Populasi awal: [110.0, 117.0, 91.5, 111.0, 103.5, 107.0, 106.0, 119.5, 110.0, 110.0, 105.0, 115.0, 109.5, 114.5, 105.5, 112.0, 105.0, 101.5, 112.5, 113.0, 99.5, 101.5, 115.5, 107.5, 104.0, 100.0, 98.0, 100.5, 114.0, 106.5]

Iterasi 5/30 - Best Fitness: 62.0

Iterasi 10/30 - Best Fitness: 58.0

Iterasi 15/30 - Best Fitness: 50.0

Iterasi 20/30 - Best Fitness