts: 110, Preference conflicts: 22

Total conflicts: 107, Preference conflicts: 13

Populasi awal: [119.0, 106.5, 109.5, 104.0, 119.0, 108.0, 103.5, 116.0, 121.0, 113.5]

Iterasi 1/30 - Best Fitness: 103.5

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 16

Iterasi 2/30 - Best Fitness: 69.5

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 90, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 68.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 65.0

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 62.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Iterasi 6/30 - Best Fitness: 60.5

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 59.5

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 59.5

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 1

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 59.5

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 15

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 59.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 59.5

Total conflicts: 59, Preference conflicts: 14

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 59.5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 12

Iterasi 13/30 - Best Fitness: 52.5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 52.5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 52.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 2

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 52.5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 45, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 46.5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 5

Iterasi 18/30 - Best Fitness: 46.5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 15

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Iterasi 20/30 - Best Fitness: 46.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 46.5

Total conflicts: 54, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 41, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 43.0

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 42, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 43.0

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 44, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 43.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 43.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Iterasi 27/30 - Best Fitness: 43.0

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 42, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 43.0

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 43.0

Detail Konflik: {'conflict\_temp\_ids': {129, 5, 133, 7, 138, 11, 14, 16, 18, 19, 150, 22, 151, 153, 154, 24, 157, 32, 161, 34, 36, 37, 166, 39, 45, 49, 52, 53, 60, 63, 69, 71, 76, 78, 79, 87, 92, 102, 110, 117, 119}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [29, 534]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [30, 534]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [31, 535]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [31, 536]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 539]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 540]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [539, 36]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [36, 540]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 1049]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1049, 42]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 547]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 548]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1083, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 581]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 582]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 1086]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [581, 78]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [581, 1086]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [78, 582]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [78, 1086]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [582, 1086]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 1087]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 80]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1087, 80]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [80, 1088]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [149, 653]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [653, 150]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 655]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 656]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [214, 718]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [215, 719]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [215, 720]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [221, 725]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [221, 726]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [223, 727]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [727, 224]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 764]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [260, 764]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [765, 1269]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [262, 1270]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [766, 1270]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [263, 1271]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1271, 264]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [273, 777]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [273, 1281]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [274, 778]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [274, 1282]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [307, 1316]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [308, 1316]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [309, 1317]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [334, 838]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [335, 839]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [335, 840]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [839, 336]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [336, 840]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [382, 886]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [383, 887]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [383, 888]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [887, 384]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [384, 888]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [951, 448]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [448, 952]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 988]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 1024]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [520, 1024]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [890, 1395]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [891, 1395]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [891, 1396]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {10, 68, 157, 94}}

Populasi 10, Eksperimen 7/30 selesai

Total conflicts: 99, Preference conflicts: 14

Total conflicts: 109, Preference conflicts: 12

Total conflicts: 99, Preference conflicts: 11

Total conflicts: 90, Preference conflicts: 19

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 96, Preference conflicts: 12

Total conflicts: 105, Preference conflicts: 19

Total conflicts: 96, Preference conflicts: 10

Populasi awal: [106.0, 115.0, 104.5, 99.5, 106.5, 114.5, 108.0, 102.0, 114.5, 101.0]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 73.0

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 6

Iterasi 3/30 - Best Fitness: 73.0

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 14

Iterasi 4/30 - Best Fitness: 69.5

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Iterasi 5/30 - Best Fitness: 69.5

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 69.5

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 64.5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 64.5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 57.5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 15

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 12

Iterasi 10/30 - Best Fitness: 57.5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 54.0

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Iterasi 12/30 - Best Fitness: 48.5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 48.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 48.5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 48.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 48.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 48.5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 48.5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 48.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 48.5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 48.5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 3

Iterasi 22/30 - Best Fitness: 46.5

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 46.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 46.5

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 13

Iterasi 26/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 15

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 47, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 46.5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 46.5

Detail Konflik: {'conflict\_temp\_ids': {4, 132, 5, 133, 135, 10, 139, 140, 141, 144, 19, 149, 150, 23, 26, 27, 156, 37, 166, 39, 45, 51, 59, 60, 66, 69, 70, 73, 77, 79, 80, 89, 93, 94, 99, 101, 102, 112, 115, 117, 118, 119, 122, 124, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [511, 8]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [8, 512]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [9, 513]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 517]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [517, 14]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 519]}, 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{'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 770]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 771]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [770, 267]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [267, 771]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [267, 772]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [771, 268]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [268, 772]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [1311, 304]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [1311, 808]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [304, 808]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [304, 1312]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [808, 1312]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [305, 809]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [305, 1313]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [305, 810]}, {'ruang': 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[530, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1034, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [531, 1035]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {16, 22, 23}}

Populasi 10, Eksperimen 8/30 selesai

Total conflicts: 90, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 12

Total conflicts: 89, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 13

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 11

Total conflicts: 95, Preference conflicts: 13

Populasi awal: [99.5, 109.0, 98.0, 108.0, 108.0, 107.5, 114.0, 102.5, 109.5, 101.5]

Iterasi 1/30 - Best Fitness: 98.0

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 75.5

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 72.5

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 55.0

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 55.0

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 55.0

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 55.0

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 55.0

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 12

Iterasi 9/30 - Best Fitness: 55.0

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 52.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 2

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 52.0

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 15

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 52.0

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 52.0

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 77, Preference conflicts: 4

Iterasi 16/30 - Best Fitness: 52.0

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 52.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 52.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 52.0

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 52.0

Total conflicts: 45, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 3

Iterasi 23/30 - Best Fitness: 46.5

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 46.5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Iterasi 25/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 46.5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 46.5

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 3

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 14

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 46.5

Total conflicts: 41, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 46.5

Detail Konflik: {'conflict\_temp\_ids': {2, 5, 6, 135, 134, 133, 138, 10, 13, 141, 15, 19, 148, 22, 151, 152, 24, 154, 153, 157, 158, 159, 31, 33, 163, 164, 165, 166, 41, 52, 55, 59, 62, 65, 67, 76, 80, 90, 91, 100, 102, 105, 111, 112, 117}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [17, 522]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [18, 522]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 523]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 524]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [567, 568]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 571]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 572]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [571, 68]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [68, 572]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [69, 573]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [138, 642]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [139, 643]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [139, 644]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [643, 140]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [140, 644]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [655, 152]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [181, 686]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 686]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [686, 183]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 688]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [698, 1203]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [699, 1203]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [699, 1204]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [201, 705]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [229, 733]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [229, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [733, 230]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [734, 231]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [739, 1243]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [739, 1244]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1243, 740]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [740, 1244]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [237, 741]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [241, 746]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [242, 746]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 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1290]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [1289, 282]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [282, 1290]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [327, 832]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [865, 362]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [362, 866]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [362, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [866, 363]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [363, 867]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [379, 884]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [937, 1442]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [938, 1442]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [938, 1443]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1442, 939]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [939, 1443]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [939, 1444]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [970, 1474]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [971, 1475]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [971, 1476]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1475, 972]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [972, 1476]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [999, 496]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [497, 1002]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [498, 1002]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [898, 1402]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [899, 1403]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [899, 1404]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1403, 900]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [900, 1404]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {144, 134, 47}}

Populasi 10, Eksperimen 9/30 selesai

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 11

Total conflicts: 106, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 19

Total conflicts: 111, Preference conflicts: 11

Total conflicts: 91, Preference conflicts: 17

Total conflicts: 93, Preference conflicts: 14

Total conflicts: 107, Preference conflicts: 15

Populasi awal: [109.0, 109.0, 102.5, 114.5, 104.5, 105.5, 116.5, 99.5, 100.0, 114.5]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 15

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 74.0

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 69.0

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 69.0

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 16

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 65.0

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 60.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 58.0

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 58.0

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 58.0

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 15

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Iterasi 10/30 - Best Fitness: 58.0

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 56.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 56.0

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 5

Iterasi 13/30 - Best Fitness: 56.0

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 56.0

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 56.0

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 56.0

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 52.0

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 52.0

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 4

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 51.0

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 51.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 51.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 51.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 13

Iterasi 27/30 - Best Fitness: 51.0

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 51.0

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Iterasi 29/30 - Best Fitness: 51.0

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 43, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 46.5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 46.5

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 131, 7, 8, 139, 11, 140, 145, 148, 22, 23, 152, 153, 26, 155, 27, 157, 158, 31, 34, 162, 36, 165, 166, 37, 39, 53, 54, 56, 59, 65, 66, 70, 78, 95, 98, 100, 105, 110, 117, 118, 124}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [4, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 509]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 510]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 532]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [49, 1057]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [49, 1058]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [1057, 50]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [50, 1058]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [50, 1059]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [1058, 51]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 1059]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [82, 586]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 587]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 588]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [587, 84]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [84, 588]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [121, 625]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [121, 626]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [625, 122]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [122, 626]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [122, 627]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [626, 123]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [123, 627]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [141, 645]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [1169, 666]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [666, 1170]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [170, 674]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [170, 675]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [674, 171]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [171, 675]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [171, 676]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [675, 172]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [172, 676]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [190, 694]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [191, 695]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [191, 696]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [695, 192]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [192, 696]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [247, 1256]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [248, 1256]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [249, 1257]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [250, 1258]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [260, 764]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [261, 765]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [765, 1269]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [262, 766]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [766, 1270]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [269, 773]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [269, 774]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [773, 270]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [270, 774]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [271, 775]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [271, 776]}, {'ruang': 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Populasi 10, Eksperimen 10/30 selesai

Total conflicts: 96, Preference conflicts: 12

Total conflicts: 104, Preference conflicts: 17

Total conflicts: 111, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 14

Total conflicts: 103, Preference conflicts: 22

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 93, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 17

Total conflicts: 108, Preference conflicts: 16

Populasi awal: [102.0, 112.5, 118.0, 109.0, 103.0, 114.0, 105.0, 100.0, 105.5, 116.0]

Iterasi 1/30 - Best Fitness: 100.0

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 72.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 5

Iterasi 4/30 - Best Fitness: 66.5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 66.5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 66.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 63.5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 58.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 53.0

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 53.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 53.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 2

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 2

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 53.0

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 53.0

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 53.0

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Iterasi 15/30 - Best Fitness: 53.0

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 53.0

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 53.0

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 5

Iterasi 18/30 - Best Fitness: 47.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 47.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 47.5

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 4

Iterasi 21/30 - Best Fitness: 47.5

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 2

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 47.5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 47.5

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 47.5

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Iterasi 25/30 - Best Fitness: 47.5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 2

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Iterasi 26/30 - Best Fitness: 47.5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 43, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 46.5

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 49, Preference conflicts: 2

Total conflicts: 53, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 40, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 43.5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 43.5

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 2, 131, 132, 134, 7, 135, 10, 139, 140, 148, 22, 23, 154, 27, 157, 158, 34, 162, 164, 37, 45, 47, 51, 53, 63, 68, 70, 71, 73, 88, 94, 99, 109, 110, 115, 117, 118, 122}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [47, 551]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [551, 48]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [557, 54]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [54, 558]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [55, 559]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [559, 56]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [591, 88]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [1095, 88]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [89, 90]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 1100]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [92, 1100]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [185, 689]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [185, 690]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [689, 186]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [186, 690]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [699, 1204]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [700, 1204]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [701, 1205]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [701, 1206]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [207, 208]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [245, 749]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [245, 750]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [749, 246]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [246, 750]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [247, 751]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [250, 754]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [251, 755]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [251, 756]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [755, 252]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [252, 756]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1261, 254]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [254, 1262]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [254, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1262, 255]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [255, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1263, 256]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [821, 318]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [318, 822]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [319, 823]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [823, 320]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [843, 844]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [412, 1420]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [413, 1421]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [413, 1422]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [1421, 414]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [414, 1422]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [933, 1437]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [472, 1480]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [473, 1481]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [473, 1482]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [475, 979]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [475, 980]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [979, 476]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [476, 980]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [477, 981]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [487, 1495]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [487, 1496]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [991, 1495]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [991, 1496]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [1495, 488]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [1495, 992]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [488, 1496]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [992, 1496]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [489, 1497]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [993, 1497]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [501, 1005]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [1459, 956]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {33, 134, 140, 16, 82, 151, 157}}

Populasi 10, Eksperimen 11/30 selesai

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 19

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 111, Preference conflicts: 19

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 20

Total conflicts: 85, Preference conflicts: 15

Total conflicts: 110, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 19

Total conflicts: 96, Preference conflicts: 23

Populasi awal: [108.0, 113.5, 104.0, 120.5, 107.0, 114.0, 92.5, 117.0, 110.5, 107.5]

Iterasi 1/30 - Best Fitness: 92.5

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 4

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 78.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 90, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 75.0

Total conflicts: 82, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 67.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 63.0

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 5

Iterasi 6/30 - Best Fitness: 63.0

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 13

Iterasi 7/30 - Best Fitness: 59.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 4

Iterasi 8/30 - Best Fitness: 51.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 51.5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 51.5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 51.5

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 2

Total conflicts: 64, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 51.5

Total conflicts: 74, Preference conflicts: 15

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 51.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 51.5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Iterasi 16/30 - Best Fitness: 51.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 11

Iterasi 17/30 - Best Fitness: 51.5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 51.5

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 44, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 47.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 47.0

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 47.0

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 14

Iterasi 22/30 - Best Fitness: 47.0

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 38, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 2

Iterasi 23/30 - Best Fitness: 40.0

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 36, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 63, Preference conflicts: 12

Iterasi 24/30 - Best Fitness: 39.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 39.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 39.0

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 41, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Iterasi 27/30 - Best Fitness: 39.0

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 39.0

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 39.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 39.0

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 39.0

Detail Konflik: {'conflict\_temp\_ids': {2, 132, 135, 9, 139, 16, 145, 19, 149, 150, 23, 24, 154, 156, 31, 34, 162, 45, 51, 54, 68, 75, 79, 82, 91, 92, 94, 99, 100, 101, 106, 110, 111, 117, 119, 122}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [521, 18]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [18, 522]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 523]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 20]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 532]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [531, 28]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [28, 532]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [29, 533]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [583, 1087]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [583, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1087, 584]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [584, 1088]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [97, 1105]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [97, 1106]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [1105, 98]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 1106]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 1107]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [1106, 99]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [1106, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 1107]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 604]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [603, 1107]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [1107, 604]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [105, 609]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [105, 1113]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [609, 1113]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [106, 610]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [106, 1114]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [610, 1114]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [107, 611]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [619, 1124]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [620, 1124]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [621, 1125]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [118, 1126]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [655, 1159]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [655, 1160]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [185, 1194]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 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Populasi 10, Eksperimen 12/30 selesai

Total conflicts: 107, Preference conflicts: 15

Total conflicts: 116, Preference conflicts: 12

Total conflicts: 103, Preference conflicts: 21

Total conflicts: 91, Preference conflicts: 22

Total conflicts: 102, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 18

Total conflicts: 95, Preference conflicts: 17

Total conflicts: 102, Preference conflicts: 16

Total conflicts: 93, Preference conflicts: 20

Populasi awal: [114.5, 122.0, 113.5, 102.0, 110.0, 108.5, 104.0, 103.5, 110.0, 103.0]

Iterasi 1/30 - Best Fitness: 102.0

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 91, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 69.5

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 69.5

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Iterasi 4/30 - Best Fitness: 54.5

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 54.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 11

Iterasi 6/30 - Best Fitness: 54.5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 53.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 53.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Iterasi 9/30 - Best Fitness: 53.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 53.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 53.0

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 46, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 48.5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 11

Iterasi 13/30 - Best Fitness: 48.5

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 48.5

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 5

Iterasi 15/30 - Best Fitness: 48.5

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 48.5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 48.5

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 15

Iterasi 18/30 - Best Fitness: 48.5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 3

Iterasi 19/30 - Best Fitness: 48.5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 48.5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 48.5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 13

Iterasi 22/30 - Best Fitness: 48.5

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 15

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 48.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 48.5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 48.5

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 48.5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 48.5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 48.5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 10

Iterasi 29/30 - Best Fitness: 48.5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 48.5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 11

Optimasi Selesai!

Best Fitness: 48.5

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 1, 131, 5, 134, 135, 8, 9, 7, 141, 144, 16, 18, 19, 152, 153, 25, 27, 157, 158, 159, 31, 33, 42, 45, 51, 54, 62, 63, 68, 69, 70, 73, 76, 82, 87, 92, 98, 99, 102, 106, 108, 111, 119, 124}, 'room\_consistency\_conflicts': [{'temp\_id': 92, 'ruangan': ['4.1.5.57', '4.1.5.59'], 'slot\_ids': [362, 434, 435]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 532]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [531, 28]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [28, 532]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [533, 534]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [534, 1038]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [535, 1039]}, {'ruang': '4.1.5.59', 'hari': 'senin', 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Populasi 10, Eksperimen 13/30 selesai

Total conflicts: 86, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 19

Total conflicts: 98, Preference conflicts: 10

Total conflicts: 94, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 14

Total conflicts: 99, Preference conflicts: 13

Populasi awal: [93.5, 107.5, 103.0, 102.0, 112.5, 109.0, 101.0, 108.5, 113.0, 105.5]

Iterasi 1/30 - Best Fitness: 93.5

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 94, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 64.0

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 5

Iterasi 3/30 - Best Fitness: 64.0

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 63.5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 92, Preference conflicts: 13

Iterasi 6/30 - Best Fitness: 63.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 62.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 13

Iterasi 8/30 - Best Fitness: 55.0

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 55.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 3

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 12

Iterasi 10/30 - Best Fitness: 52.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 52.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 52.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 52.5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 52.5

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 14

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Iterasi 15/30 - Best Fitness: 52.5

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 52.5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 52.5

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 52.5

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Iterasi 19/30 - Best Fitness: 51.5

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 51.5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 51.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 50.0

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 48.0

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 48.0

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 5

Iterasi 25/30 - Best Fitness: 48.0

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 48.0

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 10

Iterasi 27/30 - Best Fitness: 48.0

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 48.0

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 47.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 47.0

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 47.0

Detail Konflik: {'conflict\_temp\_ids': {129, 2, 132, 5, 6, 135, 133, 139, 140, 13, 141, 16, 19, 148, 21, 149, 24, 25, 155, 157, 158, 45, 52, 54, 55, 56, 59, 60, 65, 66, 67, 68, 69, 70, 91, 92, 94, 102, 109, 111, 116, 118, 119, 126}, 'room\_consistency\_conflicts': [{'temp\_id': 119, 'ruangan': ['4.1.5.55', '4.1.5.59'], 'slot\_ids': [706, 707, 841]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 514]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 515]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 516]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [515, 12]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [12, 516]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 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653]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [149, 654]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [653, 150]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [150, 654]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 655]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [166, 670]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [167, 671]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [167, 672]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [258, 762]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 763]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 764]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [785, 282]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [283, 787]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [283, 788]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [787, 284]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [284, 788]}, {'ruang': 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'sabtu', 'slot\_ids': [447, 951]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [447, 1455]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [951, 1455]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [951, 448]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [1455, 448]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [910, 1414]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1467, 964]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [964, 1468]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [965, 1469]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [965, 1470]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1469, 1470]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [974, 1479]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [975, 1479]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [975, 1480]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [1481, 978]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {32, 161, 66, 102, 149, 54}}

Populasi 10, Eksperimen 14/30 selesai

Total conflicts: 97, Preference conflicts: 20

Total conflicts: 102, Preference conflicts: 19

Total conflicts: 111, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 12

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 19

Total conflicts: 101, Preference conflicts: 13

Populasi awal: [107.0, 111.5, 119.0, 107.0, 110.0, 107.0, 108.0, 100.5, 113.5, 107.5]

Iterasi 1/30 - Best Fitness: 100.5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 71.0

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 62.0

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 2

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 59.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 16

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 59.5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 59.5

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 15

Total conflicts: 63, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 59.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 56.5

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 56.5

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 56.5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 15

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 5

Iterasi 12/30 - Best Fitness: 56.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Iterasi 13/30 - Best Fitness: 56.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 56.5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 55.5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 48.0

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 48.0

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 41, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 46.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 46.5

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 46.5

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 46.5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 46.5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 46.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 46.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 46.5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 46.5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 4

Iterasi 27/30 - Best Fitness: 46.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 12

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 46.5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 46.5

Detail Konflik: {'conflict\_temp\_ids': {1, 132, 6, 135, 8, 9, 144, 145, 19, 20, 150, 22, 152, 153, 26, 25, 34, 163, 36, 37, 51, 52, 56, 57, 58, 59, 63, 67, 69, 70, 76, 77, 89, 91, 92, 94, 99, 102, 111, 118, 122}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [17, 1026]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [18, 1026]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 523]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 1027]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 1028]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 1027]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 1028]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1027, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [524, 1028]}, {'ruang': 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'slot\_ids': [70, 574]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [574, 1078]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [575, 1079]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [575, 1080]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1079, 576]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [576, 1080]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 604]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 619]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 620]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [125, 630]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [126, 630]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 631]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 632]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': 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Populasi 10, Eksperimen 15/30 selesai

Total conflicts: 106, Preference conflicts: 14

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 21

Total conflicts: 108, Preference conflicts: 18

Total conflicts: 90, Preference conflicts: 19

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 107, Preference conflicts: 18

Total conflicts: 109, Preference conflicts: 22

Total conflicts: 108, Preference conflicts: 24

Populasi awal: [113.0, 104.5, 115.5, 113.5, 117.0, 99.5, 105.0, 116.0, 120.0, 120.0]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 97, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 74.0

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 87, Preference conflicts: 17

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 14

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 14

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 66.0

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 65.5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 64.5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 64.5

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 12

Iterasi 8/30 - Best Fitness: 60.5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 60.5

Total conflicts: 84, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 13

Iterasi 10/30 - Best Fitness: 60.5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 60.5

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 60.5

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 5

Iterasi 13/30 - Best Fitness: 60.5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 60.5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 58.0

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 58.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 58.0

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 53.0

Total conflicts: 83, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 48.5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 48.0

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 11

Iterasi 22/30 - Best Fitness: 48.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 5

Iterasi 23/30 - Best Fitness: 48.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 12

Iterasi 24/30 - Best Fitness: 48.0

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 48.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 48.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 48.0

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 1

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 90, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 48.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 48.0

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 131, 134, 6, 10, 11, 141, 145, 148, 151, 23, 25, 26, 159, 31, 161, 162, 32, 36, 166, 39, 45, 50, 52, 54, 55, 59, 65, 66, 68, 69, 76, 80, 90, 91, 92, 94, 95, 100, 102, 112, 118, 119, 122}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [531, 28]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [29, 534]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [30, 534]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [603, 100]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [100, 604]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [637, 134]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [134, 638]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [134, 639]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [638, 135]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [135, 639]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [639, 136]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [149, 653]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [149, 654]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [653, 150]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [150, 654]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [675, 676]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [677, 174]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [174, 678]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 686]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [686, 183]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 688]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [687, 184]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [184, 688]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [739, 236]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [236, 740]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [238, 742]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [286, 790]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 791]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 792]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [791, 288]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [288, 792]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [1309, 806]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [806, 1310]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [806, 1311]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [1310, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [807, 1311]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [1311, 808]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [821, 318]}, {'ruang': '4.1.5.62', 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474]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [1481, 978]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [474, 978]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [474, 1482]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [978, 1482]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [475, 979]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [475, 1483]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [979, 1483]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1003]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1004]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1003, 500]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [500, 1004]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1023, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [520, 1024]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [901, 1406]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [902, 1406]}, 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Populasi 10, Eksperimen 16/30 selesai

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 21

Total conflicts: 103, Preference conflicts: 18

Total conflicts: 103, Preference conflicts: 21

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 108, Preference conflicts: 18

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 21

Total conflicts: 112, Preference conflicts: 12

Populasi awal: [99.5, 109.0, 106.5, 112.0, 113.5, 105.0, 117.0, 104.5, 110.5, 118.0]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 2

Total conflicts: 87, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 74.5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 93, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 12

Iterasi 3/30 - Best Fitness: 74.5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 61.5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 16

Total conflicts: 80, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 61.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 61.5

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 61.5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 61.5

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 58.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 58.5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 54.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

Iterasi 13/30 - Best Fitness: 51.0

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 51.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 51.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 51.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 51.0

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 13

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 51.0

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 51.0

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 51.0

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 51.0

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 51.0

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 47, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 51.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 51.0

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 51.0

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 51.0

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 132, 5, 4, 135, 136, 8, 10, 13, 21, 150, 22, 154, 27, 159, 33, 34, 162, 36, 37, 165, 42, 171, 47, 50, 51, 53, 54, 55, 56, 57, 60, 62, 70, 76, 79, 80, 82, 88, 90, 91, 100, 102, 108, 111, 122, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [547, 44]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [44, 548]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [45, 549]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [46, 550]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [49, 553]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [49, 554]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [553, 50]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [50, 554]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [50, 555]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [554, 51]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 555]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [90, 594]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 595]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 596]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [595, 92]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [92, 596]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [106, 1114]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [107, 1115]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [1115, 108]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [135, 640]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 655]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 656]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [165, 669]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [203, 707]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [203, 708]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [707, 204]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [204, 708]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [711, 208]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [208, 712]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [209, 713]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [713, 210]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [258, 762]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 763]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 764]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [274, 778]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [275, 779]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [275, 780]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [779, 276]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [276, 780]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [286, 790]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 791]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 792]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [791, 288]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [288, 792]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [879, 1384]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [880, 1384]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [1385, 882]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [882, 1386]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [439, 1448]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [440, 1448]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [441, 1449]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [442, 1450]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [463, 464]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [465, 1473]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [466, 970]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [466, 1474]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [1481, 474]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [474, 1482]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [475, 1483]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [1483, 476]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [991, 992]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [490, 994]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [514, 1018]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [515, 1019]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [515, 1020]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1022, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 1023]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1023, 520]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [723, 724]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [873, 1377]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [874, 1378]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [875, 1379]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {162, 134, 15, 50, 148, 57}}

Populasi 10, Eksperimen 17/30 selesai

Total conflicts: 91, Preference conflicts: 19

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 98, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 92, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 19

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 88, Preference conflicts: 20

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 17

Populasi awal: [100.5, 109.0, 105.0, 105.0, 100.5, 108.5, 103.0, 98.0, 107.5, 107.5]

Iterasi 1/30 - Best Fitness: 98.0

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 70.5

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 15

Total conflicts: 69, Preference conflicts: 6

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 70.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 15

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 68.5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 12

Iterasi 6/30 - Best Fitness: 68.5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 92, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 65.0

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 52.0

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 52.0

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 52.0

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 90, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 52.0

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 52.0

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 52.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 52.0

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 52.0

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 52.0

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 52.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 52.0

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 52.0

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 52.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 52.0

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Iterasi 27/30 - Best Fitness: 52.0

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 43, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 46.0

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 3

Total conflicts: 32, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 34.5

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 34.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 34.5

Detail Konflik: {'conflict\_temp\_ids': {2, 131, 134, 10, 11, 140, 15, 145, 20, 24, 154, 27, 30, 161, 165, 166, 41, 42, 45, 47, 57, 58, 63, 64, 65, 69, 79, 92, 95, 117, 122, 126}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1009, 2]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1009, 506]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 506]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 1010]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 1010]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 3]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1010, 3]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1010, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 4]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1011, 4]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1011, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [4, 508]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 1036]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [531, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [531, 1036]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1035, 532]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [532, 1036]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [533, 1037]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [533, 534]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1037, 534]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [535, 32]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [32, 536]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 538]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [89, 593]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [89, 594]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [593, 90]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [90, 594]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 595]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [158, 1167]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [1167, 160]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [160, 1168]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [161, 1169]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [1169, 162]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 703]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 704]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [211, 716]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [212, 716]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [213, 717]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [723, 220]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [220, 724]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [281, 1289]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [1289, 282]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [283, 788]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [789, 1293]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [286, 790]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [286, 1294]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [790, 1294]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 1295]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [1295, 288]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1327, 824]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [824, 1328]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [493, 997]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [493, 998]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [997, 494]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [494, 998]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [494, 999]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [998, 495]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [495, 999]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [495, 496]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [999, 496]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [883, 884]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {33, 108, 140, 62, 158}}

Populasi 10, Eksperimen 18/30 selesai

Total conflicts: 100, Preference conflicts: 10

Total conflicts: 108, Preference conflicts: 12

Total conflicts: 97, Preference conflicts: 12

Total conflicts: 107, Preference conflicts: 13

Total conflicts: 110, Preference conflicts: 16

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 22

Total conflicts: 100, Preference conflicts: 13

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 103, Preference conflicts: 16

Populasi awal: [105.0, 114.0, 103.0, 113.5, 118.0, 106.5, 117.0, 106.5, 107.0, 111.0]

Iterasi 1/30 - Best Fitness: 103.0

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 91, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 81.5

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 74.0

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 60.5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 16

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 60.5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 60.5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 60.5

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 14

Iterasi 8/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 51.5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 51.5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 51.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 1

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 51.5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 15

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 51.5

Total conflicts: 85, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 51.5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Iterasi 15/30 - Best Fitness: 51.5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Iterasi 16/30 - Best Fitness: 51.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 51.5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 2

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 51.5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 13

Iterasi 19/30 - Best Fitness: 49.0

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 39, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 42.5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 44, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 42.5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 42.5

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 42.5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 5

Iterasi 24/30 - Best Fitness: 42.5

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 12

Iterasi 25/30 - Best Fitness: 42.5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 42.5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 42, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 42.5

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 42.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 42.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 4

Iterasi 30/30 - Best Fitness: 42.5

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 15

Optimasi Selesai!

Best Fitness: 42.5

Detail Konflik: {'conflict\_temp\_ids': {128, 131, 4, 5, 134, 8, 9, 138, 140, 13, 141, 144, 150, 23, 151, 154, 26, 31, 32, 165, 166, 42, 171, 52, 57, 60, 63, 65, 77, 79, 90, 93, 99, 100, 106, 109, 110, 111, 124}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 538]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 539]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 540]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [117, 621]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [197, 701]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [197, 702]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [701, 198]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [198, 702]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [209, 713]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [209, 714]}, {'ruang': '4.1.5.60', 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Populasi 10, Eksperimen 19/30 selesai

Total conflicts: 95, Preference conflicts: 19

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 12

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 12

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 19

Total conflicts: 92, Preference conflicts: 20

Total conflicts: 104, Preference conflicts: 17

Total conflicts: 102, Preference conflicts: 10

Populasi awal: [104.5, 100.5, 103.0, 114.0, 104.0, 105.0, 114.5, 102.0, 112.5, 107.0]

Iterasi 1/30 - Best Fitness: 100.5

Total conflicts: 88, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 93, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 75.5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 75.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 66.0

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 66.0

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 66.0

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 66.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 66.0

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 66.0

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 59.5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 55.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 53.5

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 39, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 2

Iterasi 13/30 - Best Fitness: 42.0

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 12

Iterasi 14/30 - Best Fitness: 42.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 42.0

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 15

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 42.0

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 42.0

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 42.0

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 12

Iterasi 19/30 - Best Fitness: 42.0

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 4

Iterasi 20/30 - Best Fitness: 42.0

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 42.0

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 42.0

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 42.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 42.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 42.0

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 17

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 42.0

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 42.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 11

Iterasi 28/30 - Best Fitness: 42.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 42.0

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 42.0

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 42.0

Detail Konflik: {'conflict\_temp\_ids': {131, 5, 134, 6, 136, 9, 15, 18, 19, 148, 149, 20, 23, 159, 161, 34, 163, 36, 42, 49, 50, 53, 56, 57, 58, 67, 68, 73, 75, 79, 80, 91, 92, 94, 105, 106, 110, 126, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [567, 64]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1071, 64]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [64, 568]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [64, 1072]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [65, 569]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [569, 66]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [569, 570]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [73, 1081]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [73, 1082]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1081, 74]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [74, 1082]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [74, 1083]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1082, 75]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [75, 1083]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [78, 582]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 583]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 80]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 584]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 128]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [128, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [129, 1137]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [687, 688]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [689, 186]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [186, 690]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [701, 1205]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [701, 1206]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [1205, 702]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [702, 1206]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [703, 1207]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [1207, 704]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [202, 706]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [203, 707]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [203, 708]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [707, 204]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [204, 708]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [221, 725]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [221, 726]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [725, 222]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [222, 726]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [298, 802]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [317, 318]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [317, 1326]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1325, 318]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1325, 1326]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [406, 910]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [407, 911]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [407, 912]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [911, 408]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [408, 912]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [427, 1435]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [427, 1436]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1435, 428]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [428, 1436]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [429, 1437]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [475, 980]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [476, 980]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [477, 981]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [987, 484]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [987, 1492]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [484, 988]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [484, 1492]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [988, 1492]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [485, 989]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [485, 1493]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [485, 1494]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [989, 1493]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [989, 486]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [989, 1494]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [1493, 486]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [486, 1494]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [590, 1094]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [590, 1095]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [1094, 591]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [591, 1095]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [591, 1096]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [1095, 592]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [592, 1096]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {128, 4, 69, 119, 153, 59}}

Populasi 10, Eksperimen 20/30 selesai

Total conflicts: 92, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 94, Preference conflicts: 23

Total conflicts: 107, Preference conflicts: 19

Total conflicts: 98, Preference conflicts: 13

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 12

Total conflicts: 111, Preference conflicts: 17

Total conflicts: 108, Preference conflicts: 18

Total conflicts: 99, Preference conflicts: 17

Populasi awal: [100.5, 106.5, 105.5, 116.5, 104.5, 108.5, 109.0, 119.5, 117.0, 107.5]

Iterasi 1/30 - Best Fitness: 100.5

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 80.0

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 69.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 13

Iterasi 4/30 - Best Fitness: 62.0

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Iterasi 5/30 - Best Fitness: 58.5

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 57.5

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 57.5

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 4

Iterasi 8/30 - Best Fitness: 57.5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 57.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 57.5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 57.5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 44, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 48.5

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 48.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 41, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Iterasi 14/30 - Best Fitness: 45.0

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 45.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 32, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 36.5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 2

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 13

Iterasi 17/30 - Best Fitness: 36.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 36.5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 36.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 2

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 36.5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Iterasi 21/30 - Best Fitness: 36.5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 36.5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 36.5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 36.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 36.5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 36.5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 36.5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 4

Iterasi 28/30 - Best Fitness: 36.5

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 36.5

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 36.5

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 36.5

Detail Konflik: {'conflict\_temp\_ids': {1, 131, 133, 6, 134, 5, 9, 138, 10, 11, 15, 144, 22, 23, 156, 33, 34, 39, 45, 50, 59, 73, 79, 82, 91, 94, 102, 105, 112, 116, 118, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [530, 27]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [531, 28]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [58, 1066]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [613, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [614, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [614, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1118, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 1120]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [134, 639]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [135, 639]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [135, 640]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [639, 136]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [136, 640]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [137, 641]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [641, 138]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [154, 658]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [155, 659]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [659, 156]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [170, 1178]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [170, 1179]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1178, 171]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [171, 1179]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [171, 1180]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1179, 172]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [172, 1180]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [721, 1225]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [721, 1226]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [1225, 722]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [722, 1226]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [722, 1227]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [1226, 723]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [723, 1227]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [313, 1322]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [314, 1322]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [314, 1323]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1322, 315]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 1323]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 1324]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [319, 1327]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1327, 320]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [825, 1329]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [826, 1330]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [827, 1331]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [375, 1384]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1466, 963]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [963, 1467]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [963, 1468]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1467, 964]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [964, 1468]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [463, 1471]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [463, 1472]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [967, 1471]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [967, 1472]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1471, 464]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1471, 968]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [464, 1472]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [968, 1472]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [465, 1473]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [969, 1473]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [471, 976]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [472, 976]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 1491]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 1491]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 1492]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {67, 164, 9, 171, 21, 149, 119, 58, 27}}

Populasi 10, Eksperimen 21/30 selesai

Total conflicts: 102, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 13

Total conflicts: 97, Preference conflicts: 13

Total conflicts: 98, Preference conflicts: 13

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 11

Total conflicts: 112, Preference conflicts: 14

Total conflicts: 98, Preference conflicts: 9

Populasi awal: [110.0, 112.0, 109.5, 107.5, 103.5, 104.5, 100.5, 111.5, 119.0, 102.5]

Iterasi 1/30 - Best Fitness: 100.5

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 79.5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Iterasi 3/30 - Best Fitness: 78.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 72.0

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 96, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 64.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 64.5

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 56.5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 10

Iterasi 8/30 - Best Fitness: 56.5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Iterasi 9/30 - Best Fitness: 55.5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 55.5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 3

Iterasi 11/30 - Best Fitness: 54.5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 54.5

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 54.5

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 54.5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 54.5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 13

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 54.5

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 54.0

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 54.0

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 54.0

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 2

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Iterasi 20/30 - Best Fitness: 54.0

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 5

Iterasi 21/30 - Best Fitness: 52.5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 90, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 5

Iterasi 23/30 - Best Fitness: 51.0

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 50.0

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 15

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 50.0

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Iterasi 27/30 - Best Fitness: 50.0

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 50.0

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 50.0

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 50.0

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 50.0

Detail Konflik: {'conflict\_temp\_ids': {1, 134, 8, 138, 11, 10, 140, 15, 144, 145, 18, 148, 149, 150, 22, 25, 155, 156, 157, 30, 32, 33, 161, 37, 166, 165, 171, 47, 49, 58, 63, 66, 67, 73, 82, 89, 90, 91, 92, 94, 100, 106, 108, 110, 112, 119, 127}, 'room\_consistency\_conflicts': [{'temp\_id': 90, 'ruangan': ['4.1.5.57', '4.1.5.60'], 'slot\_ids': [878, 879, 937]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [22, 526]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [25, 529]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [25, 530]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [529, 26]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 530]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [530, 27]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 531]}, {'ruang': '4.1.5.60', 'hari': 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597]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [128, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [129, 633]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [129, 1137]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [633, 1137]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [634, 1138]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [159, 1168]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [160, 1168]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [161, 1169]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [161, 1170]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [172, 676]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [173, 677]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [173, 678]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [677, 174]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [174, 678]}, 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'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {69, 141, 110, 115, 53, 151}}

Populasi 10, Eksperimen 22/30 selesai

Total conflicts: 98, Preference conflicts: 19

Total conflicts: 110, Preference conflicts: 22

Total conflicts: 100, Preference conflicts: 20

Total conflicts: 105, Preference conflicts: 11

Total conflicts: 97, Preference conflicts: 12

Total conflicts: 112, Preference conflicts: 18

Total conflicts: 96, Preference conflicts: 19

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 15

Populasi awal: [107.5, 121.0, 110.0, 110.5, 103.0, 121.0, 105.5, 109.0, 106.5, 105.5]

Iterasi 1/30 - Best Fitness: 103.0

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 73.0

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 63.5

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 5

Iterasi 4/30 - Best Fitness: 63.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 12

Iterasi 5/30 - Best Fitness: 63.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 62.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 62.5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 12

Iterasi 8/30 - Best Fitness: 56.0

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 56.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Iterasi 10/30 - Best Fitness: 56.0

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 1

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 56.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Iterasi 12/30 - Best Fitness: 56.0

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 5

Iterasi 13/30 - Best Fitness: 51.5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 3

Iterasi 14/30 - Best Fitness: 51.5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 2

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 51.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 51.5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 51.5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 41, Preference conflicts: 4

Iterasi 18/30 - Best Fitness: 43.0

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 39, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 41.5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 41.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 41.5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 5

Iterasi 22/30 - Best Fitness: 41.5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 41.5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 5

Iterasi 24/30 - Best Fitness: 41.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 41.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 41.5

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 46, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 41.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 36, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 39.0

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 37, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 39.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 38, Preference conflicts: 3

Iterasi 30/30 - Best Fitness: 39.0

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 39.0

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Populasi 10, Eksperimen 23/30 selesai

Total conflicts: 105, Preference conflicts: 13

Total conflicts: 93, Preference conflicts: 21

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 13

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 19

Total conflicts: 98, Preference conflicts: 11

Total conflicts: 104, Preference conflicts: 21

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 12

Populasi awal: [111.5, 103.5, 104.0, 104.5, 109.0, 111.5, 103.5, 114.5, 106.5, 109.0]

Iterasi 1/30 - Best Fitness: 103.5

Total conflicts: 93, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 13

Iterasi 2/30 - Best Fitness: 71.0

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 68.5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 68.5

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 15

Iterasi 5/30 - Best Fitness: 68.5

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 1

Iterasi 6/30 - Best Fitness: 66.0

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 59, Preference conflicts: 13

Iterasi 7/30 - Best Fitness: 57.0

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 15

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 2

Iterasi 8/30 - Best Fitness: 57.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 57.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 57.0

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Iterasi 11/30 - Best Fitness: 57.0

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 15

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 57.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 57.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 57.0

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 53.0

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 50.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 15

Iterasi 17/30 - Best Fitness: 50.0

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 5

Iterasi 18/30 - Best Fitness: 50.0

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 42, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 46.0

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 46.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 46.0

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 46.0

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 46.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 3

Iterasi 24/30 - Best Fitness: 46.0

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 46.0

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 46.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 46.0

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 46.0

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 46.0

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 46.0

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 46.0

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Populasi 10, Eksperimen 24/30 selesai

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 87, Preference conflicts: 21

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 99, Preference conflicts: 13

Total conflicts: 93, Preference conflicts: 22

Total conflicts: 104, Preference conflicts: 13

Populasi awal: [104.0, 97.5, 103.0, 102.0, 109.5, 111.5, 114.0, 105.5, 104.0, 110.5]

Iterasi 1/30 - Best Fitness: 97.5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 79.5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 6

Iterasi 3/30 - Best Fitness: 68.5

Total conflicts: 76, Preference conflicts: 2

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 91, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 68.5

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Iterasi 5/30 - Best Fitness: 66.5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 61.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 15

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 61.0

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 61.0

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 16

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 61.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 58.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 55.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 55.0

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 15

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 55.0

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 55.0

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 15

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 55.0

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 55.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 55.0

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 55.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 2

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 55.0

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 15

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 55.0

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 55.0

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 55.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 55.0

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 50.5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 50.5

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 50.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 50.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Iterasi 28/30 - Best Fitness: 50.5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 50.5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 50.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 15

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 50.5

Detail Konflik: {'conflict\_temp\_ids': {6, 135, 10, 140, 13, 141, 15, 144, 16, 18, 19, 148, 150, 151, 152, 24, 30, 158, 34, 165, 166, 41, 171, 47, 49, 50, 53, 54, 56, 62, 65, 66, 67, 71, 75, 78, 79, 80, 89, 94, 98, 105, 108, 109, 116, 117}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 4]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [4, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 509]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 510]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 6]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [6, 510]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 44]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 602]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [602, 99]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 604]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [603, 100]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [100, 604]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [185, 690]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [186, 690]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [727, 1232]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [730, 1234]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [777, 1281]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [778, 1282]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [779, 1283]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [798, 1302]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [295, 799]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [295, 1303]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [295, 800]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [295, 1304]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [799, 1303]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [799, 296]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [799, 1304]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [1303, 296]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [1303, 800]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [296, 800]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [296, 1304]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [800, 1304]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [307, 811]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [307, 812]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [811, 308]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [308, 812]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [309, 813]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [817, 314]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [314, 818]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [314, 819]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [818, 315]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 819]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [819, 316]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [823, 320]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [322, 826]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [329, 834]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [330, 834]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [331, 835]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [331, 836]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [334, 838]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [335, 839]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [335, 840]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [839, 336]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [336, 840]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [878, 375]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [375, 879]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [879, 376]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [377, 882]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [398, 903]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [399, 903]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [399, 904]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [422, 926]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [422, 1430]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [422, 927]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [422, 1431]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [926, 1430]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [926, 423]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [926, 1431]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1430, 423]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1430, 927]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [423, 927]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [423, 1431]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [423, 928]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [423, 1432]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [927, 1431]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [927, 424]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [927, 1432]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1431, 424]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1431, 928]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [424, 928]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [424, 1432]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [928, 1432]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [427, 932]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [428, 932]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [429, 933]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [429, 1437]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [933, 1437]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [430, 934]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [934, 1438]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [974, 1478]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [974, 1479]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [1478, 975]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [975, 1479]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [975, 1480]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [1479, 976]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [976, 1480]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [535, 1039]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [535, 1040]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [855, 1360]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [856, 1360]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {32, 129, 164, 171, 15, 79, 18, 53, 149}}

Populasi 10, Eksperimen 25/30 selesai

Total conflicts: 84, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 107, Preference conflicts: 18

Total conflicts: 98, Preference conflicts: 14

Total conflicts: 89, Preference conflicts: 20

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 110, Preference conflicts: 19

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 20

Populasi awal: [92.0, 103.5, 106.5, 116.0, 105.0, 99.0, 110.0, 119.5, 104.0, 107.0]

Iterasi 1/30 - Best Fitness: 92.0

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 96, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 90, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 11

Iterasi 2/30 - Best Fitness: 75.5

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 19

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 67.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 64.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Iterasi 5/30 - Best Fitness: 62.0

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 62.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 55.0

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 55.0

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 14

Total conflicts: 62, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 55.0

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 55.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 55.0

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 55.0

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 1

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Iterasi 13/30 - Best Fitness: 54.0

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 54.0

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 48.0

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 48.0

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 48.0

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 47.5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 42, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 46.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 46.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 42, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 45, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 45.5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 43, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 12

Iterasi 22/30 - Best Fitness: 45.5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 11

Iterasi 23/30 - Best Fitness: 45.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 45.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 45.5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 12

Iterasi 26/30 - Best Fitness: 45.5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 45.5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 45.5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 45.5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 2

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 41, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 45.0

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 45.0

Detail Konflik: {'conflict\_temp\_ids': {129, 4, 133, 6, 7, 9, 10, 140, 16, 149, 150, 152, 155, 30, 161, 162, 164, 166, 39, 171, 45, 49, 52, 59, 64, 65, 66, 67, 68, 70, 71, 76, 78, 100, 103, 106, 108, 110, 112, 116, 122}, 'room\_consistency\_conflicts': [{'temp\_id': 106, 'ruangan': ['4.1.5.60', '4.1.5.63'], 'slot\_ids': [661, 878, 879]}, {'temp\_id': 162, 'ruangan': ['4.1.5.60', '4.1.5.63'], 'slot\_ids': [663, 883, 884]}, {'temp\_id': 112, 'ruangan': ['4.1.5.57', '4.1.5.63'], 'slot\_ids': [778, 779, 835]}, {'temp\_id': 103, 'ruangan': ['4.1.5.55', '4.1.5.63'], 'slot\_ids': [1102, 1504, 1505]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [505, 1009]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [505, 1010]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1009, 506]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 1010]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1010, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 1011]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [25, 1033]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [25, 1034]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1033, 26]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 1034]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1034, 27]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 1035]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1117, 110]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1118, 111]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1118, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [111, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [111, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [111, 616]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 112]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1119, 112]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1119, 616]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [112, 616]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [149, 653]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [149, 654]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [653, 150]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [150, 654]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [154, 658]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [155, 659]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [659, 156]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [190, 1198]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [286, 790]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 791]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 792]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [791, 288]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [288, 792]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [346, 1354]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [850, 1354]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [347, 1355]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [851, 1355]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [1355, 852]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [869, 1373]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [869, 1374]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1373, 870]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [870, 1374]}, {'ruang': 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Populasi 10, Eksperimen 26/30 selesai

Total conflicts: 103, Preference conflicts: 13

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 88, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 108, Preference conflicts: 11

Total conflicts: 98, Preference conflicts: 11

Total conflicts: 113, Preference conflicts: 14

Total conflicts: 92, Preference conflicts: 15

Populasi awal: [109.5, 103.0, 104.5, 95.5, 106.5, 99.0, 113.5, 103.5, 120.0, 99.5]

Iterasi 1/30 - Best Fitness: 95.5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 4

Total conflicts: 88, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 2

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 89, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 84, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 74.0

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 2

Total conflicts: 87, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 73.5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 66.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 15

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 66.0

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 15

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 66.0

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 55.5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 55.5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 55.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 55.5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Iterasi 11/30 - Best Fitness: 55.5

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 55.5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 55.5

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 55.0

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 54.5

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 90, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 51.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 48.0

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 48.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 48.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 48.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Iterasi 26/30 - Best Fitness: 48.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 48.0

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 48.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 2

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 48.0

Detail Konflik: {'conflict\_temp\_ids': {1, 129, 132, 134, 135, 6, 9, 11, 140, 13, 16, 148, 149, 22, 152, 154, 156, 161, 162, 36, 165, 39, 42, 49, 53, 56, 65, 66, 67, 70, 73, 75, 78, 87, 88, 90, 91, 93, 95, 101, 106, 109, 112, 119, 122}, 'room\_consistency\_conflicts': [{'temp\_id': 106, 'ruangan': ['4.1.5.62', '4.1.5.63'], 'slot\_ids': [747, 748, 904]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 4]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 523]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 20]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [20, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [21, 525]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [526, 1030]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [527, 1031]}, {'ruang': '4.1.5.57', 'hari': 'senin', 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Populasi 10, Eksperimen 27/30 selesai

Total conflicts: 107, Preference conflicts: 20

Total conflicts: 97, Preference conflicts: 21

Total conflicts: 93, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 14

Total conflicts: 106, Preference conflicts: 13

Total conflicts: 92, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 11

Total conflicts: 107, Preference conflicts: 18

Total conflicts: 109, Preference conflicts: 15

Total conflicts: 94, Preference conflicts: 20

Populasi awal: [117.0, 107.5, 101.5, 105.0, 112.5, 100.5, 100.5, 116.0, 116.5, 104.0]

Iterasi 1/30 - Best Fitness: 100.5

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 71.5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 94, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 13

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Iterasi 3/30 - Best Fitness: 58.5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 58.5

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 93, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 58.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 58.0

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 3

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 4

Iterasi 7/30 - Best Fitness: 55.5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 12

Iterasi 8/30 - Best Fitness: 54.5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 54.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 54.5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 54.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 54.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 54.5

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 53.5

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 52.5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 49.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 2

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 49.0

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 49.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 13

Iterasi 20/30 - Best Fitness: 49.0

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 49.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 2

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 49.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 49.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 49.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Iterasi 25/30 - Best Fitness: 49.0

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 49.0

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 43, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 48.0

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 41, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 43.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 41, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 14

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 43.0

Detail Konflik: {'conflict\_temp\_ids': {129, 1, 6, 7, 9, 140, 14, 18, 19, 20, 23, 24, 154, 26, 157, 158, 159, 163, 36, 165, 166, 39, 45, 50, 51, 53, 55, 57, 58, 59, 62, 66, 70, 82, 91, 92, 94, 101, 109, 111, 117}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [511, 8]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [8, 512]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [9, 513]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 1018]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 1021]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 1022]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1021, 14]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 1022]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 1023]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [550, 1054]}, {'ruang': 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Populasi 10, Eksperimen 28/30 selesai

Total conflicts: 112, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 13

Total conflicts: 102, Preference conflicts: 8

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 14

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 17

Total conflicts: 87, Preference conflicts: 21

Total conflicts: 100, Preference conflicts: 16

Populasi awal: [120.0, 105.5, 105.5, 106.0, 107.5, 107.0, 114.0, 103.5, 97.5, 108.0]

Iterasi 1/30 - Best Fitness: 97.5

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 78.5

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 12

Iterasi 4/30 - Best Fitness: 65.0

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 17

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 90, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 65.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 59.5

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 59.5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 59.5

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 14

Iterasi 9/30 - Best Fitness: 59.5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 59.5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 59.5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 59.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 56.5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 56.5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 56.5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 15

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 56.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 55.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 48.0

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 48.0

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 48.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 2

Total conflicts: 67, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 48.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 48.0

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 41, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 43.5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 43.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 43.5

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 3

Iterasi 27/30 - Best Fitness: 43.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 43.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 14

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 43.5

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 43.5

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 42, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 43.5

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 4, 133, 6, 134, 10, 138, 140, 16, 19, 148, 21, 150, 152, 24, 155, 157, 158, 165, 39, 45, 53, 63, 64, 65, 68, 87, 88, 89, 94, 95, 101, 102, 105, 106, 110, 111, 118, 119, 122}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [{'dosen': 'Murinto, Dr., S.Si., M.Kom.', 'hari': 'selasa', 'slot\_ids': [628, 1168]}], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [591, 1096]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [105, 1113]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [121, 626]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [122, 626]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [122, 627]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [122, 1131]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [626, 123]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [626, 627]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [626, 1131]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [123, 627]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [123, 1131]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [123, 628]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [123, 1132]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [627, 1131]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [627, 1132]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [1131, 628]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [628, 1132]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [139, 643]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [139, 644]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [643, 140]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [140, 644]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [653, 654]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 655]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 656]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [655, 152]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [152, 656]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 703]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 1207]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 704]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 1208]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [703, 1207]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [703, 1208]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [1207, 704]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [704, 1208]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [705, 1209]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1263, 256]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [1289, 282]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [282, 1290]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [283, 1291]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [1291, 284]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [343, 847]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [343, 848]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [847, 344]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [344, 848]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [358, 1366]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [369, 873]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [370, 874]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [418, 922]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [419, 923]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [419, 924]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [447, 448]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [449, 953]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [449, 954]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [953, 450]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [450, 954]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [955, 452]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [465, 969]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [466, 970]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [466, 1474]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [970, 1474]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [971, 1475]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [971, 1476]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1475, 972]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [972, 1476]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [522, 1026]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 1027]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 1028]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1027, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [524, 1028]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1006, 1510]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1007, 1511]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1007, 1512]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1511, 1008]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1008, 1512]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {64, 105, 11, 111, 126}}

Populasi 10, Eksperimen 29/30 selesai

Total conflicts: 103, Preference conflicts: 16

Total conflicts: 103, Preference conflicts: 19

Total conflicts: 109, Preference conflicts: 12

Total conflicts: 99, Preference conflicts: 19

Total conflicts: 91, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 91, Preference conflicts: 13

Total conflicts: 99, Preference conflicts: 17

Populasi awal: [111.0, 112.5, 115.0, 108.5, 99.5, 102.5, 105.5, 104.5, 97.5, 107.5]

Iterasi 1/30 - Best Fitness: 97.5

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 3

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 2

Total conflicts: 100, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 78.0

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 15

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 91, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Iterasi 4/30 - Best Fitness: 70.0

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 66.0

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 62.5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 62.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 62.5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 62.5

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 62.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 16

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 62.5

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Iterasi 12/30 - Best Fitness: 60.5

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 16

Iterasi 13/30 - Best Fitness: 60.5

Total conflicts: 53, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 59.5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 59.5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 59.5

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 56.0

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 56.0

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 2

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 14

Iterasi 19/30 - Best Fitness: 56.0

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 5

Iterasi 20/30 - Best Fitness: 56.0

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 87, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 56.0

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 56.0

Total conflicts: 41, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 44.5

Total conflicts: 34, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 13

Iterasi 24/30 - Best Fitness: 35.5

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 4

Iterasi 25/30 - Best Fitness: 35.5

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 14

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 2

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 35.5

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Iterasi 27/30 - Best Fitness: 35.5

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 35.5

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 11

Iterasi 29/30 - Best Fitness: 35.5

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Iterasi 30/30 - Best Fitness: 35.5

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 35.5

Detail Konflik: {'conflict\_temp\_ids': {129, 132, 7, 8, 141, 16, 19, 20, 150, 23, 26, 27, 155, 157, 32, 36, 166, 41, 49, 51, 54, 63, 64, 66, 77, 80, 93, 99, 102, 105, 109, 112, 115, 126}, 'room\_consistency\_conflicts': [{'temp\_id': 16, 'ruangan': ['4.1.5.62', '4.1.5.59'], 'slot\_ids': [1244, 1372, 1373]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [54, 558]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [55, 559]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [55, 560]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [559, 56]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [56, 560]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 602]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [602, 99]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 604]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [603, 100]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [100, 604]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [121, 626]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [122, 626]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [122, 627]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [626, 123]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [123, 627]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [123, 628]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [134, 639]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [135, 639]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [135, 640]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [641, 138]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [142, 646]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [143, 647]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [143, 648]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [647, 144]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [144, 648]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [195, 700]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [196, 700]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [202, 706]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [203, 707]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [203, 708]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [707, 204]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [204, 708]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1238, 231]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 1239]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1239, 232]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [235, 1244]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [236, 1244]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [277, 782]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [278, 782]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [278, 783]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [814, 1318]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [815, 1319]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [1319, 816]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [347, 851]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [851, 348]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [351, 856]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [867, 1372]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [677, 1182]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [678, 1182]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [679, 1183]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [679, 1184]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [763, 1267]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [763, 1268]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1267, 764]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [764, 1268]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [765, 1269]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [909, 1413]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [910, 1414]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {16, 33, 109}}

Populasi 10, Eksperimen 30/30 selesai

Total conflicts: 106, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 12

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 93, Preference conflicts: 19

Total conflicts: 91, Preference conflicts: 12

Total conflicts: 97, Preference conflicts: 21

Total conflicts: 92, Preference conflicts: 19

Total conflicts: 89, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 21

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 110, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 19

Populasi awal: [114.5, 104.5, 105.5, 109.0, 113.5, 102.5, 97.0, 107.5, 101.5, 96.5, 104.0, 114.5, 107.5, 118.5, 113.5]

Iterasi 1/30 - Best Fitness: 96.5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 93, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 89, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 72.5

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 14

Iterasi 3/30 - Best Fitness: 72.0

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 15

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 71.5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 68.0

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Iterasi 6/30 - Best Fitness: 59.5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 2

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 50.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 50.5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 50.5

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 50.5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 50.5

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 50.5

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 50.5

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 50.5

Total conflicts: 51, Preference conflicts: 2

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 50.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 4

Iterasi 16/30 - Best Fitness: 50.5

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 14

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 50.5

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 50.5

Total conflicts: 43, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 37, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 41.5

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 41.5

Total conflicts: 42, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 43, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 14

Total conflicts: 52, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 41.5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 37, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 41.5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 41.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 41.5

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 45, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 41.5

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 3

Iterasi 26/30 - Best Fitness: 41.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 41.5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 41.5

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 41.5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 41.5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 41.5

Detail Konflik: {'conflict\_temp\_ids': {129, 4, 133, 134, 7, 139, 15, 144, 20, 149, 150, 152, 157, 163, 165, 166, 39, 45, 47, 57, 59, 65, 66, 67, 69, 70, 80, 89, 94, 99, 100, 101, 108, 115, 117, 119, 126}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [22, 526]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 527]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 528]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [527, 24]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [24, 528]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 582]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 631]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 632]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [157, 661]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [157, 662]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [661, 158]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [158, 662]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [158, 663]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [662, 159]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [159, 663]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [665, 162]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [162, 666]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [163, 667]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [667, 164]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1183, 680]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [680, 1184]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [681, 1185]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1213, 206]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 1214]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 1215]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1214, 207]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [207, 1215]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1215, 208]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [746, 243]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [243, 747]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [747, 244]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [245, 749]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [245, 750]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [274, 1282]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [275, 1283]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [275, 1284]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1283, 276]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [276, 1284]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 820]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [316, 820]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [843, 340]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [345, 1353]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [903, 400]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [429, 933]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [430, 934]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1501, 998]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [998, 1502]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [998, 1503]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1502, 999]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [999, 1503]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1503, 1000]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [501, 1509]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [641, 1145]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [641, 1146]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [1145, 642]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [642, 1146]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [643, 1147]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1375, 872]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [872, 1376]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {165, 70, 10, 13, 45, 20, 55, 24, 95}}

Populasi 15, Eksperimen 1/30 selesai

Total conflicts: 107, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 20

Total conflicts: 97, Preference conflicts: 11

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 115, Preference conflicts: 19

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 14

Total conflicts: 96, Preference conflicts: 20

Total conflicts: 102, Preference conflicts: 13

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 89, Preference conflicts: 18

Total conflicts: 90, Preference conflicts: 13

Total conflicts: 99, Preference conflicts: 16

Populasi awal: [114.5, 107.5, 109.0, 102.5, 107.5, 107.5, 124.5, 109.0, 101.0, 106.0, 108.5, 104.5, 98.0, 96.5, 107.0]

Iterasi 1/30 - Best Fitness: 96.5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 92, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 90, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 2

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 12

Iterasi 2/30 - Best Fitness: 70.5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 69.0

Total conflicts: 81, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 65.5

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Iterasi 6/30 - Best Fitness: 60.5

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 55.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 15

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 55.5

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Iterasi 9/30 - Best Fitness: 55.5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 16

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 2

Total conflicts: 69, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 55.5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 52.5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 52.5

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 52.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 52.5

Total conflicts: 64, Preference conflicts: 0

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 52.5

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Iterasi 16/30 - Best Fitness: 52.5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 52.5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 52.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 52.5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 52.5

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 4

Iterasi 21/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 13

Total conflicts: 53, Preference conflicts: 3

Iterasi 22/30 - Best Fitness: 50.0

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 15

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 55, Preference conflicts: 12

Iterasi 23/30 - Best Fitness: 50.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 50.0

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 50.0

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 50.0

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 50.0

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 50.0

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 50.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 5

Optimasi Selesai!

Best Fitness: 50.0

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 131, 133, 136, 9, 138, 140, 13, 14, 15, 16, 18, 148, 149, 23, 25, 154, 155, 26, 157, 31, 159, 161, 163, 42, 171, 45, 49, 55, 57, 62, 65, 67, 70, 77, 79, 90, 93, 99, 105, 106, 111, 112, 116, 117, 119, 126}, 'room\_consistency\_conflicts': [{'temp\_id': 117, 'ruangan': ['4.1.5.61', '4.1.5.60'], 'slot\_ids': [140, 377, 378]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [20, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [21, 525]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 538]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 539]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 547]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [547, 44]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [562, 1066]}, {'ruang': '4.1.5.61', 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'slot\_ids': [262, 766]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [831, 328]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [337, 842]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [338, 842]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [338, 843]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [842, 339]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [339, 843]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [339, 844]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [847, 848]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [867, 364]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [370, 874]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [921, 1425]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [418, 922]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [418, 1426]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [922, 1426]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [419, 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{'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [975, 1480]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [1479, 976]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [976, 1480]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [494, 999]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [495, 999]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [495, 1000]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [502, 1006]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [502, 1510]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1006, 1510]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [503, 1007]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [503, 1511]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [503, 1008]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [503, 1512]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1007, 1511]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1007, 1512]}, {'ruang': 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'preference\_conflict\_temp\_ids': {105, 117, 93, 106}}

Populasi 15, Eksperimen 2/30 selesai

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 107, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 21

Total conflicts: 103, Preference conflicts: 11

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 14

Total conflicts: 103, Preference conflicts: 16

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 112, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 12

Populasi awal: [106.5, 115.5, 101.5, 111.0, 102.5, 111.5, 108.5, 104.5, 100.5, 105.0, 111.0, 107.5, 120.0, 102.0, 108.0]

Iterasi 1/30 - Best Fitness: 100.5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 77.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 72.0

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 68.0

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 65.0

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 65.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 58.5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 58.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 58.5

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 58.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 58.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 58.5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 58.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 4

Iterasi 14/30 - Best Fitness: 57.5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 4

Iterasi 15/30 - Best Fitness: 55.0

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 55.0

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 3

Iterasi 17/30 - Best Fitness: 53.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 1

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 50.5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 43, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 49.0

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 48.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 11

Iterasi 21/30 - Best Fitness: 48.5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 47.5

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 47.5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 15

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 47.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 47.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 39, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 44.0

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 11

Iterasi 27/30 - Best Fitness: 44.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 44.0

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 3

Iterasi 29/30 - Best Fitness: 44.0

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 12

Iterasi 30/30 - Best Fitness: 44.0

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 44.0

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Total conflicts: 106, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 94, Preference conflicts: 15

Total conflicts: 119, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 10

Total conflicts: 90, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 13

Total conflicts: 99, Preference conflicts: 13

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 97, Preference conflicts: 20

Total conflicts: 91, Preference conflicts: 17

Populasi awal: [113.5, 110.5, 101.5, 127.5, 106.0, 95.0, 109.0, 98.0, 104.0, 106.5, 105.5, 111.5, 101.5, 107.0, 99.5]

Iterasi 1/30 - Best Fitness: 95.0

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 77.5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 73.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 66.5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 15

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 66.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 65.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 54.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 54.5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 54.5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 54.5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 54.5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 54.5

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 15

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 54.5

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 54.5

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 16

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Iterasi 15/30 - Best Fitness: 54.5

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 54.5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 52.5

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 52.5

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 16

Total conflicts: 69, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 52.5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 52.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 52.5

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 16

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 52.5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 52.5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 52.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 2

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 12

Iterasi 26/30 - Best Fitness: 52.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 45, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 43, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 13

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 46.5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 2

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 46.5

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 1, 131, 4, 5, 6, 135, 10, 11, 140, 15, 149, 22, 152, 153, 155, 157, 158, 36, 37, 165, 39, 45, 47, 51, 54, 57, 58, 62, 64, 65, 66, 67, 69, 75, 76, 91, 92, 94, 100, 101, 105}, 'room\_consistency\_conflicts': [{'temp\_id': 67, 'ruangan': ['4.1.5.55', '4.1.5.62'], 'slot\_ids': [86, 87, 405]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 520]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [25, 1034]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 1034]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1034, 27]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 1036]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [87, 592]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1177, 170]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [170, 1178]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [170, 1179]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1178, 171]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [171, 1179]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1179, 172]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [178, 1186]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [181, 685]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [181, 686]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [685, 182]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 686]}, {'ruang': '4.1.5.57', 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'slot\_ids': [327, 1336]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [1335, 328]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [328, 1336]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [865, 362]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [362, 866]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [362, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [866, 363]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [363, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [867, 364]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1375, 872]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [405, 909]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [478, 982]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [479, 983]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [479, 984]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [983, 480]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [480, 984]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [998, 495]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [495, 999]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [495, 1000]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [999, 496]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [999, 1000]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [496, 1000]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [497, 1001]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [497, 498]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [497, 1002]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1001, 498]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1001, 1506]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [498, 1002]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [498, 1506]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1002, 1506]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1507]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1508]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1507, 500]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [500, 1508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 1012]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1011, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [508, 1012]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [913, 1418]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [914, 1418]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [914, 1419]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [1418, 915]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [915, 1419]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [915, 1420]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [917, 1422]}, {'ruang': 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Populasi 15, Eksperimen 4/30 selesai

Total conflicts: 95, Preference conflicts: 19

Total conflicts: 108, Preference conflicts: 18

Total conflicts: 87, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 12

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 93, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 13

Total conflicts: 90, Preference conflicts: 17

Total conflicts: 91, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 105, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 92, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 100, Preference conflicts: 16

Populasi awal: [104.5, 117.0, 95.5, 105.0, 109.5, 101.0, 107.5, 98.5, 98.0, 111.0, 113.0, 109.0, 101.0, 111.0, 108.0]

Iterasi 1/30 - Best Fitness: 95.5

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 92, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 89, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 91, Preference conflicts: 13

Iterasi 2/30 - Best Fitness: 73.5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 63.0

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 2

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 63.0

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 15

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 63.0

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 63.0

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 58.0

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 58.0

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 58.0

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 58.0

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 58.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

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Total conflicts: 73, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 58.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Iterasi 13/30 - Best Fitness: 58.0

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 56.0

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 56.0

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

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Total conflicts: 65, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 56.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 56.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 52.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 47.5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

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Total conflicts: 75, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 47.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

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Total conflicts: 49, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 47.5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 47.5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 47.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 47.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 47.5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 47.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 15

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 47.5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 47.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 47.0

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 47.0

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Optimasi Selesai!

Best Fitness: 47.0

Detail Konflik: {'conflict\_temp\_ids': {128, 2, 4, 133, 6, 135, 10, 14, 145, 20, 148, 22, 151, 149, 153, 26, 24, 157, 33, 166, 42, 45, 51, 53, 57, 64, 67, 75, 77, 78, 89, 90, 92, 94, 98, 100, 109, 110, 111, 112, 118, 119, 122}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [521, 1026]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [522, 1026]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [101, 102]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 607]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 608]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [607, 104]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [104, 608]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 619]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 620]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': 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Populasi 15, Eksperimen 5/30 selesai

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 109, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 89, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 109, Preference conflicts: 19

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 92, Preference conflicts: 11

Total conflicts: 98, Preference conflicts: 13

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 11

Total conflicts: 103, Preference conflicts: 17

Total conflicts: 115, Preference conflicts: 12

Populasi awal: [92.0, 117.5, 106.5, 97.5, 105.0, 118.5, 100.5, 99.0, 97.5, 104.5, 111.0, 104.5, 101.5, 111.5, 121.0]

Iterasi 1/30 - Best Fitness: 92.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 93, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 89, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 77.0

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 12

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 66.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 16

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 66.0

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 66.0

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 56.5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 56.5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 56.5

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 56.5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 56.5

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 12

Iterasi 12/30 - Best Fitness: 56.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 4

Iterasi 13/30 - Best Fitness: 51.0

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 13

Iterasi 14/30 - Best Fitness: 50.0

Total conflicts: 53, Preference conflicts: 14

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Iterasi 15/30 - Best Fitness: 50.0

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 50.0

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 50.0

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 50.0

Total conflicts: 62, Preference conflicts: 14

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 2

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 50.0

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 13

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 48.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 3

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 11

Iterasi 22/30 - Best Fitness: 48.0

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 4

Iterasi 23/30 - Best Fitness: 48.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 48.0

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 48.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 38, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 41.0

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 41.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 41.0

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 44, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 41.0

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 43, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 11

Iterasi 30/30 - Best Fitness: 41.0

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 39, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Optimasi Selesai!

Best Fitness: 41.0

Detail Konflik: {'conflict\_temp\_ids': {2, 131, 5, 6, 9, 139, 140, 16, 18, 19, 22, 23, 153, 155, 157, 162, 164, 165, 39, 41, 171, 45, 47, 49, 51, 53, 56, 60, 65, 70, 75, 77, 87, 101, 102, 111, 117, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 1087]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1087, 80]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [80, 1088]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 596]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [92, 596]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [101, 606]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [102, 606]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [113, 618]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [114, 618]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 619]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 620]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [675, 172]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [173, 677]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [173, 678]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [173, 1182]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [677, 174]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [677, 1182]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [174, 678]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [174, 1182]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [678, 1182]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [679, 1183]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [679, 1184]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 686]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [686, 183]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 688]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [687, 184]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [184, 688]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [1289, 282]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [286, 1294]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 1295]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 1296]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [802, 1306]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [803, 1307]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [803, 1308]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [854, 1359]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [855, 1359]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [855, 1360]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [382, 886]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [383, 887]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [383, 888]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [887, 384]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [384, 888]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [386, 891]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [410, 1418]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [410, 1419]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [1418, 411]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [411, 1419]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [411, 1420]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [1419, 412]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [412, 1420]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [922, 1426]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [969, 1473]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [970, 1474]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [971, 1475]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [487, 991]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [991, 488]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1431, 928]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [931, 1435]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [931, 1436]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1435, 932]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [932, 1436]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [933, 1437]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {112, 49, 82, 22, 87, 157}}

Populasi 15, Eksperimen 6/30 selesai

Total conflicts: 90, Preference conflicts: 16

Total conflicts: 108, Preference conflicts: 19

Total conflicts: 97, Preference conflicts: 11

Total conflicts: 91, Preference conflicts: 12

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 19

Total conflicts: 104, Preference conflicts: 20

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 107, Preference conflicts: 14

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 14

Populasi awal: [98.0, 117.5, 102.5, 97.0, 109.5, 102.0, 109.5, 114.0, 107.5, 106.5, 114.0, 102.5, 107.5, 102.5, 113.0]

Iterasi 1/30 - Best Fitness: 97.0

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 91, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 15

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 94, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 4

Iterasi 2/30 - Best Fitness: 73.5

Total conflicts: 75, Preference conflicts: 15

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 90, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 13

Iterasi 3/30 - Best Fitness: 65.0

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 2

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Iterasi 4/30 - Best Fitness: 65.0

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 54.5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 54.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 54.5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 53.5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 9

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Total conflicts: 59, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 53.5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 53.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 15

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 53.5

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 0

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

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Total conflicts: 62, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 53.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 16

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Iterasi 14/30 - Best Fitness: 53.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 53.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 45, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 46.5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 46.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 46.5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 46.5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 89, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 42, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 45.5

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 40, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 43.0

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 12

Iterasi 22/30 - Best Fitness: 43.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 43.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 43.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 43.0

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 11

Iterasi 26/30 - Best Fitness: 43.0

Total conflicts: 51, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 41, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 43.0

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 43.0

Total conflicts: 47, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 42, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 44, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 41, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 5

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 43.0

Detail Konflik: {'conflict\_temp\_ids': {129, 1, 132, 135, 8, 140, 141, 22, 23, 150, 157, 158, 33, 34, 165, 41, 42, 47, 49, 55, 56, 57, 60, 64, 65, 66, 68, 73, 76, 82, 87, 93, 95, 99, 101, 105, 116, 122, 124, 126}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [505, 1010]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 1010]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 3]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1010, 3]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1010, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 1012]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 4]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 1012]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1011, 4]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [4, 1012]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [22, 526]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 527]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 528]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1051, 44]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [44, 1052]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [45, 1053]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [567, 64]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [64, 568]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [87, 592]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1238, 231]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 1239]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1239, 232]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [261, 765]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [262, 766]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [263, 767]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [263, 768]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1277, 774]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [271, 775]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [271, 776]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [775, 272]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [272, 776]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [285, 1293]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [789, 1293]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [301, 806]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [302, 806]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [302, 807]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [325, 829]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [325, 830]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [829, 326]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [326, 830]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [326, 831]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [1361, 858]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [358, 1366]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [359, 1367]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [359, 1368]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [1367, 360]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [360, 1368]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [399, 400]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [965, 1469]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [965, 1470]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1469, 966]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [966, 1470]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [967, 1471]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [481, 1489]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [481, 1490]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [1489, 482]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 1490]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 1491]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [1490, 483]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 1491]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [999, 496]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [496, 1000]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1034, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [531, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1035, 532]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {1, 9, 140, 77, 16, 95}}

Populasi 15, Eksperimen 7/30 selesai

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 91, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 22

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 86, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 11

Total conflicts: 100, Preference conflicts: 19

Total conflicts: 104, Preference conflicts: 12

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 18

Total conflicts: 87, Preference conflicts: 12

Total conflicts: 109, Preference conflicts: 13

Total conflicts: 100, Preference conflicts: 15

Populasi awal: [104.0, 98.0, 115.0, 107.5, 93.0, 113.0, 102.5, 106.5, 109.5, 110.0, 113.5, 114.0, 93.0, 115.5, 107.5]

Iterasi 1/30 - Best Fitness: 93.0

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 92, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 91, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 93, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 74.0

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 91, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 90, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 81, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 61.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 15

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

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Total conflicts: 76, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 61.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 61.0

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

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Total conflicts: 81, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 61.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 15

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Total conflicts: 62, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 57.5

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

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Total conflicts: 65, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Iterasi 8/30 - Best Fitness: 57.5

Total conflicts: 61, Preference conflicts: 6

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Iterasi 9/30 - Best Fitness: 57.5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 10

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Total conflicts: 65, Preference conflicts: 5

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Total conflicts: 54, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 56.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 4

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Total conflicts: 76, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 55.5

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 13

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Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 55.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 10

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Total conflicts: 50, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 10

Iterasi 13/30 - Best Fitness: 51.5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

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Total conflicts: 79, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 51.5

Total conflicts: 66, Preference conflicts: 9

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Total conflicts: 60, Preference conflicts: 9

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Total conflicts: 70, Preference conflicts: 7

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Total conflicts: 72, Preference conflicts: 11

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Total conflicts: 60, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 51.5

Total conflicts: 73, Preference conflicts: 4

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Total conflicts: 64, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 13

Iterasi 16/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 12

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Total conflicts: 68, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 51.5

Total conflicts: 68, Preference conflicts: 10

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Total conflicts: 65, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 51.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

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Total conflicts: 59, Preference conflicts: 8

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Total conflicts: 66, Preference conflicts: 7

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Total conflicts: 64, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 51.5

Total conflicts: 69, Preference conflicts: 8

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Iterasi 20/30 - Best Fitness: 51.5

Total conflicts: 65, Preference conflicts: 9

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Iterasi 21/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 6

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Iterasi 22/30 - Best Fitness: 51.5

Total conflicts: 61, Preference conflicts: 9

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Iterasi 23/30 - Best Fitness: 51.5

Total conflicts: 57, Preference conflicts: 6

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Total conflicts: 67, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 51.5

Total conflicts: 70, Preference conflicts: 5

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Total conflicts: 69, Preference conflicts: 11

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Iterasi 25/30 - Best Fitness: 51.5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

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Total conflicts: 57, Preference conflicts: 6

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Iterasi 26/30 - Best Fitness: 51.5

Total conflicts: 63, Preference conflicts: 6

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Total conflicts: 49, Preference conflicts: 12

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Total conflicts: 74, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 51.5

Total conflicts: 60, Preference conflicts: 10

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Iterasi 28/30 - Best Fitness: 49.0

Total conflicts: 62, Preference conflicts: 11

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Iterasi 29/30 - Best Fitness: 49.0

Total conflicts: 59, Preference conflicts: 1

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Total conflicts: 64, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 14

Total conflicts: 51, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 49.0

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

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Total conflicts: 66, Preference conflicts: 2

Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 72, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 49.0

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'slot\_ids': [311, 815]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [329, 834]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [330, 834]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [331, 835]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [331, 836]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [850, 1354]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [851, 1355]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [1355, 852]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [434, 939]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [435, 939]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [435, 940]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [437, 941]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [941, 438]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [969, 1473]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [970, 1474]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [971, 1475]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [472, 976]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [473, 977]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [473, 978]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [977, 474]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [474, 978]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {90, 134, 106, 11, 19, 154}}

Populasi 15, Eksperimen 8/30 selesai

Total conflicts: 104, Preference conflicts: 21

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 19

Total conflicts: 105, Preference conflicts: 13

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 94, Preference conflicts: 14

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 12

Total conflicts: 100, Preference conflicts: 19

Total conflicts: 107, Preference conflicts: 11

Total conflicts: 90, Preference conflicts: 15

Total conflicts: 107, Preference conflicts: 18

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 82, Preference conflicts: 13

Populasi awal: [114.5, 109.5, 108.5, 111.5, 106.0, 101.0, 99.0, 110.0, 109.5, 112.5, 97.5, 116.0, 104.0, 99.5, 88.5]

Iterasi 1/30 - Best Fitness: 88.5

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 90, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 90, Preference conflicts: 4

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 16

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 90, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 15

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 66.0

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 62.5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 59.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 59.0

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 4

Iterasi 8/30 - Best Fitness: 56.0

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 56.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 56.0

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 15

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 56.0

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 90, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 56.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 3

Iterasi 13/30 - Best Fitness: 56.0

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 56.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 56.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

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Total conflicts: 59, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

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Total conflicts: 73, Preference conflicts: 10

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Total conflicts: 63, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 56.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 50.5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 1

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 15

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 50.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 46, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 49.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 49.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 49.5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 50, Preference conflicts: 5

Iterasi 22/30 - Best Fitness: 49.5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 2

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 49.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 49.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 49.5

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 16

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 48.0

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 4

Iterasi 27/30 - Best Fitness: 48.0

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 11

Iterasi 28/30 - Best Fitness: 48.0

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 48.0

Detail Konflik: {'conflict\_temp\_ids': {4, 6, 8, 138, 10, 18, 148, 21, 149, 24, 26, 156, 30, 159, 31, 33, 34, 32, 166, 39, 171, 47, 50, 52, 53, 57, 60, 64, 67, 73, 76, 80, 87, 89, 93, 94, 99, 105, 106, 108, 109, 110, 115, 124, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1, 506]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 506]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 507]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 1022]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 1023]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1022, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 1023]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 1024]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1023, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [520, 1024]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 104]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [126, 630]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 631]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 1135]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 632]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [127, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 1135]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 128]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [1135, 128]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [1135, 632]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [128, 632]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [128, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [632, 1136]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [130, 634]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [131, 635]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [131, 636]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [635, 132]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [132, 636]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [146, 1155]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [147, 1155]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [147, 1156]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1155, 148]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [148, 1156]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1181, 678]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [678, 1182]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [679, 1183]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [679, 1184]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1183, 680]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [680, 1184]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [185, 689]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [689, 186]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [190, 694]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [191, 695]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [191, 696]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [695, 192]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [192, 696]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [214, 718]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [215, 719]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [215, 720]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [719, 216]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [216, 720]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [722, 1227]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [723, 1227]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [723, 1228]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [286, 790]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [793, 290]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [290, 794]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [290, 795]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [794, 291]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 795]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [795, 292]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [319, 1327]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [319, 1328]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1327, 320]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [320, 1328]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [833, 330]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [330, 834]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [331, 835]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [835, 332]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [938, 435]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [435, 939]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [939, 436]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [437, 438]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [439, 944]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [440, 944]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [445, 949]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [445, 950]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [949, 446]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [446, 950]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [446, 951]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [950, 447]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [447, 951]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1001, 1002]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1003]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1004]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1003, 500]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [500, 1004]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 556]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [705, 1209]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [706, 1210]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {129, 165, 136, 140, 154, 92}}

Populasi 15, Eksperimen 9/30 selesai

Total conflicts: 96, Preference conflicts: 22

Total conflicts: 104, Preference conflicts: 24

Total conflicts: 90, Preference conflicts: 17

Total conflicts: 108, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 90, Preference conflicts: 22

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 105, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 17

Total conflicts: 109, Preference conflicts: 14

Total conflicts: 93, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 16

Populasi awal: [107.0, 116.0, 98.5, 116.0, 111.0, 101.0, 107.5, 113.5, 108.5, 100.5, 116.0, 100.0, 107.5, 105.0, 113.0]

Iterasi 1/30 - Best Fitness: 98.5

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 91, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 91, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 99, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 83, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 65.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 62.0

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 61.5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 58.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Iterasi 8/30 - Best Fitness: 50.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 2

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 50.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 50.5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 50.5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 50.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Iterasi 13/30 - Best Fitness: 50.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 50.5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 2

Total conflicts: 65, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 50.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 50.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 50.5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 50.5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 50.5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 50.5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 50.5

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 50.5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 13

Iterasi 23/30 - Best Fitness: 50.5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 47, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 50.5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 50.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 50.5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 12

Iterasi 27/30 - Best Fitness: 50.5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 50.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 50.5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Iterasi 30/30 - Best Fitness: 50.5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 50.5

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 4, 5, 134, 6, 8, 135, 10, 11, 140, 13, 139, 15, 22, 23, 151, 25, 26, 154, 152, 132, 156, 32, 161, 36, 37, 166, 39, 47, 49, 50, 51, 56, 57, 58, 69, 75, 79, 82, 91, 92, 95, 98, 100, 117, 126}, 'room\_consistency\_conflicts': [{'temp\_id': 91, 'ruangan': ['4.1.5.55', '4.1.5.61'], 'slot\_ids': [259, 260, 386]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1046, 39]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 1047]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 544]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1047, 40]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1047, 544]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [40, 544]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 545]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 42]}, {'ruang': '4.1.5.60', 'hari': 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Populasi 15, Eksperimen 10/30 selesai

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 103, Preference conflicts: 14

Total conflicts: 105, Preference conflicts: 13

Total conflicts: 93, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 21

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 94, Preference conflicts: 16

Total conflicts: 111, Preference conflicts: 14

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 18

Total conflicts: 109, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 90, Preference conflicts: 19

Populasi awal: [110.0, 110.0, 111.5, 101.5, 108.5, 114.0, 105.0, 102.0, 118.0, 106.5, 108.0, 116.5, 113.5, 102.0, 99.5]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 91, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 91, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 94, Preference conflicts: 10

Total conflicts: 93, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 92, Preference conflicts: 7

Total conflicts: 90, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 69.0

Total conflicts: 92, Preference conflicts: 16

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 91, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 90, Preference conflicts: 16

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 69.0

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 61.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 56.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 56.5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 56.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 55.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 55.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 55.5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 55.5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 55.5

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 2

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Iterasi 13/30 - Best Fitness: 54.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 54.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 12

Iterasi 15/30 - Best Fitness: 54.0

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 2

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 54.0

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 54.0

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 54.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 54.0

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 54.0

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 54.0

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 51.0

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 84, Preference conflicts: 13

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 51.0

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 51.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 15

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 50.0

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 15

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 50.0

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 50.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 47.5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Optimasi Selesai!

Best Fitness: 47.5

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Populasi 15, Eksperimen 11/30 selesai

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 88, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 111, Preference conflicts: 12

Total conflicts: 91, Preference conflicts: 22

Total conflicts: 113, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 13

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 109, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 16

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 102, Preference conflicts: 11

Total conflicts: 97, Preference conflicts: 13

Total conflicts: 94, Preference conflicts: 13

Populasi awal: [110.0, 96.0, 108.0, 117.0, 102.0, 120.0, 111.5, 104.5, 111.5, 117.5, 100.0, 102.5, 107.5, 103.5, 100.5]

Iterasi 1/30 - Best Fitness: 96.0

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 92, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 92, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 78.5

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 91, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 64.0

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 2

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 56.5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Iterasi 6/30 - Best Fitness: 56.5

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 56.5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 56.5

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 2

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Iterasi 9/30 - Best Fitness: 53.5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Iterasi 10/30 - Best Fitness: 53.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 53.5

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 53.5

Total conflicts: 57, Preference conflicts: 2

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 53.5

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 52.5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 44, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 46.0

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 46.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 42, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 2

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 45.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 45.0

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 2

Iterasi 20/30 - Best Fitness: 45.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 1

Total conflicts: 84, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 12

Iterasi 21/30 - Best Fitness: 45.0

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 45.0

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 43, Preference conflicts: 11

Iterasi 23/30 - Best Fitness: 45.0

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 3

Iterasi 24/30 - Best Fitness: 45.0

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 45.0

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 45.0

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 45.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 45.0

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 45.0

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 40, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 43.0

Detail Konflik: {'conflict\_temp\_ids': {2, 6, 136, 13, 15, 16, 19, 21, 149, 150, 24, 155, 157, 30, 159, 32, 33, 37, 47, 49, 54, 56, 58, 63, 65, 66, 71, 73, 76, 90, 91, 92, 98, 106, 110, 111, 112, 117, 126, 127}, 'room\_consistency\_conflicts': [{'temp\_id': 90, 'ruangan': ['4.1.5.57', '4.1.5.61'], 'slot\_ids': [855, 890, 891]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [46, 550]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [46, 1054]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [550, 1054]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [47, 551]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [47, 1055]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [47, 552]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [47, 1056]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [551, 1055]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [551, 48]}, 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Populasi 15, Eksperimen 12/30 selesai

Total conflicts: 103, Preference conflicts: 14

Total conflicts: 109, Preference conflicts: 13

Total conflicts: 85, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 88, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 93, Preference conflicts: 18

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 108, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 106, Preference conflicts: 18

Total conflicts: 103, Preference conflicts: 13

Total conflicts: 86, Preference conflicts: 16

Total conflicts: 99, Preference conflicts: 15

Populasi awal: [110.0, 115.5, 92.0, 101.5, 96.0, 108.5, 102.0, 106.5, 115.5, 108.0, 109.0, 115.0, 109.5, 94.0, 106.5]

Iterasi 1/30 - Best Fitness: 92.0

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 92, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 91, Preference conflicts: 8

Total conflicts: 92, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 71.5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 82, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 71.0

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 15

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 68.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 15

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 13

Iterasi 5/30 - Best Fitness: 67.0

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 5

Iterasi 6/30 - Best Fitness: 56.5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 56.5

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 55.0

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 55.0

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 5

Iterasi 10/30 - Best Fitness: 55.0

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 16

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 55.0

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 55.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 55.0

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 55.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 55.0

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 95, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 55.0

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 13

Iterasi 17/30 - Best Fitness: 54.0

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 54.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 54.0

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 4

Iterasi 20/30 - Best Fitness: 53.0

Total conflicts: 80, Preference conflicts: 15

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

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Total conflicts: 71, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 53.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 53.0

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

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Total conflicts: 54, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 53.0

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Iterasi 24/30 - Best Fitness: 53.0

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 53.0

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 51.5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 50.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Iterasi 28/30 - Best Fitness: 50.5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 5

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Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 50.5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 2

Total conflicts: 48, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 13

Iterasi 30/30 - Best Fitness: 50.5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 4

Optimasi Selesai!

Best Fitness: 50.5

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Total conflicts: 92, Preference conflicts: 19

Total conflicts: 110, Preference conflicts: 19

Total conflicts: 105, Preference conflicts: 16

Total conflicts: 106, Preference conflicts: 9

Total conflicts: 102, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 19

Total conflicts: 92, Preference conflicts: 13

Total conflicts: 96, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 20

Total conflicts: 98, Preference conflicts: 20

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 112, Preference conflicts: 16

Populasi awal: [105.5, 101.5, 119.5, 113.0, 110.5, 110.5, 111.5, 113.5, 105.5, 98.5, 103.0, 105.0, 108.0, 110.5, 120.0]

Iterasi 1/30 - Best Fitness: 98.5

Total conflicts: 91, Preference conflicts: 3

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 90, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 4

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Iterasi 2/30 - Best Fitness: 77.5

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 75.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 60.0

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 50.5

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Iterasi 6/30 - Best Fitness: 50.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 50.0

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 50.0

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 50.0

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 90, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 13

Iterasi 10/30 - Best Fitness: 50.0

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 50.0

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 50.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 13

Iterasi 13/30 - Best Fitness: 50.0

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 50.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 50.0

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 50.0

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 50.0

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 50.0

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 50.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

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Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 50.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

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Total conflicts: 78, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 50.0

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 2

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 7

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Total conflicts: 65, Preference conflicts: 13

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Iterasi 22/30 - Best Fitness: 50.0

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 50.0

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 50.0

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 50.0

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 50.0

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 11

Iterasi 28/30 - Best Fitness: 50.0

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 50.0

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 50.0

Total conflicts: 42, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 41, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 50.0

Detail Konflik: {'conflict\_temp\_ids': {128, 132, 5, 133, 4, 136, 9, 139, 15, 144, 148, 20, 22, 24, 27, 30, 32, 33, 161, 36, 165, 166, 171, 45, 47, 50, 56, 66, 70, 71, 73, 79, 87, 88, 89, 90, 92, 94, 105, 106, 108, 109, 112, 116, 118, 119}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1, 506]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 506]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 3]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 508]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1033, 530]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [530, 1034]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [530, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1034, 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Populasi 15, Eksperimen 14/30 selesai

Total conflicts: 96, Preference conflicts: 18

Total conflicts: 100, Preference conflicts: 14

Total conflicts: 96, Preference conflicts: 19

Total conflicts: 108, Preference conflicts: 17

Total conflicts: 105, Preference conflicts: 12

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 90, Preference conflicts: 13

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 14

Total conflicts: 98, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 19

Total conflicts: 89, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 13

Populasi awal: [105.0, 107.0, 105.5, 116.5, 111.0, 107.5, 96.5, 109.0, 111.0, 99.0, 103.0, 107.5, 112.5, 98.0, 108.5]

Iterasi 1/30 - Best Fitness: 96.5

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 93, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 12

Iterasi 2/30 - Best Fitness: 78.0

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 15

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Iterasi 3/30 - Best Fitness: 71.5

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 59.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Iterasi 5/30 - Best Fitness: 59.5

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 12

Iterasi 6/30 - Best Fitness: 59.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 15

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 59.5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 59.0

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 2

Total conflicts: 66, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 57.5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

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Total conflicts: 70, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 10

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Total conflicts: 68, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 55.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 5

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Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 55.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 52.5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 17

Total conflicts: 76, Preference conflicts: 9

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Total conflicts: 62, Preference conflicts: 8

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Total conflicts: 62, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 15

Iterasi 13/30 - Best Fitness: 52.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 8

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Total conflicts: 64, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 52.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

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Total conflicts: 70, Preference conflicts: 3

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Total conflicts: 66, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 52.5

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Total conflicts: 67, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 14

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Total conflicts: 67, Preference conflicts: 9

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Total conflicts: 77, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 52.5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 3

Iterasi 17/30 - Best Fitness: 52.5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 52.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 3

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Total conflicts: 60, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 52.5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 11

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Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 52.5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

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Total conflicts: 63, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 52.5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

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Total conflicts: 52, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Iterasi 22/30 - Best Fitness: 52.5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 58, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 52.5

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 7

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Total conflicts: 52, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 49.0

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

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Total conflicts: 66, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 41, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 11

Iterasi 26/30 - Best Fitness: 46.5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 12

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Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 46.5

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 46.5

Detail Konflik: {'conflict\_temp\_ids': {1, 2, 4, 6, 9, 11, 144, 16, 19, 148, 149, 23, 152, 26, 157, 31, 161, 162, 164, 36, 165, 41, 45, 47, 49, 50, 51, 57, 63, 65, 66, 70, 75, 76, 79, 91, 94, 111, 116, 119, 122}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [542, 39]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1046, 39]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 543]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 1047]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 544]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [543, 40]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1047, 40]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [40, 544]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 42]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [89, 594]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [90, 594]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [191, 695]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [191, 696]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [695, 192]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [192, 696]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [202, 1210]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [203, 1211]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [229, 733]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [229, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [733, 230]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [734, 231]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 735]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [289, 1298]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [290, 1298]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [290, 1299]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [1298, 291]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 1299]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 292]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 1300]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [1299, 292]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [292, 1300]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [302, 806]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [302, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [806, 303]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 808]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [807, 304]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [304, 808]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [318, 1326]}, {'ruang': 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Populasi 15, Eksperimen 15/30 selesai

Total conflicts: 106, Preference conflicts: 14

Total conflicts: 112, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 15

Total conflicts: 117, Preference conflicts: 17

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 101, Preference conflicts: 13

Total conflicts: 93, Preference conflicts: 19

Total conflicts: 97, Preference conflicts: 13

Total conflicts: 107, Preference conflicts: 16

Total conflicts: 94, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 19

Total conflicts: 110, Preference conflicts: 18

Total conflicts: 110, Preference conflicts: 12

Populasi awal: [113.0, 119.5, 111.5, 105.5, 93.5, 125.5, 88.5, 107.5, 102.5, 103.5, 115.0, 101.0, 109.5, 119.0, 116.0]

Iterasi 1/30 - Best Fitness: 88.5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 93, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 91, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 73.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 61.5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 16

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 61.5

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 55, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 58.5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 13

Iterasi 7/30 - Best Fitness: 55.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 55.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Iterasi 9/30 - Best Fitness: 53.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 10

Iterasi 10/30 - Best Fitness: 53.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 2

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Iterasi 11/30 - Best Fitness: 53.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 53.5

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 12

Iterasi 14/30 - Best Fitness: 53.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 16

Iterasi 16/30 - Best Fitness: 51.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 51.5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 4

Iterasi 19/30 - Best Fitness: 50.0

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 50.0

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 5

Iterasi 21/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 50.0

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 13

Iterasi 23/30 - Best Fitness: 50.0

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Iterasi 24/30 - Best Fitness: 50.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 2

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 50.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 47.0

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 38, Preference conflicts: 14

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 45.0

Total conflicts: 89, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 2

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 45.0

Detail Konflik: {'conflict\_temp\_ids': {1, 131, 5, 9, 11, 14, 144, 19, 20, 149, 150, 23, 152, 22, 154, 27, 158, 32, 33, 165, 39, 47, 55, 56, 58, 60, 62, 67, 76, 78, 79, 89, 93, 94, 105, 111, 116, 117}, 'room\_consistency\_conflicts': [{'temp\_id': 158, 'ruangan': ['4.1.5.59', '4.1.5.63'], 'slot\_ids': [751, 869, 870]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 557]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 558]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [557, 54]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [54, 558]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [55, 559]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [559, 56]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [81, 585]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [82, 586]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [586, 1090]}, {'ruang': 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'4.1.5.59', 'hari': 'rabu', 'slot\_ids': [701, 1206]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [1205, 702]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [702, 1206]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [703, 1207]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [247, 751]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [751, 248]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [257, 762]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 796]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [292, 796]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [363, 364]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [365, 869]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [365, 870]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [869, 366]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [366, 870]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [385, 1393]}, {'ruang': '4.1.5.61', 'hari': 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'slot\_ids': [435, 1443]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [435, 940]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [435, 1444]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1443, 436]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1443, 940]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [436, 940]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [436, 1444]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [940, 1444]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [437, 941]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [437, 1445]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [437, 438]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [437, 942]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [941, 1445]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [941, 438]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1445, 438]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': 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Populasi 15, Eksperimen 16/30 selesai

Total conflicts: 100, Preference conflicts: 20

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 89, Preference conflicts: 12

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 112, Preference conflicts: 18

Total conflicts: 93, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 107, Preference conflicts: 20

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 110, Preference conflicts: 13

Total conflicts: 90, Preference conflicts: 13

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 96, Preference conflicts: 23

Total conflicts: 95, Preference conflicts: 15

Populasi awal: [110.0, 100.5, 108.5, 95.0, 111.0, 121.0, 101.5, 111.5, 117.0, 101.5, 116.5, 96.5, 102.0, 107.5, 102.5]

Iterasi 1/30 - Best Fitness: 95.0

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 92, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 11

Iterasi 2/30 - Best Fitness: 73.5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 73.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 73.0

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 12

Iterasi 5/30 - Best Fitness: 71.0

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 68.5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 68.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 62.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 15

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 62.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 10

Iterasi 10/30 - Best Fitness: 61.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 60.0

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 56.0

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 45, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Iterasi 13/30 - Best Fitness: 51.5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 51.5

Total conflicts: 71, Preference conflicts: 2

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 12

Iterasi 15/30 - Best Fitness: 51.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 48, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 51.5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 51.5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 51.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 51.5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 14

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 51.5

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 47.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 33, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 36.5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 39, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 36.5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 37, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 45, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 36.5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 41, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 36.5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 36.5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 48, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 36.5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 36.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 39, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 36.5

Total conflicts: 67, Preference conflicts: 2

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 41, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 2

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 36.5

Detail Konflik: {'conflict\_temp\_ids': {128, 131, 132, 7, 9, 10, 139, 140, 13, 15, 144, 19, 22, 151, 156, 158, 30, 32, 162, 164, 42, 47, 56, 58, 62, 66, 73, 90, 94, 98, 102, 106, 117}, 'room\_consistency\_conflicts': [{'temp\_id': 22, 'ruangan': ['4.1.5.60', '4.1.5.59'], 'slot\_ids': [1288, 1383, 1384]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 547]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 548]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [547, 44]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [547, 548]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [44, 548]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [45, 549]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [57, 561]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [58, 562]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [59, 563]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [59, 564]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [70, 574]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [71, 575]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [71, 576]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [85, 590]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [86, 590]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [86, 591]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [591, 1096]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [592, 1096]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [159, 1168]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [160, 1168]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [178, 1186]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [179, 1187]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [179, 1188]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [191, 695]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [695, 192]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [279, 1288]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [799, 1303]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [799, 1304]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [1303, 800]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [800, 1304]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [298, 802]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [299, 803]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [299, 804]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [803, 300]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [300, 804]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [830, 327]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [327, 831]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [327, 832]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [831, 328]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [328, 832]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [329, 833]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [329, 834]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [343, 847]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [847, 344]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [878, 1383]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [879, 1383]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [879, 1384]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [381, 885]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [382, 886]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [485, 1493]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [485, 1494]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [1493, 486]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [486, 1494]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {98, 102, 109, 110, 22, 152, 60}}

Populasi 15, Eksperimen 17/30 selesai

Total conflicts: 93, Preference conflicts: 16

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 107, Preference conflicts: 20

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 106, Preference conflicts: 13

Total conflicts: 104, Preference conflicts: 22

Total conflicts: 107, Preference conflicts: 14

Total conflicts: 106, Preference conflicts: 21

Total conflicts: 110, Preference conflicts: 23

Total conflicts: 110, Preference conflicts: 14

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 94, Preference conflicts: 16

Populasi awal: [101.0, 99.5, 109.5, 111.0, 104.0, 117.0, 106.0, 112.5, 115.0, 114.0, 116.5, 121.5, 117.0, 106.0, 102.0]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 92, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 3

Iterasi 2/30 - Best Fitness: 73.0

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 68.0

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 67.5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 2

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 67.5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 65.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 61.0

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 2

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 58.0

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 4

Iterasi 9/30 - Best Fitness: 58.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 58.0

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 58.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 58.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 58.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 55.0

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 5

Iterasi 15/30 - Best Fitness: 47.5

Total conflicts: 44, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 2

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 41, Preference conflicts: 4

Iterasi 16/30 - Best Fitness: 43.0

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 43.0

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Iterasi 18/30 - Best Fitness: 43.0

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 43.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 43.0

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 43.0

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 43.0

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 43.0

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Iterasi 24/30 - Best Fitness: 43.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 43.0

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 43.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 43.0

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 43.0

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 2

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 43.0

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 1, 131, 4, 134, 135, 138, 10, 141, 15, 18, 20, 148, 151, 152, 24, 158, 159, 31, 37, 165, 171, 55, 58, 64, 65, 67, 68, 79, 90, 91, 92, 95, 99, 101, 108, 110, 111, 116, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1, 506]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 506]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 3]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [506, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 507]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 1012]}, {'ruang': 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'slot\_ids': [511, 1015]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [511, 1016]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [543, 40]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [74, 578]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [74, 579]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [578, 75]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [75, 579]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [75, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 76]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [76, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [82, 586]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [82, 1090]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 587]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 1091]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 1092]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [153, 657]}, 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Populasi 15, Eksperimen 18/30 selesai

Total conflicts: 106, Preference conflicts: 17

Total conflicts: 111, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 17

Total conflicts: 112, Preference conflicts: 17

Total conflicts: 88, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 13

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 91, Preference conflicts: 20

Total conflicts: 94, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 111, Preference conflicts: 12

Total conflicts: 102, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 16

Populasi awal: [114.5, 120.5, 111.5, 120.5, 97.0, 110.5, 109.0, 101.0, 101.5, 112.0, 102.0, 110.5, 117.0, 110.5, 106.0]

Iterasi 1/30 - Best Fitness: 97.0

Total conflicts: 77, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 71.0

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 67.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 67.0

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 91, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Iterasi 5/30 - Best Fitness: 64.5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 93, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 11

Iterasi 6/30 - Best Fitness: 63.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 81, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 61.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 57.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 10

Iterasi 9/30 - Best Fitness: 57.5

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 17

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 12

Iterasi 10/30 - Best Fitness: 57.5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 57.5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 57.5

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 1

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 57.5

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 2

Total conflicts: 63, Preference conflicts: 14

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 15

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 57.5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Iterasi 15/30 - Best Fitness: 47.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 47.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 13

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 47.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 47.5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 4

Iterasi 19/30 - Best Fitness: 47.5

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 47.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 47.5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 15

Total conflicts: 61, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 47.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 47.5

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 4

Iterasi 24/30 - Best Fitness: 47.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Iterasi 25/30 - Best Fitness: 47.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 38, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 12

Iterasi 26/30 - Best Fitness: 42.0

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 42.0

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 46, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 42.0

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 42.0

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 1

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 42.0

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Optimasi Selesai!

Best Fitness: 42.0

Detail Konflik: {'conflict\_temp\_ids': {129, 2, 131, 6, 7, 136, 9, 139, 140, 145, 21, 149, 23, 25, 154, 26, 157, 30, 31, 161, 34, 164, 45, 47, 50, 52, 54, 66, 68, 69, 70, 73, 82, 91, 93, 108, 109, 110}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [697, 1201]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [697, 1202]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [1201, 698]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [698, 1202]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [698, 1203]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [1202, 699]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [699, 1203]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [213, 717]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [214, 718]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [215, 719]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [242, 747]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [1250, 747]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [243, 747]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [243, 748]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [747, 1251]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [1251, 748]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [273, 777]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [274, 778]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [274, 1282]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [797, 294]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 808]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [304, 808]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [322, 1330]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [323, 1331]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [323, 1332]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1331, 324]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [324, 1332]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [329, 834]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [330, 834]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [331, 835]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [331, 836]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [355, 859]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [355, 860]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [859, 356]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [356, 860]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [357, 861]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [381, 885]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [382, 1390]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [922, 1426]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [923, 1427]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [923, 1428]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [1427, 924]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [924, 1428]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1433, 426]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [426, 1434]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [427, 931]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [427, 932]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [931, 428]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [428, 932]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [471, 976]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [472, 976]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [473, 977]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [473, 978]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 1490]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 1491]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [1490, 483]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 1491]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 1492]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [1491, 484]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [484, 1492]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [610, 1114]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [691, 1195]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [691, 1196]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [693, 1197]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {128, 136, 8, 108, 141, 50, 115, 126}}

Populasi 15, Eksperimen 19/30 selesai

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 103, Preference conflicts: 17

Total conflicts: 110, Preference conflicts: 18

Total conflicts: 93, Preference conflicts: 11

Total conflicts: 99, Preference conflicts: 22

Total conflicts: 104, Preference conflicts: 19

Total conflicts: 87, Preference conflicts: 22

Total conflicts: 104, Preference conflicts: 13

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 103, Preference conflicts: 17

Total conflicts: 91, Preference conflicts: 19

Total conflicts: 81, Preference conflicts: 17

Populasi awal: [109.0, 111.5, 119.0, 98.5, 110.0, 113.5, 98.0, 110.5, 111.5, 108.0, 107.5, 111.0, 111.5, 100.5, 89.5]

Iterasi 1/30 - Best Fitness: 89.5

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 3

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 72.5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Iterasi 4/30 - Best Fitness: 70.0

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 61.5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 57.0

Total conflicts: 51, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 12

Iterasi 7/30 - Best Fitness: 52.5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Iterasi 8/30 - Best Fitness: 52.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 15

Iterasi 9/30 - Best Fitness: 52.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 4

Iterasi 10/30 - Best Fitness: 52.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 52.5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 52.5

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 15

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 11

Iterasi 13/30 - Best Fitness: 52.5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 49.5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 49.5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 49.5

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 49.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 15

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 49.5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 49.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 2

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 49.5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 48, Preference conflicts: 11

Total conflicts: 48, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 49.5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 49.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 49.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 49.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 49.5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 43, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 12

Iterasi 26/30 - Best Fitness: 47.5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 47.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 47.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 47.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 47.5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 47.5

Detail Konflik: {'conflict\_temp\_ids': {1, 131, 132, 141, 14, 144, 16, 19, 150, 23, 151, 155, 156, 157, 31, 159, 161, 162, 164, 165, 166, 39, 51, 53, 55, 57, 58, 60, 62, 64, 65, 67, 70, 75, 76, 79, 93, 98, 102, 106, 115, 117, 119, 124}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [554, 51]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [554, 1059]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 555]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 1059]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 1060]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 1059]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 52]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 1060]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [1059, 52]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [52, 1060]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 1061]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 54]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 558]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [1061, 54]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [1061, 558]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [65, 570]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [66, 570]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [134, 639]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1154, 651]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [651, 1155]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1155, 652]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [653, 654]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 655]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 656]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [655, 152]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [152, 656]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [685, 182]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 686]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [686, 183]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [687, 184]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [211, 715]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [211, 716]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [715, 212]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [212, 716]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [213, 717]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [1249, 242]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [242, 1250]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [242, 1251]}, {'ruang': '4.1.5.63', 'hari': 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Populasi 15, Eksperimen 20/30 selesai

Total conflicts: 94, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 87, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 107, Preference conflicts: 21

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 110, Preference conflicts: 17

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 86, Preference conflicts: 19

Total conflicts: 106, Preference conflicts: 20

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 85, Preference conflicts: 15

Populasi awal: [101.0, 101.5, 102.5, 95.5, 104.5, 117.5, 106.5, 101.5, 118.5, 100.5, 95.5, 116.0, 110.0, 102.0, 92.5]

Iterasi 1/30 - Best Fitness: 92.5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 91, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 72.0

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 13

Iterasi 3/30 - Best Fitness: 66.5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 66.5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 66.5

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 64.5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 64.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 64.5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 62.0

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 12

Iterasi 10/30 - Best Fitness: 60.0

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 2

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 60.0

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 60.0

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 60.0

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 6

Iterasi 14/30 - Best Fitness: 58.0

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 84, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 58.0

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Iterasi 16/30 - Best Fitness: 58.0

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 58.0

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 5

Iterasi 18/30 - Best Fitness: 58.0

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 58.0

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 58.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

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Total conflicts: 52, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 17

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 13

Iterasi 21/30 - Best Fitness: 52.5

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 52.5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 2

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Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 52.5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 52.5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 52.5

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 52.5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 4

Iterasi 27/30 - Best Fitness: 52.5

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 52.5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 2

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 48.0

Detail Konflik: {'conflict\_temp\_ids': {4, 133, 136, 8, 139, 141, 144, 16, 18, 19, 149, 22, 151, 152, 23, 24, 159, 31, 161, 34, 164, 37, 39, 41, 42, 49, 57, 63, 65, 66, 71, 73, 82, 87, 89, 94, 95, 98, 99, 102, 108, 109, 111, 118, 124, 127}, 'room\_consistency\_conflicts': [{'temp\_id': 41, 'ruangan': ['4.1.5.55', '4.1.5.59'], 'slot\_ids': [87, 88, 449]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 4]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 1012]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [4, 508]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [4, 1012]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 509]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 1013]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 510]}, {'ruang': '4.1.5.55', 'hari': 'senin', 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Total conflicts: 101, Preference conflicts: 17

Total conflicts: 87, Preference conflicts: 15

Total conflicts: 108, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 106, Preference conflicts: 19

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 24

Total conflicts: 108, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 14

Total conflicts: 103, Preference conflicts: 16

Total conflicts: 112, Preference conflicts: 18

Total conflicts: 111, Preference conflicts: 12

Total conflicts: 100, Preference conflicts: 12

Populasi awal: [109.5, 94.5, 116.0, 106.0, 115.5, 113.0, 118.0, 116.5, 108.5, 106.5, 103.0, 111.0, 121.0, 117.0, 106.0]

Iterasi 1/30 - Best Fitness: 94.5

Total conflicts: 98, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 9

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Total conflicts: 80, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 4

Total conflicts: 84, Preference conflicts: 4

Total conflicts: 95, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 69.0

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 12

Iterasi 5/30 - Best Fitness: 61.0

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 58.0

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 80, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

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Total conflicts: 62, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 49.0

Total conflicts: 83, Preference conflicts: 16

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

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Total conflicts: 73, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 49.0

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

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Total conflicts: 69, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

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Iterasi 9/30 - Best Fitness: 49.0

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

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Total conflicts: 75, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 5

Iterasi 10/30 - Best Fitness: 49.0

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

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Total conflicts: 64, Preference conflicts: 13

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 12

Iterasi 11/30 - Best Fitness: 49.0

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

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Total conflicts: 68, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 49.0

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

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Total conflicts: 64, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 49.0

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

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Total conflicts: 73, Preference conflicts: 11

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Total conflicts: 50, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 48.0

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

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Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 48.0

Total conflicts: 56, Preference conflicts: 1

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Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 74, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 48.0

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

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Total conflicts: 62, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 48.0

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

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Total conflicts: 78, Preference conflicts: 9

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Total conflicts: 65, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Iterasi 18/30 - Best Fitness: 48.0

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 6

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Total conflicts: 65, Preference conflicts: 9

Total conflicts: 43, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 11

Iterasi 19/30 - Best Fitness: 48.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

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Iterasi 20/30 - Best Fitness: 45.0

Total conflicts: 59, Preference conflicts: 8

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Iterasi 21/30 - Best Fitness: 45.0

Total conflicts: 61, Preference conflicts: 10

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Iterasi 22/30 - Best Fitness: 45.0

Total conflicts: 59, Preference conflicts: 7

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Total conflicts: 56, Preference conflicts: 4

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Total conflicts: 54, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 45.0

Total conflicts: 60, Preference conflicts: 7

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Total conflicts: 56, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

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Total conflicts: 48, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 44, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 45.0

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

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Total conflicts: 59, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 45.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 9

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Total conflicts: 74, Preference conflicts: 4

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 45.0

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

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Total conflicts: 55, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

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Total conflicts: 58, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 45.0

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

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Total conflicts: 60, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 45.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 52, Preference conflicts: 5

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Total conflicts: 72, Preference conflicts: 11

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Total conflicts: 67, Preference conflicts: 7

Total conflicts: 36, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 39.5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

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Total conflicts: 74, Preference conflicts: 10

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Total conflicts: 70, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 37, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 39.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

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Total conflicts: 53, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 11

Optimasi Selesai!

Best Fitness: 39.5

Detail Konflik: {'conflict\_temp\_ids': {129, 1, 6, 8, 141, 13, 16, 144, 145, 19, 22, 23, 155, 27, 31, 34, 162, 164, 36, 166, 163, 41, 51, 54, 59, 66, 69, 73, 90, 91, 93, 94, 98, 99, 109, 124}, 'room\_consistency\_conflicts': [{'temp\_id': 34, 'ruangan': ['4.1.5.55', '4.1.5.60'], 'slot\_ids': [289, 340, 341]}, {'temp\_id': 99, 'ruangan': ['4.1.5.63', '4.1.5.59'], 'slot\_ids': [871, 872, 916]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 1014]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [6, 1014]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [7, 1015]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [7, 1016]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [535, 1039]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [535, 1040]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1039, 536]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [536, 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Populasi 15, Eksperimen 22/30 selesai

Total conflicts: 104, Preference conflicts: 10

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 107, Preference conflicts: 13

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 14

Total conflicts: 93, Preference conflicts: 17

Populasi awal: [109.0, 106.5, 103.5, 106.0, 108.5, 102.5, 100.5, 108.0, 113.5, 98.0, 102.0, 113.5, 107.5, 113.0, 101.5]

Iterasi 1/30 - Best Fitness: 98.0

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 11

Iterasi 2/30 - Best Fitness: 74.5

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 16

Total conflicts: 92, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 13

Iterasi 3/30 - Best Fitness: 70.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 88, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 65.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 58.0

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 58.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 12

Iterasi 7/30 - Best Fitness: 58.0

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 4

Iterasi 8/30 - Best Fitness: 58.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 58.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Iterasi 10/30 - Best Fitness: 51.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Iterasi 11/30 - Best Fitness: 50.5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 4

Iterasi 12/30 - Best Fitness: 50.5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 13

Iterasi 13/30 - Best Fitness: 50.5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 13

Iterasi 14/30 - Best Fitness: 50.5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 50.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 50.5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 40, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 43.0

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 38, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 42.5

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 41, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 42.5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 42.5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 42.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 42.5

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 12

Iterasi 23/30 - Best Fitness: 42.5

Total conflicts: 44, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 57, Preference conflicts: 7

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Total conflicts: 60, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 42.5

Total conflicts: 41, Preference conflicts: 5

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Total conflicts: 64, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

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Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 42.5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 42.5

Total conflicts: 54, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 42.5

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 42.5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

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Total conflicts: 67, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 42.5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 43, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 43, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 42.5

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 44, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 42.5

Detail Konflik: {'conflict\_temp\_ids': {128, 2, 5, 6, 11, 141, 14, 15, 16, 19, 149, 152, 153, 30, 31, 32, 36, 166, 39, 171, 52, 62, 66, 69, 73, 76, 79, 80, 87, 88, 89, 90, 91, 92, 98, 110, 115, 119}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 1013]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1013, 510]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [545, 42]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [42, 546]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 54]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 571]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 572]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [571, 68]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [68, 572]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [69, 573]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [74, 579]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [75, 579]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [75, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 76]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [76, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 581]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [581, 78]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [81, 1089]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [82, 586]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 587]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [83, 588]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [94, 1102]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [95, 1103]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [95, 1104]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [674, 171]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [171, 675]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [171, 676]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [675, 172]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [172, 676]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [725, 222]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [222, 726]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [223, 727]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [727, 224]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [262, 766]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [263, 767]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [263, 768]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [767, 264]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [264, 768]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [358, 862]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [359, 863]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [359, 864]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [863, 360]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [360, 864]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [879, 376]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [376, 880]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [377, 881]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [881, 378]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [401, 905]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [401, 906]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [905, 402]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [905, 906]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [402, 906]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [403, 907]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [403, 908]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [413, 414]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [962, 1467]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [963, 1467]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [963, 1468]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1502, 495]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1502, 999]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [495, 1503]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [999, 1503]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1503, 496]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1503, 1000]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [939, 1443]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [939, 1444]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1443, 940]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [940, 1444]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [941, 1445]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {66, 39, 73, 171, 76, 141, 18, 119, 57}}

Populasi 15, Eksperimen 23/30 selesai

Total conflicts: 97, Preference conflicts: 22

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 20

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 107, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 109, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 12

Total conflicts: 103, Preference conflicts: 19

Total conflicts: 105, Preference conflicts: 20

Total conflicts: 90, Preference conflicts: 15

Total conflicts: 94, Preference conflicts: 20

Total conflicts: 96, Preference conflicts: 21

Total conflicts: 107, Preference conflicts: 12

Total conflicts: 98, Preference conflicts: 17

Populasi awal: [108.0, 113.5, 113.0, 111.0, 115.0, 109.0, 117.0, 106.0, 112.5, 115.0, 97.5, 104.0, 106.5, 113.0, 106.5]

Iterasi 1/30 - Best Fitness: 97.5

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 94, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 94, Preference conflicts: 11

Iterasi 2/30 - Best Fitness: 75.5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 89, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 89, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 63.0

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 13

Iterasi 5/30 - Best Fitness: 57.0

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 93, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 55.5

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 55.5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 51.5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 51.5

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 10

Iterasi 10/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 51.5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 2

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 12

Iterasi 12/30 - Best Fitness: 51.0

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 14

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 51.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 51.0

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 52, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 46, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 51.0

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 51.0

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 4

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 52, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 11

Iterasi 21/30 - Best Fitness: 51.0

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 5

Iterasi 23/30 - Best Fitness: 51.0

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 13

Iterasi 24/30 - Best Fitness: 51.0

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 51.0

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 51.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 51.0

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 45, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 49.5

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 49.5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Optimasi Selesai!

Best Fitness: 49.5

Detail Konflik: {'conflict\_temp\_ids': {128, 7, 10, 15, 145, 148, 20, 150, 152, 153, 27, 30, 32, 33, 34, 163, 164, 165, 37, 166, 41, 42, 45, 47, 53, 54, 55, 66, 67, 73, 78, 80, 82, 88, 89, 90, 95, 100, 106, 110, 115, 117, 118, 119, 127}, 'room\_consistency\_conflicts': [{'temp\_id': 165, 'ruangan': ['4.1.5.62', '4.1.5.61'], 'slot\_ids': [400, 401, 479]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 517]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [517, 14]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 519]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [554, 51]}, {'ruang': '4.1.5.61', 'hari': 'senin', 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[166, 670]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [167, 671]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [671, 168]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [211, 1219]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [211, 1220]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1219, 212]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [212, 1220]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [213, 1221]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [770, 1274]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [770, 1275]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1274, 771]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [771, 1275]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [771, 1276]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1275, 772]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [772, 1276]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [302, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 808]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [818, 315]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 819]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [315, 820]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [819, 316]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [316, 820]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [350, 855]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [351, 855]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [351, 856]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [453, 957]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [454, 958]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [455, 959]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [466, 970]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [467, 971]}, {'ruang': '4.1.5.60', 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Populasi 15, Eksperimen 24/30 selesai

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 13

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 19

Total conflicts: 96, Preference conflicts: 13

Total conflicts: 106, Preference conflicts: 25

Total conflicts: 97, Preference conflicts: 13

Total conflicts: 83, Preference conflicts: 16

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 105, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 16

Total conflicts: 106, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 18

Populasi awal: [111.0, 108.0, 108.5, 108.5, 114.5, 102.5, 118.5, 103.5, 91.0, 89.0, 114.0, 102.0, 115.0, 110.0, 115.0]

Iterasi 1/30 - Best Fitness: 89.0

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 93, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 94, Preference conflicts: 2

Total conflicts: 89, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 78.5

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 18

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 12

Iterasi 3/30 - Best Fitness: 68.0

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 64.0

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 64.0

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 15

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 62.0

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 59.0

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Iterasi 9/30 - Best Fitness: 53.0

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 53.0

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 12

Iterasi 11/30 - Best Fitness: 53.0

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 15

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 53.0

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 53.0

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Iterasi 14/30 - Best Fitness: 53.0

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 53.0

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 53.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Iterasi 17/30 - Best Fitness: 53.0

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 53.0

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 52.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 42, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 45.5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 45.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 45.5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 45.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Iterasi 24/30 - Best Fitness: 45.5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 45.5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 45.5

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 41, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 45.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 44, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 45.0

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 45.0

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 45.0

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 42, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 11

Optimasi Selesai!

Best Fitness: 45.0

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Populasi 15, Eksperimen 25/30 selesai

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 13

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 105, Preference conflicts: 20

Total conflicts: 92, Preference conflicts: 17

Total conflicts: 93, Preference conflicts: 19

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 11

Total conflicts: 89, Preference conflicts: 14

Total conflicts: 82, Preference conflicts: 17

Populasi awal: [104.0, 108.5, 114.5, 108.5, 113.5, 107.5, 105.0, 94.0, 115.0, 100.5, 102.5, 113.5, 102.5, 96.0, 90.5]

Iterasi 1/30 - Best Fitness: 90.5

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 94, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 91, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 72.0

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 89, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 15

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 90, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 6

Iterasi 3/30 - Best Fitness: 70.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 63.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 14

Iterasi 5/30 - Best Fitness: 63.5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 63.5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 63.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 63.5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 54.5

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 52.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 14

Iterasi 11/30 - Best Fitness: 52.5

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 15

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Iterasi 12/30 - Best Fitness: 50.0

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 11

Iterasi 13/30 - Best Fitness: 50.0

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 50.0

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 50.0

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 2

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 50.0

Total conflicts: 39, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 4

Iterasi 17/30 - Best Fitness: 41.5

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 41.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 41.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 41, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Iterasi 20/30 - Best Fitness: 41.5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 41.5

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 41.5

Total conflicts: 59, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 41.5

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 39, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 41.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 2

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 41.5

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 40, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 41.5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 51, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 41.5

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 41.5

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 41.5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 41.5

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 41.5

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 133, 9, 138, 14, 16, 18, 19, 149, 22, 26, 156, 158, 31, 34, 163, 36, 162, 39, 45, 47, 50, 54, 63, 67, 70, 75, 76, 77, 78, 87, 90, 98, 100, 111, 118, 124, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [537, 1041]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 1042]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 1043]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1043, 36]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1087, 80]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [80, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [81, 1089]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [98, 1107]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 1107]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 1108]}, {'ruang': 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{'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [224, 1232]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [237, 741]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [237, 1245]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [238, 742]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [238, 1246]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [239, 743]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [239, 1247]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [747, 244]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [244, 748]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [302, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 808]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [807, 304]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [304, 808]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [829, 326]}, {'ruang': '4.1.5.63', 'hari': 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'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {171, 54, 90, 60, 30}}

Populasi 15, Eksperimen 26/30 selesai

Total conflicts: 88, Preference conflicts: 19

Total conflicts: 96, Preference conflicts: 13

Total conflicts: 99, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 11

Total conflicts: 103, Preference conflicts: 13

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 105, Preference conflicts: 12

Total conflicts: 94, Preference conflicts: 12

Total conflicts: 101, Preference conflicts: 22

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 89, Preference conflicts: 17

Total conflicts: 86, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 93, Preference conflicts: 19

Populasi awal: [97.5, 102.5, 106.0, 102.5, 109.5, 113.0, 113.0, 111.0, 100.0, 112.0, 109.0, 97.5, 94.0, 110.0, 102.5]

Iterasi 1/30 - Best Fitness: 94.0

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 91, Preference conflicts: 5

Total conflicts: 94, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 3

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 75.5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 15

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 12

Iterasi 4/30 - Best Fitness: 70.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 64.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 64.5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 64.5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 60.0

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 60.0

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 57.5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 56.0

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 56.0

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 15

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 56.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 12

Iterasi 14/30 - Best Fitness: 56.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 2

Total conflicts: 55, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 56.0

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 56.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 54.0

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 54.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 14

Iterasi 19/30 - Best Fitness: 54.0

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 54.0

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 54.0

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 54.0

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 54.0

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 54.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 54.0

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 54.0

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 54.0

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 50.0

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 3

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 47.0

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 41, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 44.0

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 44.0

Detail Konflik: {'conflict\_temp\_ids': {129, 131, 134, 136, 9, 138, 139, 140, 11, 14, 16, 23, 24, 153, 156, 158, 33, 36, 165, 37, 39, 45, 47, 50, 52, 53, 54, 55, 62, 64, 66, 67, 78, 82, 88, 94, 100, 109, 117, 122, 126}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [517, 14]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 16]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 76]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [76, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 581]}, {'ruang': 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Populasi 15, Eksperimen 27/30 selesai

Total conflicts: 96, Preference conflicts: 14

Total conflicts: 119, Preference conflicts: 13

Total conflicts: 110, Preference conflicts: 13

Total conflicts: 98, Preference conflicts: 23

Total conflicts: 112, Preference conflicts: 13

Total conflicts: 86, Preference conflicts: 15

Total conflicts: 116, Preference conflicts: 22

Total conflicts: 93, Preference conflicts: 14

Total conflicts: 84, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 13

Total conflicts: 113, Preference conflicts: 19

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 108, Preference conflicts: 18

Populasi awal: [103.0, 125.5, 116.5, 109.5, 118.5, 93.5, 127.0, 100.0, 92.5, 110.5, 122.5, 114.0, 99.0, 104.5, 117.0]

Iterasi 1/30 - Best Fitness: 92.5

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 95, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 94, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 73.0

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 70.5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 58.5

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 58.5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 58.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 58.5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 58.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 3

Iterasi 10/30 - Best Fitness: 56.0

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 1

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 12

Iterasi 11/30 - Best Fitness: 56.0

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Iterasi 12/30 - Best Fitness: 56.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 55.0

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 53.0

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 12

Iterasi 15/30 - Best Fitness: 50.0

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 50.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 14

Iterasi 17/30 - Best Fitness: 50.0

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 5

Iterasi 18/30 - Best Fitness: 50.0

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 4

Iterasi 19/30 - Best Fitness: 47.0

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 2

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 15

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 47.0

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 47.0

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 63, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 47.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 47.0

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Iterasi 24/30 - Best Fitness: 47.0

Total conflicts: 59, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 47.0

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 47.0

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 47.0

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 90, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 11

Iterasi 28/30 - Best Fitness: 47.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 47.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 43, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 47.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 47.0

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 4, 5, 6, 9, 10, 13, 141, 16, 144, 19, 20, 21, 149, 22, 24, 152, 155, 156, 27, 30, 157, 33, 161, 164, 36, 166, 41, 54, 65, 66, 67, 70, 71, 75, 87, 88, 92, 99, 106, 109, 111, 112, 127}, 'room\_consistency\_conflicts': [{'temp\_id': 88, 'ruangan': ['4.1.5.57', '4.1.5.59'], 'slot\_ids': [860, 875, 876]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [{'dosen': 'Jefree Fahana, S.T., M.Kom.', 'hari': 'jumat', 'slot\_ids': [359, 875]}, {'dosen': 'Jefree Fahana, S.T., M.Kom.', 'hari': 'jumat', 'slot\_ids': [360, 876]}], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [9, 513]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 514]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 515]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [549, 1053]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 603]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [99, 604]}, {'ruang': 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224]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [224, 728]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [273, 777]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [274, 778]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [281, 786]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [282, 786]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [847, 344]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [344, 848]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [346, 850]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [429, 1437]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [430, 1438]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [431, 1439]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [445, 950]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [445, 1454]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [446, 950]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [446, 1454]}, {'ruang': 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Populasi 15, Eksperimen 28/30 selesai

Total conflicts: 92, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 19

Total conflicts: 110, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 21

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 102, Preference conflicts: 16

Total conflicts: 94, Preference conflicts: 18

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 107, Preference conflicts: 9

Total conflicts: 97, Preference conflicts: 12

Total conflicts: 109, Preference conflicts: 19

Populasi awal: [100.0, 104.5, 117.5, 104.5, 100.5, 109.5, 108.5, 110.5, 113.5, 110.0, 103.0, 104.0, 111.5, 103.0, 118.5]

Iterasi 1/30 - Best Fitness: 100.0

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 4

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 15

Total conflicts: 88, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 15

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 73.0

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 18

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 90, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 65.5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 9

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Total conflicts: 84, Preference conflicts: 5

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Total conflicts: 75, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 65.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 15

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 61.5

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 5

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Total conflicts: 69, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 61.5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

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Total conflicts: 73, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

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Total conflicts: 78, Preference conflicts: 8

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Total conflicts: 72, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 60.5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 10

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Iterasi 8/30 - Best Fitness: 57.5

Total conflicts: 62, Preference conflicts: 8

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Iterasi 9/30 - Best Fitness: 57.0

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 5

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Total conflicts: 78, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 13

Iterasi 10/30 - Best Fitness: 53.0

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

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Total conflicts: 73, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 4

Iterasi 11/30 - Best Fitness: 53.0

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

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Total conflicts: 82, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 51.5

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

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Total conflicts: 66, Preference conflicts: 11

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Iterasi 13/30 - Best Fitness: 51.5

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

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Total conflicts: 54, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 51.5

Total conflicts: 66, Preference conflicts: 5

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Total conflicts: 69, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

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Total conflicts: 63, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Iterasi 15/30 - Best Fitness: 51.5

Total conflicts: 61, Preference conflicts: 8

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Total conflicts: 69, Preference conflicts: 12

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Total conflicts: 71, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 51.5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 14

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Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 51.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 8

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Total conflicts: 62, Preference conflicts: 6

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Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 5

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Total conflicts: 69, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

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Total conflicts: 60, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 9

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Iterasi 20/30 - Best Fitness: 51.5

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Iterasi 21/30 - Best Fitness: 51.5

Total conflicts: 69, Preference conflicts: 8

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Iterasi 22/30 - Best Fitness: 51.5

Total conflicts: 63, Preference conflicts: 10

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Total conflicts: 59, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 51.5

Total conflicts: 66, Preference conflicts: 4

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Total conflicts: 60, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 7

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Total conflicts: 76, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 51.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

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Total conflicts: 67, Preference conflicts: 8

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Total conflicts: 52, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

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Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

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Total conflicts: 72, Preference conflicts: 10

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Total conflicts: 72, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 50.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

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Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 4

Iterasi 27/30 - Best Fitness: 50.0

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

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Total conflicts: 65, Preference conflicts: 9

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Total conflicts: 68, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 15

Iterasi 28/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 10

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Total conflicts: 70, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 50.0

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 72, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 50.0

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 50.0

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'slot\_ids': [881, 1385]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [417, 921]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [931, 1436]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [932, 1436]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [437, 942]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [454, 958]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [455, 959]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [959, 456]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 987]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 987]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 988]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [987, 484]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [484, 988]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [775, 1279]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1279, 776]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1393, 890]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [890, 1394]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [890, 1395]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1394, 891]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [891, 1395]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1395, 892]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {71, 78, 14, 145, 22, 55, 155, 124}}

Populasi 15, Eksperimen 29/30 selesai

Total conflicts: 88, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 111, Preference conflicts: 18

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 12

Total conflicts: 97, Preference conflicts: 13

Total conflicts: 108, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 14

Total conflicts: 112, Preference conflicts: 19

Total conflicts: 107, Preference conflicts: 17

Total conflicts: 102, Preference conflicts: 16

Total conflicts: 93, Preference conflicts: 19

Total conflicts: 97, Preference conflicts: 12

Total conflicts: 96, Preference conflicts: 12

Populasi awal: [96.5, 106.5, 120.0, 103.5, 106.0, 103.5, 116.0, 105.5, 94.0, 121.5, 115.5, 110.0, 102.5, 103.0, 102.0]

Iterasi 1/30 - Best Fitness: 94.0

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 14

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 75.0

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 69.0

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 64.5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 64.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Iterasi 6/30 - Best Fitness: 63.5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 63.5

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 62.5

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 59.0

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 59.0

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 4

Iterasi 11/30 - Best Fitness: 58.0

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 51.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 51.0

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 14

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 51.0

Total conflicts: 59, Preference conflicts: 1

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 51.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 51.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 51.0

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Iterasi 23/30 - Best Fitness: 51.0

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 12

Iterasi 24/30 - Best Fitness: 51.0

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 50.5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Iterasi 26/30 - Best Fitness: 50.5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 4

Iterasi 27/30 - Best Fitness: 50.5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 50.5

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 48.0

Detail Konflik: {'conflict\_temp\_ids': {2, 4, 133, 6, 7, 13, 14, 148, 20, 23, 151, 24, 154, 156, 157, 158, 32, 34, 163, 36, 165, 166, 41, 171, 45, 47, 50, 51, 57, 58, 60, 62, 65, 69, 70, 75, 79, 80, 82, 94, 99, 101, 102, 116, 126, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [8, 512]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [9, 513]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 514]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [657, 1161]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [658, 1162]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [659, 1163]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1163, 660]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [202, 706]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [203, 707]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [203, 708]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [707, 204]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [204, 708]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [205, 1214]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 1214]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 1215]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1215, 712]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [712, 1216]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [229, 733]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [229, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [229, 1238]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [733, 230]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [733, 1238]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 1238]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 1239]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [734, 1238]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [734, 231]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [734, 1239]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1238, 231]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [1238, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 735]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 1239]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 1240]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [735, 1239]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [735, 1240]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [242, 1251]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [746, 1251]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [243, 1251]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [243, 1252]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 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835]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [331, 836]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [835, 332]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [332, 836]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [1382, 879]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [879, 1383]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [1383, 880]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [381, 885]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [423, 1432]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [927, 1432]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1431, 1432]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [424, 1432]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [928, 1432]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1433, 930]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [930, 1434]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [435, 940]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [962, 1467]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [963, 1467]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [963, 1468]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1467, 964]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [964, 1468]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [965, 1469]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [1469, 966]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [463, 967]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [967, 464]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [465, 969]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 987]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 987]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [483, 988]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [987, 484]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [484, 988]}, {'ruang': 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Populasi 15, Eksperimen 30/30 selesai

Total conflicts: 105, Preference conflicts: 14

Total conflicts: 87, Preference conflicts: 13

Total conflicts: 105, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 11

Total conflicts: 92, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 17

Total conflicts: 86, Preference conflicts: 13

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 14

Total conflicts: 103, Preference conflicts: 14

Total conflicts: 90, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 13

Total conflicts: 107, Preference conflicts: 15

Total conflicts: 119, Preference conflicts: 14

Total conflicts: 103, Preference conflicts: 19

Total conflicts: 85, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 23

Populasi awal: [112.0, 93.5, 113.0, 109.5, 99.0, 102.0, 110.5, 92.5, 103.5, 110.5, 113.0, 110.0, 97.5, 103.5, 105.5, 114.5, 126.0, 112.5, 94.0, 117.5]

Iterasi 1/30 - Best Fitness: 92.5

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 99, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 73.0

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 73.0

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 13

Iterasi 4/30 - Best Fitness: 68.0

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 63.5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 13

Iterasi 6/30 - Best Fitness: 62.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 62.5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 62.0

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 62.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 4

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Total conflicts: 65, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 60.5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 4

Iterasi 11/30 - Best Fitness: 60.5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 10

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Total conflicts: 75, Preference conflicts: 11

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Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 60.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Iterasi 13/30 - Best Fitness: 60.0

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

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Total conflicts: 64, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

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Total conflicts: 60, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 13

Iterasi 14/30 - Best Fitness: 56.0

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

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Total conflicts: 71, Preference conflicts: 4

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Total conflicts: 63, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 52.0

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

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Total conflicts: 77, Preference conflicts: 8

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Total conflicts: 68, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 52.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Iterasi 18/30 - Best Fitness: 52.0

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 52.0

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Iterasi 20/30 - Best Fitness: 52.0

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 51.5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Iterasi 22/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Iterasi 23/30 - Best Fitness: 51.5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 70, Preference conflicts: 5

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 49.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 49.0

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 41, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 43, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 46.0

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 46.0

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 36, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 40.0

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 40.0

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 40, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 40.0

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 12

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 40.0

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 133, 135, 11, 139, 14, 15, 144, 19, 149, 23, 152, 159, 33, 34, 165, 166, 39, 42, 171, 53, 55, 57, 58, 59, 63, 65, 69, 76, 78, 88, 92, 98, 101, 102}, 'room\_consistency\_conflicts': [{'temp\_id': 166, 'ruangan': ['4.1.5.55', '4.1.5.60'], 'slot\_ids': [341, 381, 382]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 538]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 539]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 540]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [566, 1070]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [566, 63]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [566, 1071]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1070, 63]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1070, 567]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [63, 567]}, {'ruang': 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'hari': 'selasa', 'slot\_ids': [1133, 126]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [126, 1134]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [151, 655]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [655, 152]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [163, 667]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [163, 668]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [667, 164]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [164, 668]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [166, 670]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [167, 671]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [167, 672]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [221, 725]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [221, 726]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [725, 222]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [222, 726]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 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1337]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [833, 1338]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [842, 1347]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [843, 1347]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [843, 844]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [843, 1348]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [1347, 844]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [844, 1348]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [341, 845]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [341, 1349]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [341, 846]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [845, 1349]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [1349, 846]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [381, 885]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [382, 886]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [893, 390]}, 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Populasi 20, Eksperimen 1/30 selesai

Total conflicts: 91, Preference conflicts: 17

Total conflicts: 103, Preference conflicts: 7

Total conflicts: 99, Preference conflicts: 19

Total conflicts: 99, Preference conflicts: 18

Total conflicts: 98, Preference conflicts: 22

Total conflicts: 103, Preference conflicts: 14

Total conflicts: 109, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 19

Total conflicts: 104, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 108, Preference conflicts: 16

Total conflicts: 103, Preference conflicts: 18

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 89, Preference conflicts: 19

Total conflicts: 82, Preference conflicts: 16

Total conflicts: 93, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 10

Populasi awal: [99.5, 106.5, 108.5, 108.0, 109.0, 110.0, 117.0, 106.5, 102.5, 104.5, 100.5, 112.5, 109.0, 116.0, 112.0, 104.5, 98.5, 90.0, 101.5, 102.0]

Iterasi 1/30 - Best Fitness: 90.0

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 92, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 3

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 90, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 2

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 14

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 71.5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 74, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 64.0

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 61.5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 61.5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 61.5

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 61.5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

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Total conflicts: 74, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 61.5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 61.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 9

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Total conflicts: 49, Preference conflicts: 5

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Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 51.5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

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Total conflicts: 72, Preference conflicts: 9

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Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 51.5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

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Iterasi 14/30 - Best Fitness: 51.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 15

Total conflicts: 55, Preference conflicts: 7

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Total conflicts: 56, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 4

Iterasi 15/30 - Best Fitness: 50.0

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

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Total conflicts: 64, Preference conflicts: 4

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Total conflicts: 62, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 50.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 74, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Iterasi 17/30 - Best Fitness: 50.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

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Total conflicts: 65, Preference conflicts: 5

Iterasi 18/30 - Best Fitness: 49.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

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Total conflicts: 50, Preference conflicts: 3

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 12

Iterasi 19/30 - Best Fitness: 49.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

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Total conflicts: 59, Preference conflicts: 8

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Total conflicts: 62, Preference conflicts: 9

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Total conflicts: 50, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 49.5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

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Total conflicts: 52, Preference conflicts: 9

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Total conflicts: 75, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 4

Iterasi 21/30 - Best Fitness: 49.5

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 41, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

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Total conflicts: 77, Preference conflicts: 9

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Total conflicts: 72, Preference conflicts: 5

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Total conflicts: 56, Preference conflicts: 8

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Total conflicts: 71, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 43.0

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

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Iterasi 23/30 - Best Fitness: 43.0

Total conflicts: 64, Preference conflicts: 6

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Iterasi 24/30 - Best Fitness: 43.0

Total conflicts: 66, Preference conflicts: 6

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Total conflicts: 75, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 6

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Total conflicts: 68, Preference conflicts: 12

Iterasi 25/30 - Best Fitness: 43.0

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 41, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 6

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Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 43.0

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

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Total conflicts: 73, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

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Total conflicts: 63, Preference conflicts: 10

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Iterasi 27/30 - Best Fitness: 43.0

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 11

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Total conflicts: 65, Preference conflicts: 10

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Total conflicts: 63, Preference conflicts: 6

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Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 43.0

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

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Total conflicts: 68, Preference conflicts: 9

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Total conflicts: 71, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

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Total conflicts: 76, Preference conflicts: 3

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Total conflicts: 55, Preference conflicts: 10

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Total conflicts: 67, Preference conflicts: 8

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Total conflicts: 62, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 12

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

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Total conflicts: 40, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 10

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 43.0

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Populasi 20, Eksperimen 2/30 selesai

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Total conflicts: 103, Preference conflicts: 17

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Total conflicts: 96, Preference conflicts: 18

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Total conflicts: 103, Preference conflicts: 19

Total conflicts: 100, Preference conflicts: 20

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 84, Preference conflicts: 15

Total conflicts: 95, Preference conflicts: 18

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 113, Preference conflicts: 13

Total conflicts: 93, Preference conflicts: 15

Populasi awal: [111.5, 115.5, 109.0, 111.5, 113.5, 103.5, 105.5, 118.5, 105.5, 100.5, 105.0, 106.0, 112.5, 110.0, 113.5, 91.5, 104.0, 102.5, 119.5, 100.5]

Iterasi 1/30 - Best Fitness: 91.5

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 8

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Total conflicts: 83, Preference conflicts: 9

Total conflicts: 90, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 69.0

Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 81, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

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Total conflicts: 69, Preference conflicts: 11

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Total conflicts: 80, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 12

Iterasi 3/30 - Best Fitness: 65.0

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

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Total conflicts: 82, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 63.5

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Total conflicts: 68, Preference conflicts: 7

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Total conflicts: 75, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 61.5

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Total conflicts: 75, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 61.5

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Total conflicts: 71, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 61.0

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 5

Iterasi 8/30 - Best Fitness: 60.5

Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 79, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 59.5

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Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 56.5

Total conflicts: 80, Preference conflicts: 9

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Iterasi 11/30 - Best Fitness: 56.5

Total conflicts: 78, Preference conflicts: 11

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Iterasi 12/30 - Best Fitness: 55.5

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Iterasi 13/30 - Best Fitness: 55.5

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Iterasi 14/30 - Best Fitness: 55.5

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Iterasi 15/30 - Best Fitness: 53.0

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Total conflicts: 62, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Iterasi 16/30 - Best Fitness: 53.0

Total conflicts: 80, Preference conflicts: 10

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Total conflicts: 66, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 53.0

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 74, Preference conflicts: 10

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Iterasi 18/30 - Best Fitness: 53.0

Total conflicts: 86, Preference conflicts: 11

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Total conflicts: 80, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 53.0

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

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Total conflicts: 74, Preference conflicts: 11

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Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 12

Iterasi 20/30 - Best Fitness: 53.0

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

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Total conflicts: 57, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 53.0

Total conflicts: 69, Preference conflicts: 10

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Total conflicts: 58, Preference conflicts: 5

Iterasi 22/30 - Best Fitness: 53.0

Total conflicts: 64, Preference conflicts: 7

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Total conflicts: 59, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 53.0

Total conflicts: 61, Preference conflicts: 5

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Total conflicts: 67, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 46.5

Total conflicts: 56, Preference conflicts: 9

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Iterasi 25/30 - Best Fitness: 46.5

Total conflicts: 60, Preference conflicts: 6

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Iterasi 26/30 - Best Fitness: 46.5

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Total conflicts: 55, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 3

Iterasi 27/30 - Best Fitness: 46.5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 9

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Total conflicts: 57, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 46.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 14

Total conflicts: 42, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Optimasi Selesai!

Best Fitness: 46.5

Detail Konflik: {'conflict\_temp\_ids': {129, 6, 7, 8, 135, 10, 139, 141, 149, 21, 151, 152, 150, 157, 158, 31, 159, 32, 34, 37, 42, 52, 55, 57, 58, 59, 62, 65, 67, 69, 70, 75, 80, 87, 93, 94, 100, 105, 106, 110, 115, 118, 122, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 16]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [16, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [17, 521]}, 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'hari': 'senin', 'slot\_ids': [1082, 579]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 1083]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 1084]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 583]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [583, 80]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [81, 1089]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 92]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [94, 598]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 1111]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [1111, 104]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [147, 652]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [148, 652]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [154, 658]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [155, 659]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [155, 660]}, {'ruang': '4.1.5.62', 'hari': 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1240]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [249, 753]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [806, 303]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 807]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [807, 304]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [953, 450]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [974, 1479]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [975, 1479]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [975, 1480]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [993, 1497]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [994, 1498]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [995, 1499]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1073, 570]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [570, 1074]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [571, 1075]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1075, 572]}], 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Populasi 20, Eksperimen 3/30 selesai

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 86, Preference conflicts: 20

Total conflicts: 104, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 19

Total conflicts: 104, Preference conflicts: 16

Total conflicts: 87, Preference conflicts: 13

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 12

Total conflicts: 106, Preference conflicts: 21

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 18

Total conflicts: 107, Preference conflicts: 12

Total conflicts: 105, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 18

Populasi awal: [104.5, 112.0, 104.5, 106.0, 102.5, 96.0, 112.0, 106.5, 110.5, 112.0, 93.5, 111.0, 107.0, 116.5, 106.5, 99.5, 106.0, 113.0, 114.0, 110.0]

Iterasi 1/30 - Best Fitness: 93.5

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 92, Preference conflicts: 7

Total conflicts: 90, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 94, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 14

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 92, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 3

Iterasi 2/30 - Best Fitness: 72.5

Total conflicts: 78, Preference conflicts: 14

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 86, Preference conflicts: 15

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 5

Iterasi 3/30 - Best Fitness: 59.0

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 91, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 59.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Iterasi 5/30 - Best Fitness: 59.0

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 54.5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 54.5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 54.5

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 2

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 54.5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 12

Iterasi 10/30 - Best Fitness: 54.5

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 54.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 54.5

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 14

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 54.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 54.5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 54.5

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 54.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 13

Iterasi 17/30 - Best Fitness: 54.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 5

Iterasi 18/30 - Best Fitness: 54.0

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 47.5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 47.5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 47.5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 47.5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 47.5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

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Total conflicts: 69, Preference conflicts: 6

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Total conflicts: 56, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 47.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 2

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 47.5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 14

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 47.5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 47.5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 47.5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 47.5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Iterasi 30/30 - Best Fitness: 47.5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 13

Optimasi Selesai!

Best Fitness: 47.5

Detail Konflik: {'conflict\_temp\_ids': {128, 131, 4, 133, 134, 9, 10, 139, 14, 20, 22, 23, 150, 151, 26, 156, 30, 163, 165, 41, 45, 47, 51, 52, 57, 58, 65, 66, 80, 82, 87, 88, 89, 92, 94, 105, 106, 108, 112, 115, 116, 117, 119, 122}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [58, 562]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [59, 563]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [563, 60]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [1095, 592]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [89, 593]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [89, 594]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [593, 90]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [90, 594]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 607]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 608]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [607, 104]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [104, 608]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [185, 689]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [185, 690]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [689, 186]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [186, 690]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [187, 691]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [187, 692]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [189, 693]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [190, 1198]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [191, 1199]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [191, 1200]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [198, 702]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 703]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 704]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [703, 200]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [200, 704]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [209, 1217]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [209, 1218]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1217, 210]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1217, 714]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [210, 1218]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [714, 1218]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [211, 1219]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [715, 1219]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1219, 716]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [758, 255]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [758, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [255, 759]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [255, 760]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [759, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [759, 256]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [759, 1264]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1263, 760]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [256, 760]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [760, 1264]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [281, 786]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [282, 786]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [283, 787]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [283, 788]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [793, 290]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [290, 794]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [290, 795]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [794, 291]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 795]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [802, 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Populasi 20, Eksperimen 4/30 selesai

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 13

Total conflicts: 106, Preference conflicts: 11

Total conflicts: 109, Preference conflicts: 19

Total conflicts: 105, Preference conflicts: 14

Total conflicts: 93, Preference conflicts: 18

Total conflicts: 90, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 18

Total conflicts: 82, Preference conflicts: 15

Total conflicts: 107, Preference conflicts: 18

Total conflicts: 103, Preference conflicts: 18

Total conflicts: 116, Preference conflicts: 18

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 19

Total conflicts: 108, Preference conflicts: 20

Total conflicts: 91, Preference conflicts: 17

Total conflicts: 105, Preference conflicts: 19

Total conflicts: 101, Preference conflicts: 11

Total conflicts: 92, Preference conflicts: 17

Populasi awal: [113.5, 102.5, 111.5, 118.5, 112.0, 102.0, 97.5, 105.5, 107.0, 89.5, 116.0, 112.0, 125.0, 107.5, 110.5, 118.0, 99.5, 114.5, 106.5, 100.5]

Iterasi 1/30 - Best Fitness: 89.5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 94, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 73.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 15

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 2

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 66.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 7

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Iterasi 5/30 - Best Fitness: 62.0

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Total conflicts: 79, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 55.5

Total conflicts: 70, Preference conflicts: 10

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Total conflicts: 74, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 54.0

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Total conflicts: 73, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 54.0

Total conflicts: 71, Preference conflicts: 9

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Total conflicts: 68, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

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Total conflicts: 63, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 13

Iterasi 9/30 - Best Fitness: 54.0

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Total conflicts: 86, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 54.0

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Iterasi 11/30 - Best Fitness: 53.5

Total conflicts: 64, Preference conflicts: 6

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Iterasi 12/30 - Best Fitness: 53.5

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Total conflicts: 60, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 4

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Total conflicts: 66, Preference conflicts: 11

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Iterasi 14/30 - Best Fitness: 53.5

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Iterasi 15/30 - Best Fitness: 53.5

Total conflicts: 51, Preference conflicts: 8

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Iterasi 16/30 - Best Fitness: 53.5

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Iterasi 17/30 - Best Fitness: 53.5

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Iterasi 18/30 - Best Fitness: 53.5

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Iterasi 19/30 - Best Fitness: 53.5

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Iterasi 20/30 - Best Fitness: 53.5

Total conflicts: 63, Preference conflicts: 5

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Iterasi 21/30 - Best Fitness: 48.0

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Iterasi 22/30 - Best Fitness: 48.0

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Iterasi 23/30 - Best Fitness: 36.5

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Iterasi 24/30 - Best Fitness: 36.5

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Iterasi 25/30 - Best Fitness: 36.5

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Iterasi 26/30 - Best Fitness: 36.5

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Iterasi 27/30 - Best Fitness: 36.5

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Iterasi 28/30 - Best Fitness: 36.5

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Iterasi 29/30 - Best Fitness: 36.5

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Iterasi 30/30 - Best Fitness: 36.5

Total conflicts: 63, Preference conflicts: 9

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Optimasi Selesai!

Best Fitness: 36.5

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Populasi 20, Eksperimen 5/30 selesai

Total conflicts: 96, Preference conflicts: 19

Total conflicts: 106, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 21

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 112, Preference conflicts: 13

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 13

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 97, Preference conflicts: 11

Total conflicts: 101, Preference conflicts: 12

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 13

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 90, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 13

Total conflicts: 106, Preference conflicts: 11

Total conflicts: 103, Preference conflicts: 18

Total conflicts: 116, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 14

Populasi awal: [105.5, 115.0, 114.5, 111.0, 118.5, 102.5, 98.5, 109.0, 102.5, 107.0, 113.5, 105.5, 102.5, 98.5, 105.5, 111.5, 112.0, 123.5, 104.5, 99.0]

Iterasi 1/30 - Best Fitness: 98.5

Total conflicts: 87, Preference conflicts: 6

Total conflicts: 94, Preference conflicts: 7

Total conflicts: 92, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 95, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 74.5

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 69.0

Total conflicts: 79, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 85, Preference conflicts: 9

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Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 12

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 90, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 64.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 92, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 64.0

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

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Total conflicts: 62, Preference conflicts: 8

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Total conflicts: 73, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 62.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

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Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 76, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 60.5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 60.5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 5

Iterasi 10/30 - Best Fitness: 55.0

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

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Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 55.0

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

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Total conflicts: 73, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

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Total conflicts: 73, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 54.5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

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Total conflicts: 76, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 5

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Total conflicts: 64, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 54.5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

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Total conflicts: 70, Preference conflicts: 5

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Total conflicts: 82, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 2

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 54.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

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Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Iterasi 15/30 - Best Fitness: 54.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

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Total conflicts: 63, Preference conflicts: 5

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Total conflicts: 77, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 12

Iterasi 16/30 - Best Fitness: 54.5

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

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Total conflicts: 75, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 52.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

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Total conflicts: 77, Preference conflicts: 7

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Total conflicts: 90, Preference conflicts: 8

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Total conflicts: 76, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 52.0

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 13

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Total conflicts: 48, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

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Total conflicts: 70, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 10

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 87, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 12

Iterasi 21/30 - Best Fitness: 51.0

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 51.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 50.0

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 40, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 45.0

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 45.0

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 11

Iterasi 28/30 - Best Fitness: 45.0

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 38, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 41.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 44, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 44, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 41.5

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 5

Optimasi Selesai!

Best Fitness: 41.5

Detail Konflik: {'conflict\_temp\_ids': {1, 2, 133, 6, 135, 10, 14, 19, 20, 23, 151, 32, 161, 33, 162, 34, 37, 165, 39, 171, 47, 51, 54, 62, 65, 78, 79, 80, 82, 94, 98, 100, 101, 106, 109, 110, 112, 126}, 'room\_consistency\_conflicts': [{'temp\_id': 161, 'ruangan': ['4.1.5.60', '4.1.5.59'], 'slot\_ids': [865, 866, 883]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 1023]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 1024]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 1023]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 16]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 1024]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1023, 16]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1023, 520]}, 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'hari': 'senin', 'slot\_ids': [1046, 39]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1046, 543]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 543]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 1047]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [39, 544]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [543, 1047]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [543, 40]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1047, 40]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1047, 544]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [40, 544]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [45, 549]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [46, 550]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [47, 551]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [47, 552]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [135, 1143]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [135, 1144]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [1143, 136]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [136, 1144]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [137, 1145]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [142, 1150]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [143, 1151]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [143, 1152]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [1151, 144]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [144, 1152]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [669, 1173]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [713, 1217]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [713, 1218]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1217, 714]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [714, 1218]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [718, 1222]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [215, 719]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [215, 720]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [719, 1223]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [719, 216]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1223, 720]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [216, 720]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [226, 1234]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [227, 1235]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [227, 1236]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [242, 747]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [243, 747]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [243, 748]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [777, 1281]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [778, 1282]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [779, 1283]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1283, 780]}, 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'4.1.5.59', 'hari': 'rabu', 'slot\_ids': [706, 1210]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {161, 65, 41, 155, 52, 118, 91}}

Populasi 20, Eksperimen 6/30 selesai

Total conflicts: 111, Preference conflicts: 17

Total conflicts: 105, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 114, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 113, Preference conflicts: 20

Total conflicts: 91, Preference conflicts: 12

Total conflicts: 103, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 13

Total conflicts: 95, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 13

Total conflicts: 93, Preference conflicts: 18

Total conflicts: 110, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 97, Preference conflicts: 17

Populasi awal: [119.5, 113.5, 99.5, 122.5, 103.0, 102.0, 123.0, 97.0, 111.0, 104.5, 104.0, 109.0, 109.5, 113.0, 110.5, 102.0, 119.5, 111.5, 113.0, 105.5]

Iterasi 1/30 - Best Fitness: 97.0

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 92, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 93, Preference conflicts: 5

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 13

Iterasi 3/30 - Best Fitness: 75.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 3

Iterasi 4/30 - Best Fitness: 72.0

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 59.5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 59.5

Total conflicts: 64, Preference conflicts: 16

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 59.5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 93, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Iterasi 8/30 - Best Fitness: 56.0

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

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Total conflicts: 69, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 56.0

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 8

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Total conflicts: 72, Preference conflicts: 15

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 56.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 14

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 56.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

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Total conflicts: 72, Preference conflicts: 7

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Total conflicts: 76, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 52.0

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

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Total conflicts: 53, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Iterasi 13/30 - Best Fitness: 52.0

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 3

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Total conflicts: 76, Preference conflicts: 5

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Iterasi 14/30 - Best Fitness: 52.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 11

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Total conflicts: 66, Preference conflicts: 6

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Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

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Total conflicts: 74, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 52.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

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Total conflicts: 53, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 5

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Total conflicts: 64, Preference conflicts: 8

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Total conflicts: 58, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

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Total conflicts: 74, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 52.0

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 11

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Total conflicts: 55, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

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Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 51.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 77, Preference conflicts: 4

Iterasi 19/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 74, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 6

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Total conflicts: 70, Preference conflicts: 7

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Total conflicts: 57, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 49.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 4

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Total conflicts: 45, Preference conflicts: 9

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Total conflicts: 85, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 49.5

Total conflicts: 63, Preference conflicts: 10

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Iterasi 23/30 - Best Fitness: 49.5

Total conflicts: 66, Preference conflicts: 5

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Iterasi 24/30 - Best Fitness: 49.5

Total conflicts: 66, Preference conflicts: 15

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Total conflicts: 63, Preference conflicts: 12

Iterasi 25/30 - Best Fitness: 49.5

Total conflicts: 58, Preference conflicts: 11

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Total conflicts: 62, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

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Iterasi 26/30 - Best Fitness: 49.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

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Iterasi 27/30 - Best Fitness: 49.5

Total conflicts: 59, Preference conflicts: 5

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Iterasi 28/30 - Best Fitness: 48.0

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 9

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Total conflicts: 71, Preference conflicts: 8

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Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

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Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 4

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Total conflicts: 69, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 55, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

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Total conflicts: 60, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 48.0

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Populasi 20, Eksperimen 7/30 selesai

Total conflicts: 101, Preference conflicts: 21

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 12

Total conflicts: 90, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 19

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 20

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 19

Total conflicts: 108, Preference conflicts: 19

Total conflicts: 114, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 91, Preference conflicts: 13

Total conflicts: 96, Preference conflicts: 20

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 105, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 18

Populasi awal: [111.5, 107.5, 107.0, 98.0, 106.5, 106.5, 110.0, 104.0, 107.0, 114.5, 117.5, 121.5, 104.0, 103.5, 113.0, 97.5, 106.0, 108.5, 113.0, 109.0]

Iterasi 1/30 - Best Fitness: 97.5

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 90, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 98, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 87, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 73.5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 90, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 92, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 15

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 71.0

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 15

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 67.0

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 62.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 5

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Total conflicts: 72, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 62.0

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 62.0

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 9

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Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 14

Iterasi 8/30 - Best Fitness: 61.0

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

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Total conflicts: 71, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 61.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

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Total conflicts: 74, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 5

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Total conflicts: 67, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 60.5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

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Total conflicts: 75, Preference conflicts: 8

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Total conflicts: 74, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 60.0

Total conflicts: 59, Preference conflicts: 9

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Total conflicts: 61, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

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Total conflicts: 60, Preference conflicts: 8

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Total conflicts: 64, Preference conflicts: 9

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Total conflicts: 79, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 60.0

Total conflicts: 51, Preference conflicts: 3

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Total conflicts: 75, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 52.5

Total conflicts: 55, Preference conflicts: 9

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Total conflicts: 70, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

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Total conflicts: 53, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 52.5

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 12

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Total conflicts: 63, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

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Total conflicts: 70, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 52.5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

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Total conflicts: 72, Preference conflicts: 8

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Total conflicts: 84, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 11

Iterasi 16/30 - Best Fitness: 52.5

Total conflicts: 70, Preference conflicts: 10

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Total conflicts: 53, Preference conflicts: 9

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Total conflicts: 57, Preference conflicts: 8

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Total conflicts: 59, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 52.5

Total conflicts: 65, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 52.5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

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Total conflicts: 45, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 49.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

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Total conflicts: 71, Preference conflicts: 10

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Total conflicts: 58, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Iterasi 20/30 - Best Fitness: 49.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

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Total conflicts: 57, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 11

Iterasi 21/30 - Best Fitness: 49.5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

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Total conflicts: 70, Preference conflicts: 10

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Total conflicts: 76, Preference conflicts: 9

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Total conflicts: 55, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 49.5

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 12

Iterasi 23/30 - Best Fitness: 49.5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 49.5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 49.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 49.5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 49.5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 49.5

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 15

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 3

Iterasi 29/30 - Best Fitness: 49.5

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 49.5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 49.5

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Populasi 20, Eksperimen 8/30 selesai

Total conflicts: 108, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 22

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 17

Total conflicts: 107, Preference conflicts: 16

Total conflicts: 107, Preference conflicts: 14

Total conflicts: 94, Preference conflicts: 19

Total conflicts: 99, Preference conflicts: 14

Total conflicts: 111, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 20

Total conflicts: 107, Preference conflicts: 14

Total conflicts: 106, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 90, Preference conflicts: 13

Populasi awal: [115.0, 108.0, 103.5, 117.0, 91.0, 107.5, 109.5, 115.0, 114.0, 103.5, 106.0, 120.0, 111.5, 111.0, 114.0, 113.5, 114.0, 109.5, 111.5, 96.5]

Iterasi 1/30 - Best Fitness: 91.0

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Iterasi 2/30 - Best Fitness: 70.5

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 92, Preference conflicts: 13

Total conflicts: 90, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 93, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 70.5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 68.5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 2

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 93, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 56.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 92, Preference conflicts: 14

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 5

Iterasi 6/30 - Best Fitness: 56.5

Total conflicts: 79, Preference conflicts: 15

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Iterasi 7/30 - Best Fitness: 56.5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 56.5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 56.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 56.5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 56.5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

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Total conflicts: 66, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 54.0

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 7

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Total conflicts: 81, Preference conflicts: 9

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Total conflicts: 67, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 54.0

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 54.0

Total conflicts: 62, Preference conflicts: 17

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 16

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 2

Total conflicts: 69, Preference conflicts: 13

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 52.0

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 52.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

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Total conflicts: 71, Preference conflicts: 9

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Total conflicts: 62, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 5

Iterasi 18/30 - Best Fitness: 52.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

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Total conflicts: 59, Preference conflicts: 5

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Total conflicts: 74, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 49.0

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 49.0

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Iterasi 21/30 - Best Fitness: 49.0

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 13

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 49.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 10

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Total conflicts: 65, Preference conflicts: 8

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Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 40, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 44.0

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

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Total conflicts: 67, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 44.0

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 9

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Total conflicts: 62, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 44.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 37, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 42.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 7

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Total conflicts: 57, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 42.0

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 40, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 42.0

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 13

Total conflicts: 53, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 42.0

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 40, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

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Total conflicts: 62, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Iterasi 30/30 - Best Fitness: 42.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 39, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 3

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Total conflicts: 82, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 42.0

Detail Konflik: {'conflict\_temp\_ids': {132, 133, 6, 9, 11, 140, 19, 148, 21, 150, 151, 152, 27, 156, 34, 165, 39, 171, 45, 47, 52, 53, 54, 57, 59, 66, 68, 69, 77, 80, 82, 88, 89, 111, 117, 119, 122}, 'room\_consistency\_conflicts': [{'temp\_id': 117, 'ruangan': ['4.1.5.63', '4.1.5.59'], 'slot\_ids': [27, 412, 413]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [519, 16]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [16, 520]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [663, 160]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [160, 664]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [161, 665]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [665, 162]}, {'ruang': 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Populasi 20, Eksperimen 9/30 selesai

Total conflicts: 103, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 12

Total conflicts: 96, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 84, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 22

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 12

Total conflicts: 99, Preference conflicts: 10

Total conflicts: 92, Preference conflicts: 7

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Total conflicts: 108, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 13

Total conflicts: 83, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 13

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Total conflicts: 104, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 15

Populasi awal: [110.0, 107.0, 105.0, 109.5, 93.0, 115.0, 107.0, 104.0, 104.0, 95.5, 115.0, 116.5, 102.5, 91.5, 108.0, 106.5, 116.0, 112.5, 104.0, 102.5]

Iterasi 1/30 - Best Fitness: 91.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 11

Iterasi 2/30 - Best Fitness: 72.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 5

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 84, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 66.0

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 13

Iterasi 5/30 - Best Fitness: 66.0

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 12

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Total conflicts: 75, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 66.0

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

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Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 12

Iterasi 7/30 - Best Fitness: 66.0

Total conflicts: 87, Preference conflicts: 7

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Total conflicts: 72, Preference conflicts: 9

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Total conflicts: 80, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 61, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

Iterasi 8/30 - Best Fitness: 57.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 10

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Total conflicts: 72, Preference conflicts: 12

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Total conflicts: 53, Preference conflicts: 11

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Total conflicts: 73, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 57.0

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

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Total conflicts: 78, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 11

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Total conflicts: 59, Preference conflicts: 13

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Total conflicts: 73, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Iterasi 10/30 - Best Fitness: 57.0

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

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Total conflicts: 75, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

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Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

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Iterasi 11/30 - Best Fitness: 57.0

Total conflicts: 62, Preference conflicts: 13

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Total conflicts: 62, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

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Total conflicts: 73, Preference conflicts: 10

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Total conflicts: 64, Preference conflicts: 3

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Total conflicts: 74, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 57.0

Total conflicts: 68, Preference conflicts: 3

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Iterasi 13/30 - Best Fitness: 57.0

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Total conflicts: 57, Preference conflicts: 6

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Total conflicts: 59, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 12

Iterasi 14/30 - Best Fitness: 56.0

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

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Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 75, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Iterasi 15/30 - Best Fitness: 55.5

Total conflicts: 70, Preference conflicts: 7

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Total conflicts: 82, Preference conflicts: 9

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Total conflicts: 67, Preference conflicts: 6

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Total conflicts: 75, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 14

Iterasi 16/30 - Best Fitness: 55.5

Total conflicts: 62, Preference conflicts: 8

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Total conflicts: 64, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 8

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Total conflicts: 78, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 48.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

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Total conflicts: 71, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 7

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Total conflicts: 66, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 4

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Total conflicts: 60, Preference conflicts: 11

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

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Total conflicts: 74, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 11

Iterasi 18/30 - Best Fitness: 48.0

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 15

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

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Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 48.0

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

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Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

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Total conflicts: 74, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 48.0

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 2

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 41, Preference conflicts: 7

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Total conflicts: 49, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 2

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

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Total conflicts: 65, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

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Total conflicts: 63, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 44.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 40, Preference conflicts: 7

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Total conflicts: 59, Preference conflicts: 6

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Total conflicts: 71, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 43.5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 10

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Total conflicts: 63, Preference conflicts: 7

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Total conflicts: 72, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 2

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 43.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 42, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

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Total conflicts: 60, Preference conflicts: 4

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Total conflicts: 64, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 43.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

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Total conflicts: 62, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 43.5

Total conflicts: 63, Preference conflicts: 11

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Total conflicts: 55, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 13

Iterasi 27/30 - Best Fitness: 43.5

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 42, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

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Total conflicts: 66, Preference conflicts: 5

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Iterasi 28/30 - Best Fitness: 43.5

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 47, Preference conflicts: 8

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Total conflicts: 66, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 43.5

Total conflicts: 67, Preference conflicts: 7

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Total conflicts: 55, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 41.0

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 44, Preference conflicts: 3

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 42, Preference conflicts: 6

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Total conflicts: 76, Preference conflicts: 10

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Total conflicts: 58, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 41.0

Detail Konflik: {'conflict\_temp\_ids': {1, 7, 136, 10, 139, 138, 13, 15, 144, 16, 20, 149, 22, 24, 153, 30, 159, 32, 33, 37, 42, 49, 51, 53, 58, 59, 66, 67, 68, 71, 79, 80, 87, 88, 89, 98, 112, 118, 122}, 'room\_consistency\_conflicts': [{'temp\_id': 149, 'ruangan': ['4.1.5.57', '4.1.5.61'], 'slot\_ids': [1399, 1400, 1448]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [13, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 518]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [14, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [518, 15]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 519]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 523]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 524]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 20]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [20, 524]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 532]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [537, 1041]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [538, 1042]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1082, 579]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 1083]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 1084]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1083, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [580, 1084]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [581, 582]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [90, 594]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 595]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 596]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [595, 92]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [92, 596]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 128]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [128, 632]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [129, 633]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [141, 645]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [142, 646]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [701, 1205]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [1205, 702]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [703, 200]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [715, 212]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [212, 716]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [213, 717]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [229, 733]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [229, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [733, 230]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 734]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [230, 735]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [262, 766]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [263, 767]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [263, 768]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [302, 1311]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 1311]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [303, 1312]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [1311, 304]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [304, 1312]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [361, 1369]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [361, 1370]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1369, 362]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [362, 1370]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [362, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [362, 1371]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1370, 363]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1370, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [363, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [363, 1371]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [363, 868]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [867, 1371]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [1371, 868]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [944, 1448]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [945, 1449]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [946, 1450]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [443, 1451]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [1451, 444]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [478, 982]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [479, 983]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [983, 480]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1003]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1004]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1003, 500]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [500, 1004]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {82, 116, 149, 15}}

Populasi 20, Eksperimen 10/30 selesai

Total conflicts: 99, Preference conflicts: 19

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 99, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 109, Preference conflicts: 17

Total conflicts: 102, Preference conflicts: 13

Total conflicts: 85, Preference conflicts: 14

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 18

Total conflicts: 98, Preference conflicts: 10

Total conflicts: 103, Preference conflicts: 12

Total conflicts: 103, Preference conflicts: 20

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 107, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 107, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 117, Preference conflicts: 21

Total conflicts: 101, Preference conflicts: 18

Populasi awal: [108.5, 99.0, 108.0, 111.0, 117.5, 108.5, 92.0, 99.0, 114.0, 103.0, 109.0, 113.0, 108.5, 116.0, 108.0, 114.0, 103.0, 108.5, 127.5, 110.0]

Iterasi 1/30 - Best Fitness: 92.0

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 91, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 91, Preference conflicts: 2

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 62.0

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 89, Preference conflicts: 13

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 13

Total conflicts: 87, Preference conflicts: 13

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 59.5

Total conflicts: 69, Preference conflicts: 2

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 59.5

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 12

Iterasi 5/30 - Best Fitness: 59.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 59.5

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 91, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 59.5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Iterasi 8/30 - Best Fitness: 53.5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 53.5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Iterasi 10/30 - Best Fitness: 53.5

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 16

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 53.5

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

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Total conflicts: 83, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 53.5

Total conflicts: 61, Preference conflicts: 4

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 53.5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

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Total conflicts: 67, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

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Total conflicts: 57, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 53.5

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 12

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Total conflicts: 66, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 53.5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

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Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 4

Iterasi 17/30 - Best Fitness: 53.5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 14

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Total conflicts: 65, Preference conflicts: 5

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Total conflicts: 75, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 52.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 11

Iterasi 19/30 - Best Fitness: 52.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 3

Iterasi 20/30 - Best Fitness: 52.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 51.5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 51.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 51.5

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 51.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 51.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 14

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Iterasi 26/30 - Best Fitness: 51.5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Iterasi 27/30 - Best Fitness: 51.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 49.0

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 11

Iterasi 29/30 - Best Fitness: 49.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 49.0

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 44, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 15

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 42, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 49.0

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 132, 5, 6, 134, 8, 135, 10, 139, 133, 141, 9, 144, 18, 149, 21, 155, 158, 159, 32, 161, 162, 164, 37, 165, 39, 171, 45, 51, 54, 56, 57, 65, 71, 75, 90, 98, 99, 100, 102, 110, 118, 126, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [9, 1017]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 1018]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 1019]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 16]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [16, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [17, 521]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [17, 522]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [521, 18]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [18, 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'4.1.5.59', 'hari': 'rabu', 'slot\_ids': [198, 702]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [199, 703]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [703, 200]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [710, 207]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [207, 711]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [711, 208]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [209, 714]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [214, 1222]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [215, 1223]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1223, 216]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [759, 1264]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 763]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [259, 764]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [763, 260]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [260, 764]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 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Populasi 20, Eksperimen 11/30 selesai

Total conflicts: 109, Preference conflicts: 20

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 107, Preference conflicts: 11

Total conflicts: 112, Preference conflicts: 17

Total conflicts: 105, Preference conflicts: 12

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 105, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 13

Total conflicts: 99, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 17

Total conflicts: 91, Preference conflicts: 12

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 16

Total conflicts: 110, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 20

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 97, Preference conflicts: 19

Total conflicts: 92, Preference conflicts: 16

Total conflicts: 90, Preference conflicts: 12

Total conflicts: 96, Preference conflicts: 21

Populasi awal: [119.0, 108.0, 112.5, 120.5, 111.0, 101.5, 113.5, 110.5, 108.0, 109.5, 97.0, 111.5, 112.0, 117.0, 111.0, 93.5, 106.5, 100.0, 96.0, 106.5]

Iterasi 1/30 - Best Fitness: 93.5

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 89, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 69.5

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 15

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 13

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 16

Iterasi 3/30 - Best Fitness: 69.5

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 67.0

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 65.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 60.5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 60.5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 60.5

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 60.5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Iterasi 10/30 - Best Fitness: 60.5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 60.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 54.0

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Iterasi 13/30 - Best Fitness: 54.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

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Total conflicts: 85, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 54.0

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Iterasi 15/30 - Best Fitness: 54.0

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Iterasi 16/30 - Best Fitness: 54.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 51.0

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 2

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 51.0

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 46, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 42, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 44.5

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 44.5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 2

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 44.5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Iterasi 24/30 - Best Fitness: 44.5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 44.5

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 4

Iterasi 26/30 - Best Fitness: 44.5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Iterasi 27/30 - Best Fitness: 44.5

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 14

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 44.5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 44.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 43, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 44.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 39, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 14

Optimasi Selesai!

Best Fitness: 44.5

Detail Konflik: {'conflict\_temp\_ids': {4, 133, 132, 6, 8, 9, 138, 11, 140, 10, 141, 16, 19, 21, 151, 152, 25, 154, 27, 155, 158, 159, 41, 171, 45, 52, 53, 58, 59, 75, 76, 80, 94, 95, 98, 108, 110, 111, 115, 116, 118, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 1010]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [2, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1010, 3]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 1011]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [3, 1012]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1011, 4]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [4, 1012]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [15, 16]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [16, 520]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [17, 521]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [17, 522]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [521, 18]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [18, 522]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 556]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 556]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [52, 556]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 1120]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [616, 1120]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [641, 138]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [138, 642]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [139, 643]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [643, 140]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [157, 662]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [158, 662]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [158, 663]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [662, 159]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [159, 663]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [159, 160]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [159, 664]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [663, 160]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [160, 664]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [161, 665]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [161, 666]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [665, 162]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [162, 666]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [249, 1257]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [250, 1258]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [274, 778]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [275, 779]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [275, 780]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [823, 1327]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [1327, 824]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [343, 847]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [343, 848]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [847, 344]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [344, 848]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [871, 368]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [368, 872]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [369, 873]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [370, 874]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [382, 886]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [886, 1390]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [454, 958]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [455, 959]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [455, 960]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [490, 994]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [491, 995]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [491, 996]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [533, 1038]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [534, 1038]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [537, 1041]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [538, 1042]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [539, 1043]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [689, 1194]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [690, 1194]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [975, 1480]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {138, 75, 82, 23, 159}}

Populasi 20, Eksperimen 12/30 selesai

Total conflicts: 99, Preference conflicts: 23

Total conflicts: 108, Preference conflicts: 19

Total conflicts: 105, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 19

Total conflicts: 91, Preference conflicts: 13

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 19

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 94, Preference conflicts: 19

Total conflicts: 88, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 10

Total conflicts: 108, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 12

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 109, Preference conflicts: 13

Total conflicts: 111, Preference conflicts: 13

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 94, Preference conflicts: 16

Populasi awal: [110.5, 117.5, 113.0, 110.5, 97.5, 105.0, 103.5, 111.0, 111.5, 102.5, 103.5, 96.0, 103.0, 115.0, 103.0, 109.0, 115.5, 117.5, 106.0, 102.0]

Iterasi 1/30 - Best Fitness: 96.0

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 71.0

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 92, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

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Iterasi 3/30 - Best Fitness: 68.5

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Total conflicts: 76, Preference conflicts: 3

Iterasi 4/30 - Best Fitness: 65.5

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Total conflicts: 71, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 58.0

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Total conflicts: 69, Preference conflicts: 11

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Total conflicts: 66, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

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Total conflicts: 67, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 73, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 58.0

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Iterasi 7/30 - Best Fitness: 58.0

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Iterasi 8/30 - Best Fitness: 58.0

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Iterasi 9/30 - Best Fitness: 58.0

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Total conflicts: 66, Preference conflicts: 14

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Iterasi 10/30 - Best Fitness: 58.0

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Total conflicts: 60, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 58.0

Total conflicts: 64, Preference conflicts: 7

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Total conflicts: 58, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 56.5

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Total conflicts: 63, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 4

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Total conflicts: 60, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 56.5

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Iterasi 14/30 - Best Fitness: 54.0

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Iterasi 15/30 - Best Fitness: 54.0

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Iterasi 16/30 - Best Fitness: 40.0

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Iterasi 17/30 - Best Fitness: 40.0

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Iterasi 18/30 - Best Fitness: 40.0

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Iterasi 19/30 - Best Fitness: 40.0

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Iterasi 20/30 - Best Fitness: 37.0

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Iterasi 21/30 - Best Fitness: 37.0

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Iterasi 22/30 - Best Fitness: 37.0

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Iterasi 23/30 - Best Fitness: 37.0

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Iterasi 24/30 - Best Fitness: 37.0

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Iterasi 25/30 - Best Fitness: 37.0

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Iterasi 26/30 - Best Fitness: 37.0

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Iterasi 27/30 - Best Fitness: 37.0

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Iterasi 28/30 - Best Fitness: 37.0

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Iterasi 29/30 - Best Fitness: 37.0

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Iterasi 30/30 - Best Fitness: 37.0

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Optimasi Selesai!

Best Fitness: 37.0

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'slot\_ids': [76, 580]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [76, 1084]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [580, 1084]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 581]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [77, 1085]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [581, 1085]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [109, 613]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [109, 614]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [109, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [613, 110]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [613, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 614]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [110, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 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'slot\_ids': [155, 660]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [178, 682]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [179, 683]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [209, 713]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [209, 714]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [713, 210]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [210, 714]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [723, 220]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [220, 724]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [241, 746]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [242, 746]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [242, 747]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [746, 243]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [243, 747]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [243, 748]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [749, 1253]}, {'ruang': 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Populasi 20, Eksperimen 13/30 selesai

Total conflicts: 103, Preference conflicts: 12

Total conflicts: 99, Preference conflicts: 19

Total conflicts: 88, Preference conflicts: 19

Total conflicts: 94, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 10

Total conflicts: 97, Preference conflicts: 18

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 18

Total conflicts: 91, Preference conflicts: 12

Total conflicts: 88, Preference conflicts: 17

Total conflicts: 105, Preference conflicts: 11

Total conflicts: 117, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 13

Total conflicts: 95, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 18

Total conflicts: 95, Preference conflicts: 23

Total conflicts: 104, Preference conflicts: 22

Total conflicts: 86, Preference conflicts: 15

Populasi awal: [109.0, 108.5, 97.5, 101.0, 106.0, 106.0, 104.5, 106.0, 97.0, 96.5, 110.5, 124.0, 111.0, 102.5, 102.5, 104.0, 103.0, 106.5, 115.0, 93.5]

Iterasi 1/30 - Best Fitness: 93.5

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 4

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 4

Iterasi 2/30 - Best Fitness: 64.0

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 12

Iterasi 3/30 - Best Fitness: 64.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 83, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 61.0

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 51.5

Total conflicts: 87, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Iterasi 7/30 - Best Fitness: 51.5

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 51.5

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 51.5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 51.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 4

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Total conflicts: 79, Preference conflicts: 15

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 48.5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

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Total conflicts: 67, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 7

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Total conflicts: 65, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 48.5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 4

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Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 9

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Total conflicts: 74, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 48.5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 3

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Total conflicts: 56, Preference conflicts: 11

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Total conflicts: 56, Preference conflicts: 4

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Total conflicts: 71, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 48.5

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

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Total conflicts: 68, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 48.5

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 14

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 48.5

Total conflicts: 55, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 6

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Total conflicts: 72, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 5

Iterasi 17/30 - Best Fitness: 48.5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

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Total conflicts: 60, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 48.5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 2

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 48.5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 48.5

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 44, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 48, Preference conflicts: 6

Iterasi 21/30 - Best Fitness: 47.0

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 11

Iterasi 22/30 - Best Fitness: 47.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 47.0

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

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Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 47.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 47.0

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 47.0

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 47.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 46, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 47.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 47.0

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 15

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 4

Iterasi 30/30 - Best Fitness: 47.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 47.0

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 132, 6, 135, 8, 134, 139, 11, 140, 18, 19, 149, 23, 153, 157, 30, 158, 164, 165, 41, 49, 52, 53, 54, 56, 57, 58, 65, 67, 73, 76, 78, 88, 94, 95, 98, 105, 110, 111, 115, 119, 126, 127}, 'room\_consistency\_conflicts': [{'temp\_id': 95, 'ruangan': ['4.1.5.55', '4.1.5.59'], 'slot\_ids': [343, 450, 451]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [31, 32]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 1111]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 608]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [103, 1112]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [1111, 104]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [1111, 608]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [104, 608]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [104, 1112]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [608, 1112]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [105, 609]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [675, 172]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [703, 1207]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [703, 1208]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [1207, 704]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [704, 1208]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [214, 718]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [215, 719]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [741, 1245]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [742, 1246]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [743, 1247]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [247, 752]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [248, 752]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [753, 1257]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [754, 1258]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1267, 260]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [260, 1268]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [794, 291]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 795]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 796]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [795, 292]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [795, 796]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [292, 796]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [293, 797]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [293, 798]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [309, 1317]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [310, 1318]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [819, 316]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [316, 820]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [317, 821]}, {'ruang': 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Populasi 20, Eksperimen 14/30 selesai

Total conflicts: 107, Preference conflicts: 17

Total conflicts: 97, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 12

Total conflicts: 104, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 14

Total conflicts: 110, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 16

Total conflicts: 94, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 94, Preference conflicts: 16

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 11

Total conflicts: 108, Preference conflicts: 19

Total conflicts: 92, Preference conflicts: 16

Total conflicts: 109, Preference conflicts: 15

Total conflicts: 84, Preference conflicts: 18

Total conflicts: 108, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 108, Preference conflicts: 19

Populasi awal: [115.5, 105.5, 106.0, 113.5, 110.0, 118.5, 103.0, 110.0, 102.0, 101.5, 102.0, 110.5, 109.5, 117.5, 100.0, 116.5, 93.0, 117.0, 111.5, 117.5]

Iterasi 1/30 - Best Fitness: 93.0

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 89, Preference conflicts: 11

Total conflicts: 89, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 4

Iterasi 2/30 - Best Fitness: 76.5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 70.0

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 56.0

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 52.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 52.5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 2

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 52.5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 52.5

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

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Total conflicts: 68, Preference conflicts: 9

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Total conflicts: 80, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 52.5

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

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Total conflicts: 73, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 6

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Total conflicts: 69, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 52.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 11

Iterasi 11/30 - Best Fitness: 49.0

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 6

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Total conflicts: 70, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Iterasi 12/30 - Best Fitness: 48.0

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 4

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Total conflicts: 74, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 48.0

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 13

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Total conflicts: 83, Preference conflicts: 8

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Iterasi 14/30 - Best Fitness: 48.0

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

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Total conflicts: 69, Preference conflicts: 4

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 48.0

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

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Total conflicts: 67, Preference conflicts: 10

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Total conflicts: 66, Preference conflicts: 9

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Total conflicts: 73, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 48.0

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 48.0

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 12

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Total conflicts: 63, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 4

Iterasi 18/30 - Best Fitness: 48.0

Total conflicts: 72, Preference conflicts: 2

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 5

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Total conflicts: 51, Preference conflicts: 7

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Total conflicts: 64, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 48.0

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

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Total conflicts: 56, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 3

Iterasi 20/30 - Best Fitness: 48.0

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 3

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Total conflicts: 74, Preference conflicts: 7

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Total conflicts: 56, Preference conflicts: 12

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 6

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Total conflicts: 59, Preference conflicts: 4

Iterasi 22/30 - Best Fitness: 45.5

Total conflicts: 82, Preference conflicts: 9

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Total conflicts: 72, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 43.0

Total conflicts: 66, Preference conflicts: 11

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Total conflicts: 69, Preference conflicts: 12

Iterasi 24/30 - Best Fitness: 43.0

Total conflicts: 61, Preference conflicts: 4

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Total conflicts: 75, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 43.0

Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 62, Preference conflicts: 9

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Total conflicts: 68, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 43.0

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

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Total conflicts: 46, Preference conflicts: 6

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Total conflicts: 60, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 43.0

Total conflicts: 67, Preference conflicts: 4

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Total conflicts: 72, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 43.0

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

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Total conflicts: 66, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 10

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

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Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 3

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Total conflicts: 64, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 4

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Total conflicts: 57, Preference conflicts: 3

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Total conflicts: 57, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 43.0

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150, 23, 63}}

Populasi 20, Eksperimen 15/30 selesai

Total conflicts: 96, Preference conflicts: 20

Total conflicts: 112, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 105, Preference conflicts: 19

Total conflicts: 111, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 20

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 16

Total conflicts: 110, Preference conflicts: 16

Total conflicts: 106, Preference conflicts: 14

Total conflicts: 86, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 106, Preference conflicts: 23

Total conflicts: 107, Preference conflicts: 11

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 13

Total conflicts: 107, Preference conflicts: 10

Total conflicts: 100, Preference conflicts: 18

Populasi awal: [106.0, 121.0, 111.0, 114.5, 118.0, 112.0, 108.0, 112.0, 118.0, 113.0, 94.0, 104.0, 107.5, 109.0, 117.5, 112.5, 102.0, 106.5, 112.0, 109.0]

Iterasi 1/30 - Best Fitness: 94.0

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 93, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 68.0

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 92, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 68.0

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 2

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 59.5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 90, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 59.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

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Total conflicts: 65, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

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Total conflicts: 68, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 57.0

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

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Total conflicts: 69, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 15

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 57.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 52.5

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 52.5

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 6

Total conflicts: 92, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 52.5

Total conflicts: 54, Preference conflicts: 2

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 12

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Total conflicts: 67, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 7

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Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 52.5

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 10

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Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 13

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Total conflicts: 80, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 52.5

Total conflicts: 46, Preference conflicts: 4

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Total conflicts: 58, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

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Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

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Total conflicts: 70, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Iterasi 13/30 - Best Fitness: 48.0

Total conflicts: 46, Preference conflicts: 9

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Total conflicts: 67, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 54, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 12

Iterasi 14/30 - Best Fitness: 48.0

Total conflicts: 45, Preference conflicts: 10

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Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 7

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Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 48.0

Total conflicts: 37, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 74, Preference conflicts: 5

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Total conflicts: 64, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 39.0

Total conflicts: 44, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

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Total conflicts: 69, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

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Total conflicts: 69, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 39.0

Total conflicts: 37, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

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Total conflicts: 67, Preference conflicts: 6

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Total conflicts: 68, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 7

Iterasi 18/30 - Best Fitness: 39.0

Total conflicts: 43, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

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Total conflicts: 66, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 39.0

Total conflicts: 42, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 8

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Total conflicts: 65, Preference conflicts: 8

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Total conflicts: 61, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Iterasi 20/30 - Best Fitness: 39.0

Total conflicts: 49, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

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Total conflicts: 64, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 39.0

Total conflicts: 43, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 39.0

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 39.0

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

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Total conflicts: 64, Preference conflicts: 6

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Total conflicts: 67, Preference conflicts: 10

Iterasi 24/30 - Best Fitness: 39.0

Total conflicts: 68, Preference conflicts: 7

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Total conflicts: 68, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 39.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

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Total conflicts: 75, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 39.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Iterasi 27/30 - Best Fitness: 39.0

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 39.0

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 11

Iterasi 29/30 - Best Fitness: 39.0

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 39, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 39.0

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 40, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 45, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 39.0

Detail Konflik: {'conflict\_temp\_ids': {6, 135, 9, 10, 18, 149, 150, 151, 152, 153, 26, 155, 156, 32, 36, 41, 50, 51, 54, 55, 58, 59, 66, 71, 75, 76, 87, 88, 90, 91, 94, 105, 109, 118, 122, 125, 127}, 'room\_consistency\_conflicts': [{'temp\_id': 109, 'ruangan': ['4.1.5.61', '4.1.5.59'], 'slot\_ids': [812, 865, 866]}, {'temp\_id': 122, 'ruangan': ['4.1.5.61', '4.1.5.59'], 'slot\_ids': [813, 814, 870]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [{'dosen': 'Nuril Anwar, S.T., M.Kom.', 'hari': 'kamis', 'slot\_ids': [814, 1786]}], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [33, 537]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [34, 538]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [35, 539]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [115, 620]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1181, 678]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [678, 1182]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [679, 1183]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [1183, 680]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [249, 753]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [773, 1278]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [774, 1278]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [775, 1279]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [775, 1280]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [281, 786]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [282, 786]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [283, 787]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [283, 788]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [287, 791]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [830, 327]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [327, 831]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [831, 328]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [358, 862]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [358, 1366]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [359, 1367]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [359, 1368]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [1367, 360]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [360, 1368]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [897, 1401]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [394, 1402]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [395, 1403]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1403, 396]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [901, 398]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [398, 902]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [398, 903]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [902, 399]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [399, 903]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [903, 400]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [418, 922]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [419, 923]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [923, 420]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [425, 1434]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [426, 1434]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [1435, 932]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [932, 1436]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [451, 955]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [451, 956]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [955, 452]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [452, 956]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 1028]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [524, 1028]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [525, 1029]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [526, 1030]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {32, 122, 82, 127}}

Populasi 20, Eksperimen 16/30 selesai

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 84, Preference conflicts: 20

Total conflicts: 103, Preference conflicts: 18

Total conflicts: 103, Preference conflicts: 14

Total conflicts: 105, Preference conflicts: 12

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 111, Preference conflicts: 22

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 111, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 19

Total conflicts: 86, Preference conflicts: 17

Total conflicts: 110, Preference conflicts: 16

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 107, Preference conflicts: 19

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 115, Preference conflicts: 18

Populasi awal: [108.0, 111.0, 94.0, 112.0, 110.0, 111.0, 105.0, 107.5, 122.0, 107.0, 120.0, 115.5, 94.5, 118.0, 99.0, 116.5, 99.5, 104.0, 111.5, 124.0]

Iterasi 1/30 - Best Fitness: 94.0

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 96, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 70.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 15

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 12

Total conflicts: 91, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 15

Iterasi 3/30 - Best Fitness: 64.0

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 16

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 63.0

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 62.5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Iterasi 6/30 - Best Fitness: 62.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 62.5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Iterasi 8/30 - Best Fitness: 48.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 12

Iterasi 9/30 - Best Fitness: 48.0

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Iterasi 10/30 - Best Fitness: 48.0

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 48.0

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Iterasi 12/30 - Best Fitness: 48.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 48.0

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 48.0

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 15

Total conflicts: 82, Preference conflicts: 12

Iterasi 15/30 - Best Fitness: 48.0

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 48.0

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 48.0

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 93, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 45, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 48.0

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Iterasi 19/30 - Best Fitness: 48.0

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 48.0

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 5

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 43, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 46.5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 37, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 42.0

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 42.0

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 42.0

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 16

Total conflicts: 52, Preference conflicts: 12

Iterasi 26/30 - Best Fitness: 42.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 15

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 42, Preference conflicts: 3

Iterasi 27/30 - Best Fitness: 42.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 46, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 42.0

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 42.0

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 42.0

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Optimasi Selesai!

Best Fitness: 42.0

Detail Konflik: {'conflict\_temp\_ids': {131, 6, 11, 15, 144, 19, 23, 154, 27, 155, 159, 33, 162, 164, 165, 45, 47, 54, 55, 56, 57, 59, 65, 67, 68, 70, 76, 77, 88, 94, 95, 99, 110, 116, 118, 124, 126}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [21, 1029]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [22, 526]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [22, 1030]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [526, 1030]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 527]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 1031]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [23, 528]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [527, 1031]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [1031, 528]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 545]}, {'ruang': '4.1.5.60', 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Populasi 20, Eksperimen 17/30 selesai

Total conflicts: 93, Preference conflicts: 18

Total conflicts: 92, Preference conflicts: 22

Total conflicts: 95, Preference conflicts: 20

Total conflicts: 98, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 14

Total conflicts: 91, Preference conflicts: 11

Total conflicts: 104, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 22

Total conflicts: 105, Preference conflicts: 14

Total conflicts: 98, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 16

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 12

Total conflicts: 100, Preference conflicts: 14

Total conflicts: 108, Preference conflicts: 13

Total conflicts: 109, Preference conflicts: 16

Total conflicts: 99, Preference conflicts: 12

Populasi awal: [102.0, 103.0, 105.0, 107.0, 110.5, 99.0, 96.5, 112.5, 112.0, 112.0, 105.5, 113.0, 107.5, 111.0, 107.0, 103.0, 107.0, 114.5, 117.0, 105.0]

Iterasi 1/30 - Best Fitness: 96.5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 3

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 95, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 15

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Iterasi 3/30 - Best Fitness: 66.5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 6

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 64.0

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 61.0

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 59.0

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Iterasi 8/30 - Best Fitness: 59.0

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

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Total conflicts: 61, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Iterasi 9/30 - Best Fitness: 55.0

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 5

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Total conflicts: 74, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 12

Iterasi 10/30 - Best Fitness: 47.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 47.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 7

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Total conflicts: 69, Preference conflicts: 4

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Iterasi 12/30 - Best Fitness: 47.5

Total conflicts: 68, Preference conflicts: 8

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Total conflicts: 55, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

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Iterasi 13/30 - Best Fitness: 47.5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

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Iterasi 14/30 - Best Fitness: 47.5

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 11

Iterasi 15/30 - Best Fitness: 47.5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 13

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Total conflicts: 63, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

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Iterasi 16/30 - Best Fitness: 47.5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 43, Preference conflicts: 8

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Total conflicts: 60, Preference conflicts: 7

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Total conflicts: 68, Preference conflicts: 8

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Iterasi 17/30 - Best Fitness: 47.0

Total conflicts: 51, Preference conflicts: 9

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Iterasi 18/30 - Best Fitness: 47.0

Total conflicts: 64, Preference conflicts: 8

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Iterasi 19/30 - Best Fitness: 47.0

Total conflicts: 61, Preference conflicts: 8

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Iterasi 20/30 - Best Fitness: 40.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 44, Preference conflicts: 9

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Total conflicts: 60, Preference conflicts: 6

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Total conflicts: 62, Preference conflicts: 11

Iterasi 21/30 - Best Fitness: 40.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 41, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

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Total conflicts: 70, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 40.0

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

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Total conflicts: 83, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 7

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Iterasi 23/30 - Best Fitness: 40.0

Total conflicts: 67, Preference conflicts: 9

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Iterasi 24/30 - Best Fitness: 40.0

Total conflicts: 59, Preference conflicts: 10

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Total conflicts: 60, Preference conflicts: 9

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Total conflicts: 61, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 12

Iterasi 25/30 - Best Fitness: 40.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 5

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Total conflicts: 59, Preference conflicts: 11

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Total conflicts: 60, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 40.0

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

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Total conflicts: 44, Preference conflicts: 8

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Iterasi 27/30 - Best Fitness: 40.0

Total conflicts: 63, Preference conflicts: 7

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Total conflicts: 75, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

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Iterasi 28/30 - Best Fitness: 40.0

Total conflicts: 54, Preference conflicts: 9

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Total conflicts: 71, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Iterasi 29/30 - Best Fitness: 40.0

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

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Total conflicts: 71, Preference conflicts: 7

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Total conflicts: 55, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Iterasi 30/30 - Best Fitness: 40.0

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 5

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Total conflicts: 63, Preference conflicts: 5

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Total conflicts: 57, Preference conflicts: 8

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Total conflicts: 72, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 5

Optimasi Selesai!

Best Fitness: 40.0

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Populasi 20, Eksperimen 18/30 selesai

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Total conflicts: 97, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 14

Total conflicts: 105, Preference conflicts: 12

Total conflicts: 93, Preference conflicts: 16

Total conflicts: 106, Preference conflicts: 11

Total conflicts: 96, Preference conflicts: 18

Total conflicts: 110, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 20

Total conflicts: 112, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 12

Total conflicts: 90, Preference conflicts: 19

Total conflicts: 97, Preference conflicts: 10

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 113, Preference conflicts: 22

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 19

Total conflicts: 99, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 14

Populasi awal: [119.0, 105.0, 103.0, 111.0, 101.0, 111.5, 105.0, 117.5, 105.0, 104.0, 119.5, 111.0, 99.5, 102.0, 108.0, 124.0, 103.5, 108.5, 107.0, 109.0]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 92, Preference conflicts: 10

Total conflicts: 96, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 75.5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 14

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 17

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 70.0

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

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Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 15

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 68.5

Total conflicts: 90, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

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Total conflicts: 76, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

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Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 62.0

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

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Total conflicts: 64, Preference conflicts: 7

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Total conflicts: 75, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 62.0

Total conflicts: 80, Preference conflicts: 9

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Total conflicts: 82, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

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Total conflicts: 76, Preference conflicts: 9

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Total conflicts: 76, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 6

Iterasi 7/30 - Best Fitness: 62.0

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 47, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 10

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Total conflicts: 76, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Iterasi 8/30 - Best Fitness: 51.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 14

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Total conflicts: 54, Preference conflicts: 7

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Total conflicts: 81, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 51.0

Total conflicts: 73, Preference conflicts: 10

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Total conflicts: 73, Preference conflicts: 12

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Total conflicts: 76, Preference conflicts: 6

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Total conflicts: 78, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 80, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 51.0

Total conflicts: 77, Preference conflicts: 4

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Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

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Total conflicts: 64, Preference conflicts: 12

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Total conflicts: 79, Preference conflicts: 7

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Total conflicts: 62, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 4

Iterasi 11/30 - Best Fitness: 51.0

Total conflicts: 72, Preference conflicts: 8

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Total conflicts: 68, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Iterasi 12/30 - Best Fitness: 51.0

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Total conflicts: 66, Preference conflicts: 6

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Iterasi 13/30 - Best Fitness: 51.0

Total conflicts: 81, Preference conflicts: 7

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Total conflicts: 69, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 51.0

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 87, Preference conflicts: 13

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Total conflicts: 75, Preference conflicts: 10

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Total conflicts: 55, Preference conflicts: 8

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Total conflicts: 67, Preference conflicts: 9

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Total conflicts: 53, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 11

Iterasi 15/30 - Best Fitness: 51.0

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 4

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Total conflicts: 69, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 75, Preference conflicts: 7

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Total conflicts: 73, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 11

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Total conflicts: 61, Preference conflicts: 3

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Total conflicts: 72, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 51.0

Total conflicts: 71, Preference conflicts: 11

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Total conflicts: 81, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

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Total conflicts: 69, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 51.0

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 61, Preference conflicts: 10

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Total conflicts: 68, Preference conflicts: 12

Iterasi 19/30 - Best Fitness: 51.0

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 12

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Total conflicts: 76, Preference conflicts: 10

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Total conflicts: 63, Preference conflicts: 8

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Total conflicts: 73, Preference conflicts: 5

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Total conflicts: 54, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 51.0

Total conflicts: 84, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

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Total conflicts: 69, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Iterasi 21/30 - Best Fitness: 51.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

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Total conflicts: 77, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

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Total conflicts: 57, Preference conflicts: 13

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Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Iterasi 22/30 - Best Fitness: 51.0

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

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Total conflicts: 63, Preference conflicts: 9

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Total conflicts: 72, Preference conflicts: 7

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Total conflicts: 52, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Iterasi 23/30 - Best Fitness: 51.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

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Total conflicts: 69, Preference conflicts: 8

Iterasi 24/30 - Best Fitness: 51.0

Total conflicts: 73, Preference conflicts: 4

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Total conflicts: 65, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 50.0

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 46, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 49.0

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 46, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 15

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 49.0

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 38, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 43, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 14

Total conflicts: 60, Preference conflicts: 0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 5

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Total conflicts: 60, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 89, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 33, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 43.0

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 131, 4, 133, 6, 7, 8, 9, 140, 14, 150, 24, 152, 158, 32, 161, 34, 37, 51, 53, 54, 57, 60, 67, 68, 71, 73, 79, 82, 87, 88, 91, 94, 95, 98, 115, 116}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 547]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 548]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [568, 1072]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [569, 1073]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [569, 1074]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1073, 570]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [570, 1074]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [100, 604]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [101, 605]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [101, 606]}, {'ruang': '4.1.5.57', 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Populasi 20, Eksperimen 19/30 selesai

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 103, Preference conflicts: 13

Total conflicts: 102, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 17

Total conflicts: 103, Preference conflicts: 13

Total conflicts: 119, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 13

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 20

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 16

Total conflicts: 91, Preference conflicts: 18

Total conflicts: 90, Preference conflicts: 13

Total conflicts: 109, Preference conflicts: 21

Total conflicts: 105, Preference conflicts: 10

Total conflicts: 105, Preference conflicts: 18

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 87, Preference conflicts: 12

Total conflicts: 97, Preference conflicts: 18

Populasi awal: [114.0, 109.5, 111.0, 114.5, 109.5, 127.0, 106.5, 113.0, 114.0, 99.5, 112.0, 100.0, 96.5, 119.5, 110.0, 114.0, 105.0, 109.0, 93.0, 106.0]

Iterasi 1/30 - Best Fitness: 93.0

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 88, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 3

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 74.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 92, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 71.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 71.0

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 90, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 68.0

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 60.5

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 60.5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Iterasi 8/30 - Best Fitness: 59.0

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 55.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 2

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 55.5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 11

Iterasi 11/30 - Best Fitness: 53.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 15

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 53.5

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Iterasi 13/30 - Best Fitness: 50.5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 6

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Total conflicts: 58, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 4

Iterasi 14/30 - Best Fitness: 50.5

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 6

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Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 50.5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

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Total conflicts: 65, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 3

Iterasi 16/30 - Best Fitness: 49.0

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 47.0

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

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Total conflicts: 60, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Iterasi 18/30 - Best Fitness: 47.0

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 14

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 11

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Total conflicts: 65, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 47.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 47.0

Total conflicts: 69, Preference conflicts: 2

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 13

Total conflicts: 53, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 47.0

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Iterasi 22/30 - Best Fitness: 47.0

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 45, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 10

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Total conflicts: 60, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 6

Iterasi 23/30 - Best Fitness: 47.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 9

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Total conflicts: 60, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

Iterasi 24/30 - Best Fitness: 47.0

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 41, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 44.0

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 45, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 37, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 45, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 10

Iterasi 26/30 - Best Fitness: 40.0

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 1

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 2

Total conflicts: 71, Preference conflicts: 2

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 40.0

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

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Total conflicts: 50, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 15

Iterasi 28/30 - Best Fitness: 40.0

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 40.0

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 14

Iterasi 30/30 - Best Fitness: 40.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 9

Optimasi Selesai!

Best Fitness: 40.0

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Populasi 20, Eksperimen 20/30 selesai

Total conflicts: 101, Preference conflicts: 19

Total conflicts: 91, Preference conflicts: 18

Total conflicts: 109, Preference conflicts: 19

Total conflicts: 117, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 112, Preference conflicts: 15

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 107, Preference conflicts: 17

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 11

Total conflicts: 101, Preference conflicts: 19

Total conflicts: 105, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 12

Total conflicts: 91, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 108, Preference conflicts: 14

Total conflicts: 112, Preference conflicts: 20

Populasi awal: [110.5, 100.0, 118.5, 124.5, 108.5, 119.5, 109.5, 101.5, 103.0, 115.5, 102.5, 101.5, 110.5, 112.5, 107.0, 98.5, 99.0, 101.5, 115.0, 122.0]

Iterasi 1/30 - Best Fitness: 98.5

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 95, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 14

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 4

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 5

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Iterasi 2/30 - Best Fitness: 74.5

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Total conflicts: 80, Preference conflicts: 12

Iterasi 3/30 - Best Fitness: 65.0

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Total conflicts: 84, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 65.0

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Total conflicts: 73, Preference conflicts: 6

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Total conflicts: 74, Preference conflicts: 7

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Total conflicts: 79, Preference conflicts: 10

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Iterasi 5/30 - Best Fitness: 61.0

Total conflicts: 90, Preference conflicts: 9

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Total conflicts: 75, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 5

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Total conflicts: 62, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 61.0

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Iterasi 7/30 - Best Fitness: 61.0

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Total conflicts: 64, Preference conflicts: 9

Iterasi 8/30 - Best Fitness: 45.0

Total conflicts: 68, Preference conflicts: 11

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Iterasi 9/30 - Best Fitness: 45.0

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Iterasi 10/30 - Best Fitness: 45.0

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Total conflicts: 68, Preference conflicts: 12

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Total conflicts: 69, Preference conflicts: 10

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Total conflicts: 64, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 45.0

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

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Total conflicts: 74, Preference conflicts: 9

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Total conflicts: 84, Preference conflicts: 12

Iterasi 12/30 - Best Fitness: 45.0

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 5

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Iterasi 13/30 - Best Fitness: 45.0

Total conflicts: 64, Preference conflicts: 10

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Iterasi 14/30 - Best Fitness: 45.0

Total conflicts: 68, Preference conflicts: 6

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Iterasi 15/30 - Best Fitness: 45.0

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Iterasi 16/30 - Best Fitness: 45.0

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Iterasi 17/30 - Best Fitness: 45.0

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Iterasi 18/30 - Best Fitness: 45.0

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Iterasi 19/30 - Best Fitness: 45.0

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Iterasi 20/30 - Best Fitness: 45.0

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Iterasi 21/30 - Best Fitness: 45.0

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Iterasi 22/30 - Best Fitness: 45.0

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Iterasi 23/30 - Best Fitness: 45.0

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Iterasi 24/30 - Best Fitness: 45.0

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Iterasi 25/30 - Best Fitness: 45.0

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Iterasi 26/30 - Best Fitness: 45.0

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Iterasi 27/30 - Best Fitness: 45.0

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Iterasi 28/30 - Best Fitness: 45.0

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Iterasi 29/30 - Best Fitness: 45.0

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Iterasi 30/30 - Best Fitness: 45.0

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Optimasi Selesai!

Best Fitness: 45.0

Detail Konflik: {'conflict\_temp\_ids': {128, 1, 131, 132, 6, 8, 9, 10, 139, 141, 18, 149, 150, 22, 26, 157, 158, 32, 161, 162, 34, 165, 166, 171, 45, 54, 56, 60, 65, 66, 71, 76, 90, 92, 93, 98, 99, 100, 111, 112, 118}, 'room\_consistency\_conflicts': [{'temp\_id': 166, 'ruangan': ['4.1.5.62', '4.1.5.60'], 'slot\_ids': [290, 291, 401]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [62, 566]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [62, 567]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [566, 63]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [63, 567]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [63, 568]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [567, 64]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [64, 568]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 571]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 572]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 1076]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [571, 68]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [571, 1076]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [68, 572]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [68, 1076]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [572, 1076]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [69, 1077]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [89, 593]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [593, 90]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [667, 1171]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [667, 1172]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [1171, 668]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [668, 1172]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [669, 1173]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [173, 678]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [174, 678]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [175, 679]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [175, 680]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [709, 206]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [709, 1214]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 710]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 1214]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 711]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 1215]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [710, 1214]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [710, 207]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [710, 1215]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1214, 207]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1214, 711]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [207, 711]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [207, 1215]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [207, 1216]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [711, 1215]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [711, 208]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [711, 1216]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [1215, 208]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [208, 1216]}, {'ruang': '4.1.5.61', 'hari': 'rabu', 'slot\_ids': [723, 724]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [747, 244]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [245, 246]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [247, 751]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [247, 752]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [751, 248]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [248, 752]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [265, 1273]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [265, 1274]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1273, 266]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 1274]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 771]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 1275]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1274, 267]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1274, 771]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [267, 771]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [267, 1275]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [267, 772]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [771, 1275]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [1275, 772]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [291, 292]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [357, 1365]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [401, 1409]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [401, 1410]}, {'ruang': 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Populasi 20, Eksperimen 21/30 selesai

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 92, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 90, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 89, Preference conflicts: 12

Total conflicts: 107, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 13

Total conflicts: 104, Preference conflicts: 22

Total conflicts: 98, Preference conflicts: 21

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 107, Preference conflicts: 16

Total conflicts: 115, Preference conflicts: 11

Total conflicts: 95, Preference conflicts: 11

Total conflicts: 93, Preference conflicts: 20

Total conflicts: 95, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 18

Total conflicts: 99, Preference conflicts: 13

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 16

Populasi awal: [110.5, 100.5, 114.0, 97.0, 102.0, 95.0, 115.0, 110.5, 115.0, 108.5, 104.5, 115.0, 120.5, 100.5, 103.0, 104.0, 115.0, 105.5, 103.5, 99.0]

Iterasi 1/30 - Best Fitness: 95.0

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 71.5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Iterasi 3/30 - Best Fitness: 66.0

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 2

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 91, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 91, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 62.0

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Iterasi 5/30 - Best Fitness: 60.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 60.5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 60.5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 2

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 55.0

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 15

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 55.0

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

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Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 55.0

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 55.0

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 6

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Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 55.0

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 53.0

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

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Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 50.0

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 4

Iterasi 15/30 - Best Fitness: 49.0

Total conflicts: 41, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 45.5

Total conflicts: 42, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 3

Iterasi 17/30 - Best Fitness: 45.5

Total conflicts: 40, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 3

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

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Total conflicts: 65, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 42.0

Total conflicts: 41, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Iterasi 19/30 - Best Fitness: 42.0

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Iterasi 20/30 - Best Fitness: 42.0

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 48, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 42.0

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 42.0

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 10

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Total conflicts: 76, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 42.0

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

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Total conflicts: 70, Preference conflicts: 10

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Total conflicts: 70, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 42.0

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 42.0

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Iterasi 26/30 - Best Fitness: 42.0

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 15

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 2

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Iterasi 27/30 - Best Fitness: 42.0

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 2

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 15

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 5

Iterasi 28/30 - Best Fitness: 42.0

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 42.0

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 2

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 42.0

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 4

Optimasi Selesai!

Best Fitness: 42.0

Detail Konflik: {'conflict\_temp\_ids': {1, 2, 131, 6, 138, 139, 11, 140, 14, 15, 16, 145, 18, 148, 23, 154, 27, 158, 31, 37, 165, 39, 171, 50, 56, 59, 62, 63, 77, 78, 79, 82, 87, 88, 89, 100, 110, 115, 117, 124}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [19, 1028]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [20, 1028]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [525, 1029]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [526, 1030]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [543, 1048]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [544, 1048]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1085, 582]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [582, 1086]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 595]}, {'ruang': '4.1.5.55', 'hari': 'selasa', 'slot\_ids': [91, 596]}, 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Populasi 20, Eksperimen 22/30 selesai

Total conflicts: 104, Preference conflicts: 11

Total conflicts: 98, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 18

Total conflicts: 110, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 17

Total conflicts: 95, Preference conflicts: 18

Total conflicts: 103, Preference conflicts: 23

Total conflicts: 95, Preference conflicts: 19

Total conflicts: 98, Preference conflicts: 19

Total conflicts: 89, Preference conflicts: 20

Total conflicts: 107, Preference conflicts: 19

Total conflicts: 85, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 20

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 99, Preference conflicts: 15

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 115, Preference conflicts: 9

Total conflicts: 98, Preference conflicts: 17

Populasi awal: [109.5, 105.5, 112.0, 118.5, 107.5, 104.0, 114.5, 104.5, 107.5, 99.0, 116.5, 92.0, 111.0, 109.5, 114.5, 110.0, 106.5, 109.0, 119.5, 106.5]

Iterasi 1/30 - Best Fitness: 92.0

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 90, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 91, Preference conflicts: 4

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 74.5

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 91, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Iterasi 3/30 - Best Fitness: 72.0

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 96, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 69.0

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 14

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 64.0

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 12

Iterasi 6/30 - Best Fitness: 64.0

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 51.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 15

Total conflicts: 75, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 51.5

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 51.5

Total conflicts: 91, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 51.5

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 51.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 51.0

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Iterasi 13/30 - Best Fitness: 51.0

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

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Iterasi 14/30 - Best Fitness: 51.0

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

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Total conflicts: 70, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

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Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 56, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 51.0

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

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Total conflicts: 62, Preference conflicts: 11

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Total conflicts: 67, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 51.0

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

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Total conflicts: 63, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 50.0

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

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Total conflicts: 58, Preference conflicts: 8

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Total conflicts: 64, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 50.0

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

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Total conflicts: 68, Preference conflicts: 11

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Total conflicts: 68, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

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Total conflicts: 60, Preference conflicts: 9

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Total conflicts: 64, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 48.0

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

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Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 48.0

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 48.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 4

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Total conflicts: 60, Preference conflicts: 5

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Iterasi 23/30 - Best Fitness: 48.0

Total conflicts: 64, Preference conflicts: 5

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Iterasi 24/30 - Best Fitness: 48.0

Total conflicts: 60, Preference conflicts: 7

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Total conflicts: 83, Preference conflicts: 5

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Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 48.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

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Total conflicts: 54, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

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Total conflicts: 80, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 12

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Total conflicts: 51, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 3

Iterasi 26/30 - Best Fitness: 48.0

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

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Total conflicts: 63, Preference conflicts: 10

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Total conflicts: 63, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 10

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Total conflicts: 50, Preference conflicts: 6

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Total conflicts: 56, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Iterasi 27/30 - Best Fitness: 48.0

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

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Total conflicts: 52, Preference conflicts: 9

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Total conflicts: 64, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 48.0

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

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Total conflicts: 45, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 12

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Total conflicts: 48, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Iterasi 29/30 - Best Fitness: 48.0

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 7

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Total conflicts: 65, Preference conflicts: 11

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Total conflicts: 55, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 48.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

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Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

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Total conflicts: 61, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Optimasi Selesai!

Best Fitness: 48.0

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Populasi 20, Eksperimen 23/30 selesai

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Total conflicts: 95, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 19

Total conflicts: 102, Preference conflicts: 23

Total conflicts: 95, Preference conflicts: 17

Total conflicts: 107, Preference conflicts: 11

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Total conflicts: 99, Preference conflicts: 15

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Total conflicts: 107, Preference conflicts: 17

Total conflicts: 104, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 11

Total conflicts: 100, Preference conflicts: 16

Populasi awal: [111.0, 102.5, 100.5, 113.5, 103.5, 112.5, 110.0, 99.0, 104.0, 112.5, 119.0, 109.5, 105.5, 106.5, 101.0, 101.0, 115.5, 112.0, 102.5, 108.0]

Iterasi 1/30 - Best Fitness: 99.0

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Total conflicts: 84, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 6

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Total conflicts: 81, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 11

Iterasi 2/30 - Best Fitness: 66.5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

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Total conflicts: 72, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 5

Iterasi 3/30 - Best Fitness: 66.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 3

Total conflicts: 75, Preference conflicts: 4

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Total conflicts: 83, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

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Total conflicts: 70, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 14

Iterasi 4/30 - Best Fitness: 60.5

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 11

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Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 4

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Total conflicts: 80, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 60.5

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

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Total conflicts: 62, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

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Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 67, Preference conflicts: 9

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Total conflicts: 54, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 61, Preference conflicts: 5

Iterasi 6/30 - Best Fitness: 57.5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

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Total conflicts: 73, Preference conflicts: 13

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Total conflicts: 70, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 11

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Total conflicts: 70, Preference conflicts: 9

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Total conflicts: 64, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 57.5

Total conflicts: 78, Preference conflicts: 9

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Total conflicts: 61, Preference conflicts: 8

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Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 57.5

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

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Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 67, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 3

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Total conflicts: 80, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 10

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Total conflicts: 59, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 57.5

Total conflicts: 70, Preference conflicts: 9

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Total conflicts: 54, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 57.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 13

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Total conflicts: 67, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

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Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 3

Iterasi 11/30 - Best Fitness: 57.5

Total conflicts: 69, Preference conflicts: 5

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Total conflicts: 77, Preference conflicts: 10

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Total conflicts: 66, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 57.5

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Total conflicts: 72, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 5

Iterasi 13/30 - Best Fitness: 57.5

Total conflicts: 63, Preference conflicts: 10

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Total conflicts: 70, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 57.5

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Total conflicts: 65, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 57.5

Total conflicts: 68, Preference conflicts: 6

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Total conflicts: 62, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

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Total conflicts: 65, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

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Total conflicts: 70, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 57.5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

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Total conflicts: 70, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

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Iterasi 17/30 - Best Fitness: 52.5

Total conflicts: 76, Preference conflicts: 8

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Total conflicts: 60, Preference conflicts: 3

Iterasi 18/30 - Best Fitness: 52.5

Total conflicts: 76, Preference conflicts: 7

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Total conflicts: 70, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 7

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Total conflicts: 72, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 49, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 52.5

Total conflicts: 83, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

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Total conflicts: 71, Preference conflicts: 11

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Total conflicts: 71, Preference conflicts: 7

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Total conflicts: 58, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 52.5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 5

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Total conflicts: 56, Preference conflicts: 7

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Total conflicts: 75, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 7

Iterasi 21/30 - Best Fitness: 52.5

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 4

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Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 10

Iterasi 22/30 - Best Fitness: 52.5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

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Total conflicts: 62, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

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Total conflicts: 63, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 4

Iterasi 23/30 - Best Fitness: 52.5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

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Iterasi 24/30 - Best Fitness: 52.5

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 6

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Total conflicts: 58, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Iterasi 25/30 - Best Fitness: 52.5

Total conflicts: 63, Preference conflicts: 2

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 1

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 8

Iterasi 26/30 - Best Fitness: 52.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 42, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 38, Preference conflicts: 4

Iterasi 27/30 - Best Fitness: 40.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 36, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 36, Preference conflicts: 4

Iterasi 28/30 - Best Fitness: 38.0

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 41, Preference conflicts: 8

Iterasi 29/30 - Best Fitness: 38.0

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 38.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 38.0

Detail Konflik: {'conflict\_temp\_ids': {129, 134, 6, 10, 140, 141, 19, 21, 22, 24, 157, 30, 32, 34, 162, 39, 171, 50, 56, 58, 59, 71, 77, 78, 79, 80, 91, 92, 94, 99, 102, 106, 115, 118, 126, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [569, 66]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [66, 570]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 571]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 1075]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [67, 1076]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [571, 1075]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [571, 68]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [571, 1076]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [1075, 68]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [68, 1076]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [605, 102]}, {'ruang': '4.1.5.57', 'hari': 'selasa', 'slot\_ids': [102, 606]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [141, 1149]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [142, 1150]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [143, 1151]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [143, 1152]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [146, 651]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [147, 651]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [147, 652]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [651, 148]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [148, 652]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [665, 162]}, {'ruang': '4.1.5.63', 'hari': 'selasa', 'slot\_ids': [162, 666]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [687, 184]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [184, 688]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [201, 705]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [202, 706]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [781, 1285]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [781, 1286]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [1285, 782]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [782, 1286]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [782, 1287]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [1286, 783]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [783, 1287]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [319, 824]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [320, 824]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [321, 825]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [377, 881]}, {'ruang': '4.1.5.60', 'hari': 'jumat', 'slot\_ids': [377, 882]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [418, 1426]}, {'ruang': '4.1.5.63', 'hari': 'jumat', 'slot\_ids': [922, 1426]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1003]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1004]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1003, 500]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [500, 1004]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [553, 1057]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [553, 1058]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [1057, 554]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [554, 1058]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [554, 1059]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [1058, 555]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 1059]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [758, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [759, 1263]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [759, 1264]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [1265, 762]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [831, 832]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [967, 1471]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [967, 1472]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {82, 99, 68, 134}}

Populasi 20, Eksperimen 24/30 selesai

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 100, Preference conflicts: 14

Total conflicts: 106, Preference conflicts: 22

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 18

Total conflicts: 105, Preference conflicts: 14

Total conflicts: 106, Preference conflicts: 18

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 115, Preference conflicts: 13

Total conflicts: 102, Preference conflicts: 13

Total conflicts: 86, Preference conflicts: 14

Total conflicts: 92, Preference conflicts: 13

Total conflicts: 100, Preference conflicts: 13

Total conflicts: 98, Preference conflicts: 18

Total conflicts: 98, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 111, Preference conflicts: 18

Total conflicts: 105, Preference conflicts: 17

Total conflicts: 107, Preference conflicts: 18

Populasi awal: [108.0, 107.0, 117.0, 113.0, 115.0, 112.0, 115.0, 103.0, 114.0, 121.5, 108.5, 93.0, 98.5, 106.5, 107.0, 105.5, 106.0, 120.0, 113.5, 116.0]

Iterasi 1/30 - Best Fitness: 93.0

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 95, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 92, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 74.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 15

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 17

Iterasi 3/30 - Best Fitness: 69.5

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 62.5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 62.5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 91, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 53.5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 2

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 53.5

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 12

Iterasi 8/30 - Best Fitness: 53.5

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 6

Iterasi 9/30 - Best Fitness: 53.5

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 52.0

Total conflicts: 73, Preference conflicts: 15

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 52.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 52.0

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 9

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Total conflicts: 61, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Iterasi 14/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

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Total conflicts: 81, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 52.0

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 14

Iterasi 17/30 - Best Fitness: 50.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 91, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Iterasi 18/30 - Best Fitness: 50.0

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 50.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 2

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 50.0

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 50.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 12

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Total conflicts: 71, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Iterasi 22/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

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Total conflicts: 71, Preference conflicts: 8

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Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Iterasi 23/30 - Best Fitness: 50.0

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

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Total conflicts: 44, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 48.0

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 43, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 43, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 45.0

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 43, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 11

Iterasi 26/30 - Best Fitness: 45.0

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 44, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Iterasi 27/30 - Best Fitness: 45.0

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 39, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 39, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Iterasi 28/30 - Best Fitness: 41.0

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 42, Preference conflicts: 4

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 41.0

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 41.0

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 12

Optimasi Selesai!

Best Fitness: 41.0

Detail Konflik: {'conflict\_temp\_ids': {1, 5, 134, 140, 13, 141, 18, 22, 24, 25, 27, 158, 32, 33, 161, 163, 164, 166, 45, 47, 53, 54, 55, 58, 65, 73, 77, 80, 87, 88, 92, 94, 98, 99, 100, 102, 110, 112, 115}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 509]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 510]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 6]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [6, 510]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [7, 511]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [555, 52]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [52, 556]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 557]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [53, 1062]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [557, 54]}, {'ruang': '4.1.5.61', 'hari': 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Total conflicts: 97, Preference conflicts: 19

Total conflicts: 107, Preference conflicts: 19

Total conflicts: 114, Preference conflicts: 16

Total conflicts: 107, Preference conflicts: 19

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 91, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 90, Preference conflicts: 17

Total conflicts: 102, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 20

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 18

Total conflicts: 106, Preference conflicts: 23

Total conflicts: 107, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 19

Total conflicts: 95, Preference conflicts: 14

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 102, Preference conflicts: 15

Populasi awal: [106.5, 116.5, 122.0, 116.5, 111.0, 100.0, 109.5, 99.5, 103.0, 98.5, 110.0, 111.0, 103.5, 108.0, 117.5, 114.5, 114.5, 102.0, 102.5, 109.5]

Iterasi 1/30 - Best Fitness: 98.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 73.0

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 15

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 90, Preference conflicts: 15

Total conflicts: 74, Preference conflicts: 15

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 5

Iterasi 3/30 - Best Fitness: 66.5

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 11

Iterasi 4/30 - Best Fitness: 57.5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 5

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Iterasi 5/30 - Best Fitness: 57.5

Total conflicts: 63, Preference conflicts: 10

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Total conflicts: 77, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 12

Iterasi 6/30 - Best Fitness: 57.5

Total conflicts: 69, Preference conflicts: 6

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Total conflicts: 81, Preference conflicts: 8

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Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Iterasi 7/30 - Best Fitness: 57.5

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Total conflicts: 72, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 4

Iterasi 8/30 - Best Fitness: 54.0

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Total conflicts: 74, Preference conflicts: 9

Iterasi 9/30 - Best Fitness: 45.0

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Total conflicts: 77, Preference conflicts: 11

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Total conflicts: 61, Preference conflicts: 11

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Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 6

Iterasi 10/30 - Best Fitness: 45.0

Total conflicts: 69, Preference conflicts: 8

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Total conflicts: 70, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 4

Iterasi 11/30 - Best Fitness: 45.0

Total conflicts: 73, Preference conflicts: 11

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Total conflicts: 69, Preference conflicts: 11

Iterasi 12/30 - Best Fitness: 44.5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 5

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Total conflicts: 63, Preference conflicts: 8

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Total conflicts: 84, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 44.5

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 6

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Iterasi 14/30 - Best Fitness: 44.5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 11

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Total conflicts: 68, Preference conflicts: 10

Iterasi 15/30 - Best Fitness: 44.5

Total conflicts: 53, Preference conflicts: 9

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Iterasi 16/30 - Best Fitness: 44.5

Total conflicts: 52, Preference conflicts: 8

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Iterasi 17/30 - Best Fitness: 44.5

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Iterasi 18/30 - Best Fitness: 44.5

Total conflicts: 46, Preference conflicts: 12

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Iterasi 19/30 - Best Fitness: 44.5

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Iterasi 20/30 - Best Fitness: 44.5

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Iterasi 21/30 - Best Fitness: 44.5

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Iterasi 22/30 - Best Fitness: 42.0

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Iterasi 23/30 - Best Fitness: 40.0

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Iterasi 24/30 - Best Fitness: 40.0

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Iterasi 25/30 - Best Fitness: 40.0

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Iterasi 26/30 - Best Fitness: 40.0

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Iterasi 27/30 - Best Fitness: 40.0

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Iterasi 28/30 - Best Fitness: 40.0

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Iterasi 29/30 - Best Fitness: 40.0

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Iterasi 30/30 - Best Fitness: 40.0

Total conflicts: 64, Preference conflicts: 5

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Total conflicts: 57, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 40.0

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'hari': 'sabtu', 'slot\_ids': [1001, 1002]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [498, 1002]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1003]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1004]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [525, 1029]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [613, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [614, 1118]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [614, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [1118, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 1119]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 1120]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {42, 47, 118, 25, 124, 57}}

Populasi 20, Eksperimen 26/30 selesai

Total conflicts: 104, Preference conflicts: 20

Total conflicts: 109, Preference conflicts: 19

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 92, Preference conflicts: 19

Total conflicts: 93, Preference conflicts: 14

Total conflicts: 94, Preference conflicts: 18

Total conflicts: 94, Preference conflicts: 18

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 119, Preference conflicts: 15

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Total conflicts: 103, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 14

Total conflicts: 93, Preference conflicts: 16

Total conflicts: 87, Preference conflicts: 16

Total conflicts: 105, Preference conflicts: 12

Total conflicts: 99, Preference conflicts: 21

Total conflicts: 102, Preference conflicts: 19

Total conflicts: 94, Preference conflicts: 21

Total conflicts: 95, Preference conflicts: 14

Populasi awal: [114.0, 118.5, 102.5, 101.5, 100.0, 103.0, 103.0, 105.0, 126.5, 106.5, 111.5, 99.0, 109.0, 101.0, 95.0, 111.0, 109.5, 111.5, 104.5, 102.0]

Iterasi 1/30 - Best Fitness: 95.0

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 96, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 94, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 90, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 87, Preference conflicts: 8

Iterasi 2/30 - Best Fitness: 76.5

Total conflicts: 86, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 15

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 82, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 71.5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 88, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 61.0

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 13

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Total conflicts: 74, Preference conflicts: 8

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Total conflicts: 82, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Iterasi 5/30 - Best Fitness: 58.5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 3

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Total conflicts: 78, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 58.5

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

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Total conflicts: 60, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 16

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 58.5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

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Total conflicts: 74, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

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Total conflicts: 77, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 57.0

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 14

Total conflicts: 49, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 54.5

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 75, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Iterasi 10/30 - Best Fitness: 54.0

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 4

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Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 54.0

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

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Total conflicts: 71, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

Iterasi 12/30 - Best Fitness: 54.0

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

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Total conflicts: 78, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 12

Iterasi 13/30 - Best Fitness: 54.0

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

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Total conflicts: 70, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 54.0

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

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Total conflicts: 68, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 8

Iterasi 15/30 - Best Fitness: 54.0

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

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Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 54.0

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

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Total conflicts: 64, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 6

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Total conflicts: 73, Preference conflicts: 16

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 54.0

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

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Total conflicts: 75, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 54.0

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

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Total conflicts: 58, Preference conflicts: 8

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Total conflicts: 74, Preference conflicts: 8

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Total conflicts: 69, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 87, Preference conflicts: 11

Iterasi 19/30 - Best Fitness: 54.0

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 9

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Total conflicts: 65, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 54.0

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 17

Total conflicts: 74, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 54.0

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 51.5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Iterasi 23/30 - Best Fitness: 51.5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 48, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 52, Preference conflicts: 14

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 14

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 51.0

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 2

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 50.0

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 3

Iterasi 26/30 - Best Fitness: 48.5

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 42, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Iterasi 27/30 - Best Fitness: 45.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 5

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 37, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Iterasi 28/30 - Best Fitness: 41.0

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 1

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 44, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 41.0

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 3

Total conflicts: 45, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 41.0

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Optimasi Selesai!

Best Fitness: 41.0

Detail Konflik: {'conflict\_temp\_ids': {128, 133, 6, 7, 136, 8, 138, 139, 11, 141, 13, 15, 16, 14, 19, 20, 21, 23, 24, 153, 154, 155, 164, 45, 55, 60, 65, 66, 68, 70, 80, 91, 99, 100, 106, 109, 116}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [29, 1037]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [29, 1038]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 545]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 1049]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 546]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [41, 1050]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [545, 1049]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [545, 42]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [545, 1050]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1049, 42]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1049, 546]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [42, 546]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [42, 1050]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [546, 1050]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 547]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 1051]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [547, 1051]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [58, 562]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [59, 563]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [59, 564]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [70, 574]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [142, 646]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 686]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [182, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [686, 183]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 687]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [183, 688]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [687, 184]}, {'ruang': '4.1.5.57', 'hari': 'rabu', 'slot\_ids': [184, 688]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [206, 207]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [251, 755]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [755, 252]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [811, 1315]}, {'ruang': '4.1.5.61', 'hari': 'kamis', 'slot\_ids': [811, 1316]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [821, 318]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [318, 822]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [319, 823]}, {'ruang': '4.1.5.62', 'hari': 'kamis', 'slot\_ids': [823, 320]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [833, 330]}, {'ruang': '4.1.5.63', 'hari': 'kamis', 'slot\_ids': [330, 834]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [903, 1407]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [903, 1408]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [1407, 904]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [904, 1408]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [905, 1409]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [406, 1414]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [407, 1415]}, {'ruang': '4.1.5.62', 'hari': 'jumat', 'slot\_ids': [407, 1416]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [929, 426]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [426, 930]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [485, 990]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [486, 990]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [487, 991]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [487, 992]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [499, 1004]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [500, 1004]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [501, 1005]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [502, 1006]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [1351, 848]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [848, 1352]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [849, 1353]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [850, 1354]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {129, 65, 100, 77, 16, 150, 58, 158}}

Populasi 20, Eksperimen 27/30 selesai

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 21

Total conflicts: 97, Preference conflicts: 16

Total conflicts: 107, Preference conflicts: 19

Total conflicts: 87, Preference conflicts: 21

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 12

Total conflicts: 102, Preference conflicts: 12

Total conflicts: 95, Preference conflicts: 13

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 105, Preference conflicts: 12

Total conflicts: 103, Preference conflicts: 11

Total conflicts: 87, Preference conflicts: 15

Total conflicts: 90, Preference conflicts: 14

Total conflicts: 105, Preference conflicts: 18

Total conflicts: 88, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 12

Total conflicts: 102, Preference conflicts: 19

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 95, Preference conflicts: 16

Populasi awal: [100.5, 110.5, 105.0, 116.5, 97.5, 111.5, 97.0, 108.0, 101.5, 108.5, 111.0, 108.5, 94.5, 97.0, 114.0, 95.5, 107.0, 111.5, 108.5, 103.0]

Iterasi 1/30 - Best Fitness: 94.5

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 92, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 89, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Iterasi 2/30 - Best Fitness: 71.5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 16

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 15

Total conflicts: 68, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 56.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 90, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Iterasi 4/30 - Best Fitness: 56.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 12

Iterasi 5/30 - Best Fitness: 56.5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 89, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 56.5

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 13

Iterasi 7/30 - Best Fitness: 56.5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 5

Iterasi 8/30 - Best Fitness: 56.5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 88, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Iterasi 9/30 - Best Fitness: 56.5

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 56.5

Total conflicts: 77, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 9

Iterasi 11/30 - Best Fitness: 49.5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 10

Iterasi 12/30 - Best Fitness: 49.5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

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Iterasi 13/30 - Best Fitness: 49.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

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Total conflicts: 50, Preference conflicts: 4

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Total conflicts: 70, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 8

Iterasi 14/30 - Best Fitness: 49.5

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 15

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 5

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Total conflicts: 72, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 45, Preference conflicts: 3

Iterasi 15/30 - Best Fitness: 46.5

Total conflicts: 56, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 47, Preference conflicts: 6

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Total conflicts: 64, Preference conflicts: 8

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Total conflicts: 54, Preference conflicts: 5

Iterasi 16/30 - Best Fitness: 46.5

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 9

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Total conflicts: 68, Preference conflicts: 8

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Total conflicts: 52, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 46.5

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

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Iterasi 18/30 - Best Fitness: 46.5

Total conflicts: 49, Preference conflicts: 9

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Iterasi 19/30 - Best Fitness: 46.5

Total conflicts: 50, Preference conflicts: 3

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Total conflicts: 67, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 46.5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

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Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 58, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Iterasi 21/30 - Best Fitness: 46.5

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 7

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Total conflicts: 49, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

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Total conflicts: 46, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 11

Iterasi 22/30 - Best Fitness: 46.5

Total conflicts: 59, Preference conflicts: 5

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Iterasi 23/30 - Best Fitness: 46.5

Total conflicts: 53, Preference conflicts: 9

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Iterasi 24/30 - Best Fitness: 46.5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

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Total conflicts: 68, Preference conflicts: 9

Iterasi 25/30 - Best Fitness: 46.5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

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Total conflicts: 75, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 12

Iterasi 26/30 - Best Fitness: 46.5

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 8

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Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

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Total conflicts: 56, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 10

Iterasi 27/30 - Best Fitness: 46.5

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 14

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Total conflicts: 66, Preference conflicts: 16

Total conflicts: 66, Preference conflicts: 9

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Total conflicts: 75, Preference conflicts: 9

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Total conflicts: 50, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 11

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Total conflicts: 64, Preference conflicts: 4

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Total conflicts: 56, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 9

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Total conflicts: 77, Preference conflicts: 8

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Total conflicts: 70, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 6

Iterasi 30/30 - Best Fitness: 46.5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

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Total conflicts: 72, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Optimasi Selesai!

Best Fitness: 46.5

Detail Konflik: {'conflict\_temp\_ids': {129, 131, 5, 134, 6, 10, 138, 140, 11, 14, 145, 19, 22, 151, 24, 27, 30, 31, 33, 163, 164, 36, 166, 39, 41, 171, 45, 47, 53, 55, 56, 57, 63, 64, 65, 66, 70, 95, 98, 99, 111, 116, 117, 118, 126}, 'room\_consistency\_conflicts': [{'temp\_id': 111, 'ruangan': ['4.1.5.60', '4.1.5.63'], 'slot\_ids': [878, 999, 1000]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 509]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 1013]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 510]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 1014]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 1013]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 6]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 1014]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1013, 6]}, {'ruang': '4.1.5.55', 'hari': 'senin', 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Populasi 20, Eksperimen 28/30 selesai

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Total conflicts: 102, Preference conflicts: 21

Total conflicts: 101, Preference conflicts: 11

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Total conflicts: 106, Preference conflicts: 12

Total conflicts: 107, Preference conflicts: 21

Total conflicts: 95, Preference conflicts: 18

Populasi awal: [108.0, 107.5, 104.0, 113.0, 107.5, 105.0, 107.0, 104.5, 97.0, 99.5, 103.5, 113.5, 100.0, 105.0, 112.5, 106.5, 106.0, 112.0, 117.5, 104.0]

Iterasi 1/30 - Best Fitness: 97.0

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Total conflicts: 79, Preference conflicts: 8

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Total conflicts: 83, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 90, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 6

Iterasi 2/30 - Best Fitness: 80.0

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 10

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Total conflicts: 82, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 6

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Total conflicts: 85, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 14

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Iterasi 3/30 - Best Fitness: 69.0

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 8

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Total conflicts: 81, Preference conflicts: 12

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Total conflicts: 79, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 67.0

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 8

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Total conflicts: 61, Preference conflicts: 9

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Total conflicts: 72, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 4

Iterasi 5/30 - Best Fitness: 65.5

Total conflicts: 66, Preference conflicts: 7

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Total conflicts: 73, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Iterasi 6/30 - Best Fitness: 65.5

Total conflicts: 67, Preference conflicts: 7

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Total conflicts: 67, Preference conflicts: 5

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Total conflicts: 75, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

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Total conflicts: 69, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 12

Iterasi 7/30 - Best Fitness: 65.5

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Total conflicts: 69, Preference conflicts: 8

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Total conflicts: 81, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 60.0

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Total conflicts: 70, Preference conflicts: 4

Total conflicts: 89, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 60.0

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Total conflicts: 61, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

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Total conflicts: 66, Preference conflicts: 10

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Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 12

Iterasi 10/30 - Best Fitness: 60.0

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Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

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Total conflicts: 84, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 59.0

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Total conflicts: 66, Preference conflicts: 7

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Total conflicts: 70, Preference conflicts: 8

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Iterasi 12/30 - Best Fitness: 58.5

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Total conflicts: 74, Preference conflicts: 5

Iterasi 13/30 - Best Fitness: 54.5

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Total conflicts: 59, Preference conflicts: 4

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Total conflicts: 75, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Iterasi 14/30 - Best Fitness: 54.5

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Total conflicts: 59, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 54.5

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Total conflicts: 54, Preference conflicts: 9

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Total conflicts: 62, Preference conflicts: 3

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Total conflicts: 74, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 54.5

Total conflicts: 55, Preference conflicts: 6

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Iterasi 17/30 - Best Fitness: 54.5

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Iterasi 18/30 - Best Fitness: 54.5

Total conflicts: 63, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 10

Iterasi 19/30 - Best Fitness: 50.5

Total conflicts: 63, Preference conflicts: 4

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Total conflicts: 56, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 3

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Iterasi 20/30 - Best Fitness: 45.5

Total conflicts: 47, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

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Total conflicts: 58, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 57, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 45.5

Total conflicts: 51, Preference conflicts: 2

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Total conflicts: 56, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Iterasi 22/30 - Best Fitness: 41.0

Total conflicts: 57, Preference conflicts: 4

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Total conflicts: 73, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 9

Iterasi 23/30 - Best Fitness: 41.0

Total conflicts: 58, Preference conflicts: 9

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Total conflicts: 64, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Iterasi 24/30 - Best Fitness: 41.0

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Iterasi 25/30 - Best Fitness: 41.0

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Iterasi 26/30 - Best Fitness: 41.0

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 41.0

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 51, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 41.0

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 12

Iterasi 29/30 - Best Fitness: 41.0

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 15

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 3

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 8

Iterasi 30/30 - Best Fitness: 41.0

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 14

Optimasi Selesai!

Best Fitness: 41.0

Detail Konflik: {'conflict\_temp\_ids': {1, 2, 131, 132, 5, 133, 134, 10, 19, 149, 23, 151, 25, 155, 30, 159, 162, 164, 165, 37, 45, 49, 50, 53, 55, 57, 63, 65, 73, 79, 80, 88, 94, 110, 115, 118, 124, 127}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [5, 510]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [6, 510]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [17, 521]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [17, 522]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [521, 18]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [18, 522]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1033, 26]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 1034]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 1035]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [1034, 27]}, {'ruang': '4.1.5.59', 'hari': 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'slot\_ids': [112, 616]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [113, 617]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [113, 618]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [617, 114]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [114, 618]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [633, 1137]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [634, 1138]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [635, 1139]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [193, 1202]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [194, 1202]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [194, 1203]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [1202, 195]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [195, 1203]}, {'ruang': '4.1.5.59', 'hari': 'rabu', 'slot\_ids': [195, 1204]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': [297, 801]}, {'ruang': '4.1.5.60', 'hari': 'kamis', 'slot\_ids': 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1350]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [1349, 846]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [846, 1350]}, {'ruang': '4.1.5.55', 'hari': 'jumat', 'slot\_ids': [847, 1351]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [357, 861]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [358, 862]}, {'ruang': '4.1.5.57', 'hari': 'jumat', 'slot\_ids': [359, 863]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [891, 1396]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [892, 1396]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [423, 928]}, {'ruang': '4.1.5.55', 'hari': 'sabtu', 'slot\_ids': [424, 928]}, {'ruang': '4.1.5.62', 'hari': 'sabtu', 'slot\_ids': [482, 1491]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [502, 1510]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [503, 1511]}, {'ruang': '4.1.5.63', 'hari': 'sabtu', 'slot\_ids': [1511, 504]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [562, 1066]}, 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Populasi 20, Eksperimen 29/30 selesai

Total conflicts: 108, Preference conflicts: 17

Total conflicts: 109, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 108, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 20

Total conflicts: 94, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 19

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 103, Preference conflicts: 12

Total conflicts: 116, Preference conflicts: 15

Total conflicts: 106, Preference conflicts: 12

Total conflicts: 107, Preference conflicts: 21

Total conflicts: 95, Preference conflicts: 16

Total conflicts: 91, Preference conflicts: 16

Total conflicts: 98, Preference conflicts: 16

Total conflicts: 93, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 100, Preference conflicts: 19

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 101, Preference conflicts: 16

Populasi awal: [116.5, 117.0, 102.5, 116.5, 116.0, 103.0, 110.5, 106.0, 109.0, 123.5, 112.0, 117.5, 103.0, 99.0, 106.0, 101.0, 113.0, 109.5, 104.0, 109.0]

Iterasi 1/30 - Best Fitness: 99.0

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 2

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 85, Preference conflicts: 12

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 90, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Iterasi 2/30 - Best Fitness: 71.0

Total conflicts: 87, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 12

Total conflicts: 81, Preference conflicts: 14

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 65.0

Total conflicts: 76, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 65.0

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 13

Iterasi 5/30 - Best Fitness: 60.0

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 60.0

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 86, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 58.5

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Iterasi 8/30 - Best Fitness: 52.5

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 12

Iterasi 9/30 - Best Fitness: 52.5

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 52.5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 47.5

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 47.5

Total conflicts: 50, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 3

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 47.5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 47.5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 5

Iterasi 15/30 - Best Fitness: 47.5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Iterasi 16/30 - Best Fitness: 47.5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 3

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Iterasi 17/30 - Best Fitness: 47.5

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 15

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 10

Iterasi 18/30 - Best Fitness: 47.5

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Iterasi 19/30 - Best Fitness: 47.5

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 47, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 11

Iterasi 20/30 - Best Fitness: 47.5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 46, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 2

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 47.5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 47.5

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 46, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 47.5

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 56, Preference conflicts: 14

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Iterasi 24/30 - Best Fitness: 47.5

Total conflicts: 62, Preference conflicts: 2

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 4

Iterasi 25/30 - Best Fitness: 47.5

Total conflicts: 62, Preference conflicts: 14

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 47.5

Total conflicts: 51, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 3

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 46, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 5

Iterasi 27/30 - Best Fitness: 47.5

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 39, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 45, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 43.0

Total conflicts: 56, Preference conflicts: 4

Total conflicts: 53, Preference conflicts: 12

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 42, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Iterasi 29/30 - Best Fitness: 43.0

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 15

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 3

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 48, Preference conflicts: 3

Total conflicts: 50, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 43.0

Total conflicts: 69, Preference conflicts: 2

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 50, Preference conflicts: 3

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 43, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 4

Optimasi Selesai!

Best Fitness: 43.0

Detail Konflik: {'conflict\_temp\_ids': {5, 9, 138, 141, 14, 144, 149, 23, 26, 156, 30, 31, 162, 163, 34, 165, 41, 42, 47, 55, 56, 66, 67, 68, 71, 73, 75, 76, 80, 82, 91, 92, 94, 102, 106, 109, 110, 112, 118}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 1013]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 1014]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [1013, 510]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [510, 1014]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [511, 1015]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [49, 553]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [49, 554]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [553, 50]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [50, 554]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [50, 555]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [554, 51]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [51, 555]}, {'ruang': '4.1.5.62', 'hari': 'senin', 'slot\_ids': [69, 573]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [578, 1083]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 1083]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [579, 1084]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [1085, 78]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [79, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [80, 1088]}, {'ruang': '4.1.5.63', 'hari': 'senin', 'slot\_ids': [82, 1090]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [614, 111]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [111, 615]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [615, 112]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [631, 128]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [128, 632]}, {'ruang': '4.1.5.60', 'hari': 'selasa', 'slot\_ids': [129, 633]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [211, 716]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [212, 716]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [214, 718]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [233, 1241]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [233, 1242]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [247, 752]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [248, 752]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [249, 753]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [249, 1257]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [753, 1257]}, {'ruang': '4.1.5.63', 'hari': 'rabu', 'slot\_ids': [754, 1258]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [771, 268]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [268, 772]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [269, 773]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [269, 774]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [773, 270]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [270, 774]}, {'ruang': '4.1.5.59', 'hari': 'kamis', 'slot\_ids': [285, 789]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [938, 435]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [435, 939]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [435, 940]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [939, 436]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [436, 940]}, {'ruang': '4.1.5.57', 'hari': 'sabtu', 'slot\_ids': [437, 942]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [463, 967]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [463, 968]}, {'ruang': '4.1.5.60', 'hari': 'sabtu', 'slot\_ids': [465, 969]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [475, 1484]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [981, 1485]}, {'ruang': '4.1.5.61', 'hari': 'sabtu', 'slot\_ids': [982, 1486]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [955, 1459]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [955, 1460]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [1459, 956]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [956, 1460]}, {'ruang': '4.1.5.59', 'hari': 'sabtu', 'slot\_ids': [957, 1461]}], 'class\_conflicts': [], 'lecturer\_preference\_conflicts': [], 'preference\_conflict\_temp\_ids': {64, 161, 164, 133, 136, 10, 50, 151}}

Populasi 20, Eksperimen 30/30 selesai

Total conflicts: 115, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 11

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 92, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 104, Preference conflicts: 12

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 10

Total conflicts: 105, Preference conflicts: 14

Total conflicts: 88, Preference conflicts: 12

Total conflicts: 98, Preference conflicts: 19

Total conflicts: 101, Preference conflicts: 20

Total conflicts: 92, Preference conflicts: 20

Total conflicts: 97, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 88, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 109, Preference conflicts: 15

Total conflicts: 102, Preference conflicts: 15

Total conflicts: 92, Preference conflicts: 14

Total conflicts: 104, Preference conflicts: 21

Total conflicts: 100, Preference conflicts: 16

Populasi awal: [123.5, 106.5, 107.5, 100.5, 108.0, 110.0, 108.5, 108.0, 108.5, 110.0, 112.0, 94.0, 107.5, 111.0, 102.0, 105.5, 106.0, 107.5, 95.5, 108.0, 116.5, 109.5, 99.0, 114.5, 108.0]

Iterasi 1/30 - Best Fitness: 94.0

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 92, Preference conflicts: 9

Total conflicts: 96, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 92, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 14

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 90, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 90, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 67.5

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 79, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 89, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 89, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 14

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

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Iterasi 5/30 - Best Fitness: 63.5

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Total conflicts: 75, Preference conflicts: 12

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Iterasi 6/30 - Best Fitness: 61.0

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Total conflicts: 75, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 60.0

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Iterasi 8/30 - Best Fitness: 60.0

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Iterasi 9/30 - Best Fitness: 55.0

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Iterasi 10/30 - Best Fitness: 55.0

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Iterasi 11/30 - Best Fitness: 55.0

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Iterasi 12/30 - Best Fitness: 55.0

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Iterasi 13/30 - Best Fitness: 51.5

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Iterasi 14/30 - Best Fitness: 51.5

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Iterasi 15/30 - Best Fitness: 51.5

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Iterasi 16/30 - Best Fitness: 51.5

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Iterasi 17/30 - Best Fitness: 51.5

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Iterasi 18/30 - Best Fitness: 49.5

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Iterasi 19/30 - Best Fitness: 49.5

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Iterasi 20/30 - Best Fitness: 49.5

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Iterasi 21/30 - Best Fitness: 48.5

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Iterasi 22/30 - Best Fitness: 48.5

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Iterasi 23/30 - Best Fitness: 48.5

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Iterasi 24/30 - Best Fitness: 48.5

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Iterasi 25/30 - Best Fitness: 45.5

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Iterasi 26/30 - Best Fitness: 45.5

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Iterasi 27/30 - Best Fitness: 45.5

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Iterasi 28/30 - Best Fitness: 45.5

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Iterasi 29/30 - Best Fitness: 45.5

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Iterasi 30/30 - Best Fitness: 45.5

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Total conflicts: 77, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 45.5

Detail Konflik: {'conflict\_temp\_ids': {128, 129, 1, 132, 133, 134, 7, 135, 9, 138, 10, 16, 19, 20, 149, 150, 25, 156, 157, 33, 37, 166, 50, 51, 55, 57, 58, 60, 67, 71, 76, 79, 82, 88, 90, 94, 95, 100, 105, 106, 112, 116, 119}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 1018]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 1019]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 1020]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [537, 1041]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [538, 1042]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 547]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [43, 548]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [547, 1051]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [547, 44]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [547, 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Populasi 25, Eksperimen 1/30 selesai

Total conflicts: 106, Preference conflicts: 14

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 13

Total conflicts: 99, Preference conflicts: 19

Total conflicts: 107, Preference conflicts: 14

Total conflicts: 97, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 98, Preference conflicts: 12

Total conflicts: 93, Preference conflicts: 15

Total conflicts: 98, Preference conflicts: 14

Total conflicts: 102, Preference conflicts: 16

Total conflicts: 88, Preference conflicts: 11

Total conflicts: 95, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 20

Total conflicts: 98, Preference conflicts: 21

Total conflicts: 86, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 103, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 11

Total conflicts: 95, Preference conflicts: 9

Total conflicts: 94, Preference conflicts: 17

Total conflicts: 99, Preference conflicts: 18

Total conflicts: 97, Preference conflicts: 16

Populasi awal: [113.0, 104.5, 103.5, 104.5, 112.5, 108.5, 114.0, 105.5, 104.5, 104.0, 100.5, 105.0, 110.0, 93.5, 104.0, 111.0, 108.5, 93.5, 110.5, 111.0, 107.5, 99.5, 102.5, 108.0, 105.0]

Iterasi 1/30 - Best Fitness: 93.5

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 5

Total conflicts: 89, Preference conflicts: 14

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 93, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 95, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 6

Total conflicts: 86, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 76.0

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 14

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Total conflicts: 75, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 13

Iterasi 3/30 - Best Fitness: 62.0

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 88, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 77, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 54.5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 84, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 82, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Iterasi 5/30 - Best Fitness: 54.5

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

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Total conflicts: 74, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 11

Iterasi 6/30 - Best Fitness: 54.5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 9

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Total conflicts: 76, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 8

Iterasi 7/30 - Best Fitness: 54.5

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 7

Iterasi 8/30 - Best Fitness: 53.5

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

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Total conflicts: 69, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 53.5

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 59, Preference conflicts: 7

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Total conflicts: 62, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 8

Iterasi 10/30 - Best Fitness: 53.5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 11

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Total conflicts: 77, Preference conflicts: 8

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Total conflicts: 65, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

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Total conflicts: 64, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Iterasi 11/30 - Best Fitness: 53.5

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

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Total conflicts: 83, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Iterasi 12/30 - Best Fitness: 53.5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

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Total conflicts: 71, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

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Total conflicts: 61, Preference conflicts: 11

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Total conflicts: 70, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

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Total conflicts: 61, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 11

Iterasi 14/30 - Best Fitness: 53.5

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 11

Iterasi 15/30 - Best Fitness: 53.5

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 3

Iterasi 16/30 - Best Fitness: 53.5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 47, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

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Total conflicts: 74, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 49.0

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 40, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

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Total conflicts: 73, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 42.5

Total conflicts: 70, Preference conflicts: 14

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 46, Preference conflicts: 5

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 8

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Total conflicts: 50, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 10

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Total conflicts: 60, Preference conflicts: 13

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Iterasi 19/30 - Best Fitness: 42.5

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 8

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Total conflicts: 68, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 53, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 42.5

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 5

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Total conflicts: 62, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

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Total conflicts: 71, Preference conflicts: 4

Total conflicts: 54, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 8

Iterasi 21/30 - Best Fitness: 42.5

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

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Total conflicts: 64, Preference conflicts: 11

Total conflicts: 55, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 64, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 42.5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 42.5

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 42, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 4

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Total conflicts: 55, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

Iterasi 24/30 - Best Fitness: 42.5

Total conflicts: 61, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 7

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Total conflicts: 68, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

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Total conflicts: 63, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 10

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Total conflicts: 72, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 8

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Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 42.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

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Total conflicts: 54, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 7

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Total conflicts: 58, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 4

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Total conflicts: 70, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 9

Iterasi 26/30 - Best Fitness: 42.5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 14

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 54, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Iterasi 27/30 - Best Fitness: 42.5

Total conflicts: 51, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 6

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Total conflicts: 66, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 42.5

Total conflicts: 48, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 2

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

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Total conflicts: 71, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Iterasi 29/30 - Best Fitness: 42.5

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 13

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 42.5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 48, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

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Total conflicts: 80, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

Optimasi Selesai!

Best Fitness: 42.5

Detail Konflik: {'conflict\_temp\_ids': {129, 131, 4, 6, 9, 10, 139, 13, 14, 16, 144, 19, 20, 23, 152, 25, 154, 156, 157, 30, 158, 45, 54, 57, 59, 60, 66, 70, 76, 90, 94, 99, 100, 101, 102, 110, 118, 119, 124, 126}, 'room\_consistency\_conflicts': [], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [10, 514]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 515]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [11, 516]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [37, 1045]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [37, 1046]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1045, 38]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [38, 1046]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [38, 543]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [38, 1047]}, {'ruang': '4.1.5.60', 'hari': 'senin', 'slot\_ids': [1046, 39]}, {'ruang': 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'hari': 'selasa', 'slot\_ids': [113, 618]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [639, 640]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [639, 1144]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [640, 1144]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [641, 1145]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [641, 1146]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [1145, 642]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [642, 1146]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [650, 1154]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [650, 1155]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1154, 651]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [651, 1155]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [651, 1156]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [1155, 652]}, {'ruang': '4.1.5.62', 'hari': 'selasa', 'slot\_ids': [652, 1156]}, {'ruang': 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Populasi 25, Eksperimen 2/30 selesai

Total conflicts: 95, Preference conflicts: 20

Total conflicts: 91, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 19

Total conflicts: 98, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 18

Total conflicts: 99, Preference conflicts: 9

Total conflicts: 100, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 99, Preference conflicts: 18

Total conflicts: 103, Preference conflicts: 13

Total conflicts: 96, Preference conflicts: 15

Total conflicts: 90, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 100, Preference conflicts: 17

Total conflicts: 101, Preference conflicts: 12

Total conflicts: 96, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 19

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 16

Total conflicts: 87, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 87, Preference conflicts: 15

Populasi awal: [105.0, 98.5, 104.0, 106.5, 106.5, 114.5, 103.5, 113.0, 103.5, 109.5, 110.5, 108.0, 109.5, 103.5, 97.5, 110.0, 108.5, 107.0, 105.0, 111.5, 110.5, 112.0, 96.0, 108.5, 94.5]

Iterasi 1/30 - Best Fitness: 94.5

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 89, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 4

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Iterasi 2/30 - Best Fitness: 68.5

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Iterasi 3/30 - Best Fitness: 68.5

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Iterasi 4/30 - Best Fitness: 67.5

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Iterasi 5/30 - Best Fitness: 66.0

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Iterasi 6/30 - Best Fitness: 65.5

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Iterasi 7/30 - Best Fitness: 59.0

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Iterasi 8/30 - Best Fitness: 57.0

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Iterasi 9/30 - Best Fitness: 57.0

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Iterasi 10/30 - Best Fitness: 56.0

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Iterasi 11/30 - Best Fitness: 53.5

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Iterasi 12/30 - Best Fitness: 53.5

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Iterasi 13/30 - Best Fitness: 53.5

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Iterasi 14/30 - Best Fitness: 53.5

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Iterasi 15/30 - Best Fitness: 53.5

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Iterasi 16/30 - Best Fitness: 53.5

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Iterasi 17/30 - Best Fitness: 53.0

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Iterasi 18/30 - Best Fitness: 53.0

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Iterasi 19/30 - Best Fitness: 51.5

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Iterasi 20/30 - Best Fitness: 50.0

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Iterasi 21/30 - Best Fitness: 50.0

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Iterasi 22/30 - Best Fitness: 47.5

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Iterasi 23/30 - Best Fitness: 47.5

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Iterasi 24/30 - Best Fitness: 47.5

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Iterasi 25/30 - Best Fitness: 46.0

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Iterasi 26/30 - Best Fitness: 46.0

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Iterasi 27/30 - Best Fitness: 46.0

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Total conflicts: 61, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 45, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 43, Preference conflicts: 3

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 50, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Iterasi 28/30 - Best Fitness: 44.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 44, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 47, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 54, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 12

Iterasi 29/30 - Best Fitness: 44.5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 50, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 58, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 43, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Iterasi 30/30 - Best Fitness: 44.5

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 55, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 57, Preference conflicts: 4

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 44, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 3

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 43, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 13

Optimasi Selesai!

Best Fitness: 44.5

Detail Konflik: {'conflict\_temp\_ids': {131, 132, 6, 136, 9, 11, 140, 144, 145, 18, 16, 20, 22, 150, 25, 27, 30, 159, 32, 33, 162, 31, 166, 39, 41, 45, 47, 50, 55, 64, 65, 68, 70, 78, 79, 80, 88, 90, 95, 106, 110, 117, 119}, 'room\_consistency\_conflicts': [{'temp\_id': 30, 'ruangan': ['4.1.5.57', '4.1.5.62'], 'slot\_ids': [522, 523, 910]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 530]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [26, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [530, 27]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 531]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [27, 532]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [531, 28]}, {'ruang': '4.1.5.59', 'hari': 'senin', 'slot\_ids': [28, 532]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': [553, 1057]}, {'ruang': '4.1.5.61', 'hari': 'senin', 'slot\_ids': 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[620, 1124]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [117, 621]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [117, 1125]}, {'ruang': '4.1.5.59', 'hari': 'selasa', 'slot\_ids': [621, 1125]}, {'ruang': '4.1.5.61', 'hari': 'selasa', 'slot\_ids': [142, 1150]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [178, 682]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [179, 683]}, {'ruang': '4.1.5.55', 'hari': 'rabu', 'slot\_ids': [683, 180]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [715, 212]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [212, 716]}, {'ruang': '4.1.5.60', 'hari': 'rabu', 'slot\_ids': [213, 717]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [769, 266]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [769, 1274]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 770]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 1274]}, {'ruang': '4.1.5.57', 'hari': 'kamis', 'slot\_ids': [266, 771]}, 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Populasi 25, Eksperimen 3/30 selesai

Total conflicts: 106, Preference conflicts: 16

Total conflicts: 95, Preference conflicts: 15

Total conflicts: 91, Preference conflicts: 18

Total conflicts: 101, Preference conflicts: 15

Total conflicts: 100, Preference conflicts: 19

Total conflicts: 97, Preference conflicts: 14

Total conflicts: 92, Preference conflicts: 13

Total conflicts: 94, Preference conflicts: 22

Total conflicts: 108, Preference conflicts: 13

Total conflicts: 101, Preference conflicts: 12

Total conflicts: 94, Preference conflicts: 16

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 95, Preference conflicts: 18

Total conflicts: 97, Preference conflicts: 13

Total conflicts: 87, Preference conflicts: 13

Total conflicts: 96, Preference conflicts: 14

Total conflicts: 107, Preference conflicts: 21

Total conflicts: 97, Preference conflicts: 19

Total conflicts: 91, Preference conflicts: 14

Total conflicts: 114, Preference conflicts: 13

Total conflicts: 94, Preference conflicts: 12

Total conflicts: 97, Preference conflicts: 19

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 96, Preference conflicts: 9

Total conflicts: 98, Preference conflicts: 16

Populasi awal: [114.0, 102.5, 100.0, 108.5, 109.5, 104.0, 98.5, 105.0, 114.5, 107.0, 102.0, 104.5, 104.0, 103.5, 93.5, 103.0, 117.5, 106.5, 98.0, 120.5, 100.0, 106.5, 104.5, 100.5, 106.0]

Iterasi 1/30 - Best Fitness: 93.5

Total conflicts: 88, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 3

Total conflicts: 84, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 88, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 98, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 5

Iterasi 2/30 - Best Fitness: 73.5

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 15

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 15

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 68.5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 4

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 11

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 12

Iterasi 4/30 - Best Fitness: 62.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 12

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 91, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 12

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 75, Preference conflicts: 10

Iterasi 5/30 - Best Fitness: 62.0

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 9

Iterasi 6/30 - Best Fitness: 62.0

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 88, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 9

Iterasi 7/30 - Best Fitness: 62.0

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 12

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 4

Iterasi 8/30 - Best Fitness: 57.5

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 14

Total conflicts: 54, Preference conflicts: 4

Total conflicts: 78, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 56.0

Total conflicts: 91, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 12

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Iterasi 10/30 - Best Fitness: 50.5

Total conflicts: 92, Preference conflicts: 14

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Total conflicts: 68, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 4

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 11

Iterasi 11/30 - Best Fitness: 50.5

Total conflicts: 86, Preference conflicts: 8

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Total conflicts: 68, Preference conflicts: 6

Iterasi 12/30 - Best Fitness: 50.5

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Total conflicts: 64, Preference conflicts: 13

Iterasi 13/30 - Best Fitness: 50.5

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Iterasi 14/30 - Best Fitness: 50.5

Total conflicts: 58, Preference conflicts: 7

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Iterasi 15/30 - Best Fitness: 50.5

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Total conflicts: 77, Preference conflicts: 13

Total conflicts: 68, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Iterasi 16/30 - Best Fitness: 50.5

Total conflicts: 59, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 8

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Total conflicts: 61, Preference conflicts: 10

Iterasi 17/30 - Best Fitness: 50.5

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 8

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Iterasi 18/30 - Best Fitness: 50.5

Total conflicts: 70, Preference conflicts: 12

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Iterasi 19/30 - Best Fitness: 50.5

Total conflicts: 76, Preference conflicts: 5

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Iterasi 20/30 - Best Fitness: 50.5

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Iterasi 21/30 - Best Fitness: 50.5

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Iterasi 22/30 - Best Fitness: 50.5

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Iterasi 23/30 - Best Fitness: 50.5

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Iterasi 24/30 - Best Fitness: 48.5

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Iterasi 25/30 - Best Fitness: 48.5

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Iterasi 26/30 - Best Fitness: 48.5

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Iterasi 27/30 - Best Fitness: 48.5

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Iterasi 28/30 - Best Fitness: 48.5

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Iterasi 29/30 - Best Fitness: 48.5

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Iterasi 30/30 - Best Fitness: 48.5

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Optimasi Selesai!

Best Fitness: 48.5

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Total conflicts: 109, Preference conflicts: 12

Total conflicts: 91, Preference conflicts: 17

Total conflicts: 105, Preference conflicts: 15

Total conflicts: 101, Preference conflicts: 18

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 112, Preference conflicts: 10

Total conflicts: 101, Preference conflicts: 19

Total conflicts: 104, Preference conflicts: 15

Total conflicts: 94, Preference conflicts: 10

Total conflicts: 107, Preference conflicts: 17

Total conflicts: 96, Preference conflicts: 13

Total conflicts: 111, Preference conflicts: 14

Total conflicts: 99, Preference conflicts: 13

Total conflicts: 98, Preference conflicts: 13

Total conflicts: 94, Preference conflicts: 14

Total conflicts: 105, Preference conflicts: 19

Total conflicts: 102, Preference conflicts: 20

Total conflicts: 94, Preference conflicts: 12

Total conflicts: 89, Preference conflicts: 19

Total conflicts: 101, Preference conflicts: 14

Total conflicts: 103, Preference conflicts: 20

Total conflicts: 106, Preference conflicts: 18

Total conflicts: 102, Preference conflicts: 15

Populasi awal: [109.0, 122.0, 115.0, 99.5, 112.5, 110.0, 107.5, 117.0, 110.5, 111.5, 99.0, 115.5, 102.5, 118.0, 105.5, 104.5, 101.0, 114.5, 112.0, 100.0, 98.5, 108.0, 113.0, 115.0, 109.5]

Iterasi 1/30 - Best Fitness: 98.5

Total conflicts: 91, Preference conflicts: 8

Total conflicts: 90, Preference conflicts: 12

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Total conflicts: 77, Preference conflicts: 6

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Total conflicts: 80, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 11

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Total conflicts: 75, Preference conflicts: 11

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Total conflicts: 90, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 14

Total conflicts: 84, Preference conflicts: 10

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 12

Iterasi 2/30 - Best Fitness: 70.0

Total conflicts: 82, Preference conflicts: 13

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 91, Preference conflicts: 11

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Total conflicts: 82, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 5

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Total conflicts: 76, Preference conflicts: 12

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 14

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 79, Preference conflicts: 5

Iterasi 3/30 - Best Fitness: 64.5

Total conflicts: 79, Preference conflicts: 6

Total conflicts: 85, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 9

Iterasi 4/30 - Best Fitness: 64.5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 72, Preference conflicts: 11

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Total conflicts: 64, Preference conflicts: 7

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Total conflicts: 78, Preference conflicts: 9

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Total conflicts: 74, Preference conflicts: 5

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Total conflicts: 69, Preference conflicts: 7

Total conflicts: 90, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 11

Iterasi 5/30 - Best Fitness: 64.5

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 9

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Total conflicts: 74, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 84, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 8

Iterasi 6/30 - Best Fitness: 62.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 9

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Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 6

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Total conflicts: 79, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Iterasi 7/30 - Best Fitness: 60.5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

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Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 8

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Total conflicts: 63, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 8

Iterasi 8/30 - Best Fitness: 60.5

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

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Total conflicts: 64, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 6

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Total conflicts: 77, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 12

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 86, Preference conflicts: 11

Iterasi 9/30 - Best Fitness: 60.5

Total conflicts: 79, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 12

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Total conflicts: 75, Preference conflicts: 12

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 5

Iterasi 10/30 - Best Fitness: 60.5

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 12

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Total conflicts: 61, Preference conflicts: 10

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Total conflicts: 69, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Iterasi 11/30 - Best Fitness: 58.5

Total conflicts: 70, Preference conflicts: 13

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Total conflicts: 64, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 11

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Total conflicts: 60, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 57.5

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 14

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Total conflicts: 66, Preference conflicts: 6

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 12

Iterasi 13/30 - Best Fitness: 53.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 58, Preference conflicts: 6

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Total conflicts: 58, Preference conflicts: 3

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Total conflicts: 64, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 5

Iterasi 14/30 - Best Fitness: 53.5

Total conflicts: 57, Preference conflicts: 6

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Total conflicts: 62, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 8

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Total conflicts: 61, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 14

Total conflicts: 84, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 4

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Total conflicts: 68, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 13

Iterasi 15/30 - Best Fitness: 53.5

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Total conflicts: 68, Preference conflicts: 4

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Total conflicts: 61, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 71, Preference conflicts: 7

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Total conflicts: 65, Preference conflicts: 7

Iterasi 16/30 - Best Fitness: 53.5

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Total conflicts: 73, Preference conflicts: 7

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Total conflicts: 68, Preference conflicts: 7

Iterasi 17/30 - Best Fitness: 52.0

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Total conflicts: 63, Preference conflicts: 4

Iterasi 18/30 - Best Fitness: 49.5

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Iterasi 19/30 - Best Fitness: 49.5

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Iterasi 20/30 - Best Fitness: 49.5

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Iterasi 21/30 - Best Fitness: 49.5

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Iterasi 22/30 - Best Fitness: 49.5

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Iterasi 23/30 - Best Fitness: 49.5

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Iterasi 24/30 - Best Fitness: 49.5

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Total conflicts: 66, Preference conflicts: 11

Iterasi 25/30 - Best Fitness: 49.5

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Iterasi 26/30 - Best Fitness: 49.5

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Iterasi 27/30 - Best Fitness: 49.5

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Iterasi 28/30 - Best Fitness: 49.5

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Iterasi 29/30 - Best Fitness: 49.5

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Iterasi 30/30 - Best Fitness: 49.5

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Total conflicts: 60, Preference conflicts: 3

Total conflicts: 72, Preference conflicts: 6

Optimasi Selesai!

Best Fitness: 49.5

Populasi 25, Eksperimen 5/30 selesai

Total conflicts: 94, Preference conflicts: 19

Total conflicts: 101, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 108, Preference conflicts: 12

Total conflicts: 110, Preference conflicts: 18

Total conflicts: 105, Preference conflicts: 16

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Total conflicts: 112, Preference conflicts: 13

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Total conflicts: 111, Preference conflicts: 22

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Total conflicts: 98, Preference conflicts: 12

Populasi awal: [103.5, 109.0, 104.5, 109.0, 114.0, 119.0, 113.0, 100.0, 121.0, 118.5, 102.5, 106.5, 110.0, 107.0, 110.5, 115.5, 113.0, 122.0, 100.0, 104.0, 107.5, 112.5, 105.5, 99.5, 104.0]

Iterasi 1/30 - Best Fitness: 99.5

Total conflicts: 74, Preference conflicts: 6

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Total conflicts: 74, Preference conflicts: 10

Total conflicts: 89, Preference conflicts: 10

Iterasi 2/30 - Best Fitness: 76.5

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Iterasi 3/30 - Best Fitness: 66.5

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Iterasi 4/30 - Best Fitness: 63.5

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Iterasi 5/30 - Best Fitness: 63.5

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Iterasi 6/30 - Best Fitness: 63.5

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Iterasi 7/30 - Best Fitness: 63.5

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Iterasi 8/30 - Best Fitness: 62.0

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Iterasi 9/30 - Best Fitness: 53.0

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Iterasi 10/30 - Best Fitness: 47.5

Total conflicts: 62, Preference conflicts: 9

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Total conflicts: 76, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 4

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Total conflicts: 60, Preference conflicts: 6

Iterasi 11/30 - Best Fitness: 47.5

Total conflicts: 67, Preference conflicts: 4

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Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 71, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 54, Preference conflicts: 8

Iterasi 12/30 - Best Fitness: 47.5

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Total conflicts: 60, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 47.5

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Iterasi 14/30 - Best Fitness: 47.5

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Iterasi 15/30 - Best Fitness: 47.5

Total conflicts: 76, Preference conflicts: 8

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Total conflicts: 66, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Iterasi 16/30 - Best Fitness: 47.5

Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 65, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 8

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Total conflicts: 71, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 4

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Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 47.5

Total conflicts: 69, Preference conflicts: 11

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Iterasi 18/30 - Best Fitness: 45.5

Total conflicts: 68, Preference conflicts: 10

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Total conflicts: 57, Preference conflicts: 11

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Iterasi 19/30 - Best Fitness: 45.5

Total conflicts: 62, Preference conflicts: 6

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Iterasi 20/30 - Best Fitness: 45.5

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Iterasi 21/30 - Best Fitness: 45.5

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Iterasi 22/30 - Best Fitness: 45.5

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Total conflicts: 53, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 10

Iterasi 23/30 - Best Fitness: 45.5

Total conflicts: 70, Preference conflicts: 5

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Iterasi 24/30 - Best Fitness: 45.5

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Iterasi 25/30 - Best Fitness: 45.5

Total conflicts: 83, Preference conflicts: 8

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Iterasi 26/30 - Best Fitness: 41.0

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Total conflicts: 65, Preference conflicts: 11

Iterasi 27/30 - Best Fitness: 41.0

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 58, Preference conflicts: 12

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Total conflicts: 66, Preference conflicts: 10

Iterasi 28/30 - Best Fitness: 36.5

Total conflicts: 73, Preference conflicts: 7

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Total conflicts: 63, Preference conflicts: 5

Iterasi 29/30 - Best Fitness: 36.5

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Iterasi 30/30 - Best Fitness: 36.5

Total conflicts: 79, Preference conflicts: 10

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Optimasi Selesai!

Best Fitness: 36.5

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{'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [734, 231]}, {'ruang': '4.1.5.62', 'hari': 'rabu', 'slot\_ids': [231, 735]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [261, 765]}, {'ruang': '4.1.5.55', 'hari': 'kamis', 'slot\_ids': [262, 766]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [362, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [363, 867]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [363, 868]}, {'ruang': '4.1.5.59', 'hari': 'jumat', 'slot\_ids': [869, 1374]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [889, 1393]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [889, 386]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [889, 1394]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1393, 386]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [1393, 890]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [386, 890]}, {'ruang': '4.1.5.61', 'hari': 'jumat', 'slot\_ids': [386, 1394]}, {'ruang': '4.1.5.61', 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Populasi 25, Eksperimen 6/30 selesai

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Total conflicts: 93, Preference conflicts: 16

Total conflicts: 96, Preference conflicts: 19

Total conflicts: 104, Preference conflicts: 21

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Total conflicts: 106, Preference conflicts: 16

Total conflicts: 110, Preference conflicts: 14

Total conflicts: 89, Preference conflicts: 18

Total conflicts: 98, Preference conflicts: 14

Total conflicts: 112, Preference conflicts: 15

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Total conflicts: 100, Preference conflicts: 15

Total conflicts: 94, Preference conflicts: 19

Total conflicts: 98, Preference conflicts: 19

Total conflicts: 100, Preference conflicts: 15

Total conflicts: 94, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 110, Preference conflicts: 14

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 100, Preference conflicts: 16

Total conflicts: 93, Preference conflicts: 14

Total conflicts: 107, Preference conflicts: 17

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 109, Preference conflicts: 15

Total conflicts: 105, Preference conflicts: 12

Populasi awal: [108.5, 101.0, 105.5, 114.5, 117.5, 114.0, 117.0, 98.0, 105.0, 119.5, 109.0, 107.5, 103.5, 107.5, 107.5, 101.5, 104.5, 117.0, 109.0, 108.0, 100.0, 115.5, 99.5, 116.5, 111.0]

Iterasi 1/30 - Best Fitness: 98.0

Total conflicts: 80, Preference conflicts: 7

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 91, Preference conflicts: 6

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Total conflicts: 89, Preference conflicts: 10

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Total conflicts: 89, Preference conflicts: 6

Total conflicts: 88, Preference conflicts: 5

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Total conflicts: 77, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Total conflicts: 83, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 15

Iterasi 2/30 - Best Fitness: 80.5

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 84, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 13

Total conflicts: 76, Preference conflicts: 12

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 12

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Total conflicts: 80, Preference conflicts: 9

Total conflicts: 88, Preference conflicts: 10

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Total conflicts: 89, Preference conflicts: 13

Total conflicts: 83, Preference conflicts: 9

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Total conflicts: 85, Preference conflicts: 7

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Total conflicts: 80, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 83, Preference conflicts: 8

Iterasi 3/30 - Best Fitness: 68.0

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 8

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Total conflicts: 75, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 10

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Total conflicts: 77, Preference conflicts: 11

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 81, Preference conflicts: 8

Iterasi 4/30 - Best Fitness: 68.0

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 10

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Total conflicts: 76, Preference conflicts: 6

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Total conflicts: 77, Preference conflicts: 9

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 7

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Total conflicts: 77, Preference conflicts: 7

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Total conflicts: 71, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 11

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 12

Iterasi 5/30 - Best Fitness: 65.5

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 7

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Total conflicts: 63, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 12

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Total conflicts: 84, Preference conflicts: 12

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 6

Iterasi 6/30 - Best Fitness: 54.5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 10

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Total conflicts: 70, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 5

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Total conflicts: 75, Preference conflicts: 10

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Total conflicts: 63, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Iterasi 7/30 - Best Fitness: 54.5

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 11

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 75, Preference conflicts: 12

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Total conflicts: 69, Preference conflicts: 6

Total conflicts: 72, Preference conflicts: 13

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Iterasi 8/30 - Best Fitness: 54.5

Total conflicts: 75, Preference conflicts: 11

Total conflicts: 58, Preference conflicts: 7

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Total conflicts: 73, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 3

Iterasi 9/30 - Best Fitness: 54.5

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

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Total conflicts: 60, Preference conflicts: 9

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Total conflicts: 75, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 58, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 54.5

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 12

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Total conflicts: 65, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 5

Iterasi 11/30 - Best Fitness: 54.5

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 13

Total conflicts: 64, Preference conflicts: 7

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Total conflicts: 64, Preference conflicts: 9

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Total conflicts: 60, Preference conflicts: 13

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 12

Iterasi 12/30 - Best Fitness: 52.0

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 58, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 69, Preference conflicts: 12

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Total conflicts: 76, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 6

Iterasi 13/30 - Best Fitness: 52.0

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 13

Total conflicts: 56, Preference conflicts: 6

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Total conflicts: 62, Preference conflicts: 6

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Total conflicts: 74, Preference conflicts: 6

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 6

Iterasi 14/30 - Best Fitness: 52.0

Total conflicts: 70, Preference conflicts: 8

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Total conflicts: 77, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 3

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 52, Preference conflicts: 7

Iterasi 15/30 - Best Fitness: 52.0

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 6

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Total conflicts: 72, Preference conflicts: 6

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Total conflicts: 63, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 8

Iterasi 16/30 - Best Fitness: 52.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 65, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 12

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 6

Iterasi 17/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 8

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 4

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 53, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 63, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 13

Total conflicts: 53, Preference conflicts: 6

Iterasi 19/30 - Best Fitness: 52.0

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 64, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 63, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 11

Total conflicts: 49, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 66, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 4

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 47, Preference conflicts: 6

Iterasi 20/30 - Best Fitness: 50.0

Total conflicts: 63, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 3

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Total conflicts: 69, Preference conflicts: 11

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Total conflicts: 49, Preference conflicts: 7

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Total conflicts: 67, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 3

Total conflicts: 60, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 5

Iterasi 21/30 - Best Fitness: 50.0

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 11

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 7

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Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 42, Preference conflicts: 9

Iterasi 22/30 - Best Fitness: 46.5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 12

Total conflicts: 57, Preference conflicts: 10

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 55, Preference conflicts: 7

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Total conflicts: 67, Preference conflicts: 11

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Total conflicts: 57, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 4

Total conflicts: 44, Preference conflicts: 13

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 60, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 51, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 56, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 46.5

Total conflicts: 52, Preference conflicts: 6

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 52, Preference conflicts: 4

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 6

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Total conflicts: 56, Preference conflicts: 9

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Total conflicts: 50, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 10

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Total conflicts: 74, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 76, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 6

Iterasi 24/30 - Best Fitness: 46.5

Total conflicts: 69, Preference conflicts: 3

Total conflicts: 57, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 10

Total conflicts: 49, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 5

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Total conflicts: 58, Preference conflicts: 10

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Total conflicts: 67, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

Iterasi 25/30 - Best Fitness: 46.5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 8

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Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 78, Preference conflicts: 10

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Total conflicts: 61, Preference conflicts: 7

Iterasi 26/30 - Best Fitness: 46.5

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 8

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Total conflicts: 72, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 15

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 53, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 4

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Total conflicts: 76, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 7

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Total conflicts: 80, Preference conflicts: 7

Total conflicts: 49, Preference conflicts: 6

Iterasi 27/30 - Best Fitness: 46.5

Total conflicts: 58, Preference conflicts: 9

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Total conflicts: 65, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 10

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Total conflicts: 60, Preference conflicts: 8

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Total conflicts: 50, Preference conflicts: 6

Iterasi 28/30 - Best Fitness: 46.5

Total conflicts: 61, Preference conflicts: 7

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Total conflicts: 71, Preference conflicts: 3

Total conflicts: 48, Preference conflicts: 6

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Total conflicts: 64, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 52, Preference conflicts: 5

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Total conflicts: 62, Preference conflicts: 8

Total conflicts: 48, Preference conflicts: 3

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Total conflicts: 68, Preference conflicts: 10

Total conflicts: 57, Preference conflicts: 6

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 65, Preference conflicts: 12

Total conflicts: 53, Preference conflicts: 6

Iterasi 29/30 - Best Fitness: 46.5

Total conflicts: 51, Preference conflicts: 5

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Total conflicts: 77, Preference conflicts: 11

Total conflicts: 70, Preference conflicts: 3

Total conflicts: 55, Preference conflicts: 9

Iterasi 30/30 - Best Fitness: 46.5

Total conflicts: 49, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 59, Preference conflicts: 4

Total conflicts: 63, Preference conflicts: 3

Total conflicts: 44, Preference conflicts: 4

Total conflicts: 68, Preference conflicts: 9

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Total conflicts: 73, Preference conflicts: 9

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Total conflicts: 58, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 53, Preference conflicts: 6

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Total conflicts: 65, Preference conflicts: 9

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Total conflicts: 63, Preference conflicts: 5

Optimasi Selesai!

Best Fitness: 46.5

Detail Konflik: {'conflict\_temp\_ids': {129, 131, 135, 136, 138, 10, 140, 19, 149, 22, 151, 23, 24, 154, 32, 161, 34, 33, 36, 164, 166, 41, 49, 54, 55, 60, 68, 69, 70, 75, 79, 94, 95, 98, 99, 100, 101, 108, 109, 111, 115, 124}, 'room\_consistency\_conflicts': [{'temp\_id': 95, 'ruangan': ['4.1.5.62', '4.1.5.63'], 'slot\_ids': [79, 80, 405]}], 'semester\_consistency\_conflicts': [], 'teacher\_conflicts': [], 'room\_conflicts': [{'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [507, 1012]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [508, 1012]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 1013]}, {'ruang': '4.1.5.55', 'hari': 'senin', 'slot\_ids': [509, 1014]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [521, 1026]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [522, 1026]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 1027]}, {'ruang': '4.1.5.57', 'hari': 'senin', 'slot\_ids': [523, 1028]}, {'ruang': '4.1.5.57', 'hari': 'senin', 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Populasi 25, Eksperimen 7/30 selesai

Total conflicts: 107, Preference conflicts: 17

Total conflicts: 100, Preference conflicts: 18

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 105, Preference conflicts: 15

Total conflicts: 92, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 15

Total conflicts: 97, Preference conflicts: 18

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Total conflicts: 101, Preference conflicts: 16

Total conflicts: 102, Preference conflicts: 19

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Total conflicts: 95, Preference conflicts: 12

Total conflicts: 103, Preference conflicts: 15

Total conflicts: 104, Preference conflicts: 14

Total conflicts: 106, Preference conflicts: 17

Total conflicts: 106, Preference conflicts: 14

Total conflicts: 96, Preference conflicts: 10

Total conflicts: 97, Preference conflicts: 22

Populasi awal: [115.5, 109.0, 111.0, 112.5, 99.5, 104.5, 106.0, 105.0, 107.0, 120.0, 97.0, 112.0, 107.5, 109.0, 111.5, 119.5, 112.5, 106.0, 101.0, 110.5, 111.0, 114.5, 113.0, 101.0, 108.0]

Iterasi 1/30 - Best Fitness: 97.0

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 75, Preference conflicts: 9

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 76, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 82, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 78, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 12

Total conflicts: 88, Preference conflicts: 12

Total conflicts: 86, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 7

Total conflicts: 78, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 86, Preference conflicts: 13

Total conflicts: 84, Preference conflicts: 4

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 82, Preference conflicts: 14

Total conflicts: 80, Preference conflicts: 7

Iterasi 2/30 - Best Fitness: 72.0

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 88, Preference conflicts: 14

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 12

Total conflicts: 60, Preference conflicts: 8

Total conflicts: 79, Preference conflicts: 8

Total conflicts: 80, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 15

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 9

Total conflicts: 87, Preference conflicts: 9

Total conflicts: 79, Preference conflicts: 10

Total conflicts: 85, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 13

Total conflicts: 88, Preference conflicts: 14

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 12

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 8

Total conflicts: 85, Preference conflicts: 10

Iterasi 3/30 - Best Fitness: 64.0

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 14

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 11

Total conflicts: 75, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 70, Preference conflicts: 12

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 82, Preference conflicts: 11

Total conflicts: 85, Preference conflicts: 10

Iterasi 4/30 - Best Fitness: 64.0

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 79, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 84, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 13

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 73, Preference conflicts: 5

Total conflicts: 76, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 10

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Total conflicts: 75, Preference conflicts: 6

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 71, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 83, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 11

Total conflicts: 78, Preference conflicts: 8

Iterasi 5/30 - Best Fitness: 64.0

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 81, Preference conflicts: 7

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 8

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Total conflicts: 74, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

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Total conflicts: 83, Preference conflicts: 11

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 62, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 10

Iterasi 6/30 - Best Fitness: 64.0

Total conflicts: 62, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 55, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 15

Total conflicts: 74, Preference conflicts: 7

Total conflicts: 77, Preference conflicts: 9

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Total conflicts: 68, Preference conflicts: 9

Total conflicts: 71, Preference conflicts: 9

Total conflicts: 80, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 87, Preference conflicts: 4

Iterasi 7/30 - Best Fitness: 57.0

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 5

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 12

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 52, Preference conflicts: 9

Total conflicts: 76, Preference conflicts: 8

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Total conflicts: 81, Preference conflicts: 5

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Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 68, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 11

Iterasi 8/30 - Best Fitness: 56.5

Total conflicts: 75, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 76, Preference conflicts: 9

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Total conflicts: 53, Preference conflicts: 10

Total conflicts: 65, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 8

Iterasi 9/30 - Best Fitness: 56.5

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 74, Preference conflicts: 12

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Total conflicts: 67, Preference conflicts: 10

Total conflicts: 52, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 5

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 9

Iterasi 10/30 - Best Fitness: 56.0

Total conflicts: 69, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 7

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Total conflicts: 57, Preference conflicts: 4

Total conflicts: 74, Preference conflicts: 9

Total conflicts: 60, Preference conflicts: 13

Total conflicts: 71, Preference conflicts: 10

Iterasi 11/30 - Best Fitness: 54.0

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 10

Total conflicts: 77, Preference conflicts: 5

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Total conflicts: 69, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 14

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 6

Total conflicts: 61, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 3

Iterasi 12/30 - Best Fitness: 54.0

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 81, Preference conflicts: 5

Total conflicts: 80, Preference conflicts: 3

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 6

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Total conflicts: 67, Preference conflicts: 4

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Total conflicts: 65, Preference conflicts: 12

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 7

Iterasi 13/30 - Best Fitness: 54.0

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 70, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 5

Total conflicts: 71, Preference conflicts: 13

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Total conflicts: 86, Preference conflicts: 11

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Total conflicts: 78, Preference conflicts: 12

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Total conflicts: 63, Preference conflicts: 13

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 69, Preference conflicts: 5

Total conflicts: 58, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 7

Iterasi 14/30 - Best Fitness: 54.0

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 79, Preference conflicts: 7

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 5

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 72, Preference conflicts: 10

Total conflicts: 87, Preference conflicts: 8

Total conflicts: 57, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 53, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 9

Total conflicts: 62, Preference conflicts: 12

Total conflicts: 67, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 5

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Total conflicts: 74, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 6

Iterasi 15/30 - Best Fitness: 54.0

Total conflicts: 68, Preference conflicts: 5

Total conflicts: 59, Preference conflicts: 8

Total conflicts: 70, Preference conflicts: 8

Total conflicts: 65, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 7

Total conflicts: 85, Preference conflicts: 8

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 74, Preference conflicts: 11

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Total conflicts: 69, Preference conflicts: 9

Total conflicts: 74, Preference conflicts: 6

Total conflicts: 74, Preference conflicts: 10

Total conflicts: 61, Preference conflicts: 9

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 11

Total conflicts: 77, Preference conflicts: 8

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 77, Preference conflicts: 12

Iterasi 16/30 - Best Fitness: 54.0

Total conflicts: 62, Preference conflicts: 15

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 8

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Total conflicts: 59, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 10

Total conflicts: 76, Preference conflicts: 11

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Total conflicts: 69, Preference conflicts: 8

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 60, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 7

Total conflicts: 61, Preference conflicts: 10

Total conflicts: 72, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 5

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Total conflicts: 63, Preference conflicts: 7

Total conflicts: 73, Preference conflicts: 6

Total conflicts: 63, Preference conflicts: 8

Total conflicts: 55, Preference conflicts: 8

Total conflicts: 75, Preference conflicts: 9

Iterasi 17/30 - Best Fitness: 53.5

Total conflicts: 62, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 7

Total conflicts: 69, Preference conflicts: 11

Total conflicts: 71, Preference conflicts: 6

Total conflicts: 62, Preference conflicts: 6

Total conflicts: 57, Preference conflicts: 8

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Total conflicts: 73, Preference conflicts: 8

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Total conflicts: 64, Preference conflicts: 10

Total conflicts: 69, Preference conflicts: 8

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Total conflicts: 59, Preference conflicts: 11

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Total conflicts: 72, Preference conflicts: 12

Total conflicts: 54, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 4

Total conflicts: 65, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 9

Total conflicts: 61, Preference conflicts: 6

Total conflicts: 66, Preference conflicts: 8

Iterasi 18/30 - Best Fitness: 53.5

Total conflicts: 71, Preference conflicts: 5

Total conflicts: 62, Preference conflicts: 5

Total conflicts: 77, Preference conflicts: 7

Total conflicts: 66, Preference conflicts: 10

Total conflicts: 75, Preference conflicts: 8

Total conflicts: 59, Preference conflicts: 6

Total conflicts: 54, Preference conflicts: 7

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 72, Preference conflicts: 9

Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 10

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Total conflicts: 62, Preference conflicts: 6

Total conflicts: 59, Preference conflicts: 7

Total conflicts: 58, Preference conflicts: 10

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Total conflicts: 66, Preference conflicts: 4

Total conflicts: 67, Preference conflicts: 7

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Total conflicts: 58, Preference conflicts: 7

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 61, Preference conflicts: 8

Total conflicts: 66, Preference conflicts: 7

Iterasi 19/30 - Best Fitness: 52.0

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 82, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 8

Total conflicts: 69, Preference conflicts: 7

Total conflicts: 56, Preference conflicts: 9

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 51, Preference conflicts: 9

Total conflicts: 64, Preference conflicts: 6

Total conflicts: 76, Preference conflicts: 7

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Total conflicts: 61, Preference conflicts: 5

Total conflicts: 67, Preference conflicts: 6

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Total conflicts: 70, Preference conflicts: 8

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Total conflicts: 70, Preference conflicts: 5

Total conflicts: 64, Preference conflicts: 8

Iterasi 20/30 - Best Fitness: 52.0

Total conflicts: 64, Preference conflicts: 9

Total conflicts: 68, Preference conflicts: 10

Total conflicts: 68, Preference conflicts: 11

Total conflicts: 62, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 11

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Total conflicts: 62, Preference conflicts: 7

Total conflicts: 60, Preference conflicts: 6

Total conflicts: 65, Preference conflicts: 5

Total conflicts: 70, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 13

Total conflicts: 65, Preference conflicts: 9

Iterasi 21/30 - Best Fitness: 52.0

Total conflicts: 46, Preference conflicts: 6

Total conflicts: 78, Preference conflicts: 4

Total conflicts: 69, Preference conflicts: 9

Total conflicts: 65, Preference conflicts: 7

Total conflicts: 57, Preference conflicts: 5

Total conflicts: 72, Preference conflicts: 4

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Total conflicts: 71, Preference conflicts: 8

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Total conflicts: 66, Preference conflicts: 8

Total conflicts: 51, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 10

Total conflicts: 66, Preference conflicts: 3

Total conflicts: 67, Preference conflicts: 6

Iterasi 22/30 - Best Fitness: 49.0

Total conflicts: 63, Preference conflicts: 9

Total conflicts: 75, Preference conflicts: 14

Total conflicts: 81, Preference conflicts: 8

Total conflicts: 67, Preference conflicts: 9

Total conflicts: 56, Preference conflicts: 11

Total conflicts: 65, Preference conflicts: 13

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Total conflicts: 70, Preference conflicts: 8

Iterasi 23/30 - Best Fitness: 49.0

Total conflicts: 71, Preference conflicts: 13

Total conflicts: 77, Preference conflicts: 6

Total conflicts: 80, Preference conflicts: 10

Total conflicts: 63, Preference conflicts: 9

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Total conflicts: 63, Preference conflicts: 10

Total conflicts: 67, Preference conflicts: 11

Total conflicts: 50, Preference conflicts: 5

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Iterasi 24/30 - Best Fitness: 48.5

Total conflicts: 76, Preference conflicts: 10

Total conflicts: 73, Preference conflicts: 10

Total conflicts: 64, Preference conflicts: 8

Total conflicts: 64, Preference conflicts: 7

Total conflicts: 55, Preference conflicts: 6

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Total conflicts: 45, Preference conflicts: 6

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Total conflicts: 58, Preference conflicts: 8

Total conflicts: 53, Preference conflicts: 11

Total conflicts: 73, Preference conflicts: 8

Iterasi 25/30 - Best Fitness: 48.0

Iterasi 30/30 - Best Fitness: 45.0

Optimasi Selesai!

Best Fitness: 45.0

Populasi 25, Eksperimen 8/30 selesai

Iterasi 5/30 - Best Fitness: 61.0

Iterasi 10/30 - Best Fitness: 55.0

Iterasi 15/30 - Best Fitness: 53.0

Iterasi 20/30 - Best Fitness: 49.5

Iterasi 25/30 - Best Fitness: 49.0

Iterasi 30/30 - Best Fitness: 42.0

Optimasi Selesai!

Best Fitness: 42.0

Populasi 25, Eksperimen 9/30 selesai

Iterasi 5/30 - Best Fitness: 62.5

Iterasi 10/30 - Best Fitness: 48.0

Iterasi 15/30 - Best Fitness: 48.0

Iterasi 20/30 - Best Fitness: 44.5

Iterasi 25/30 - Best Fitness: 44.5

Iterasi 30/30 - Best Fitness: 44.5

Optimasi Selesai!

Best Fitness: 44.5

Populasi 25, Eksperimen 10/30 selesai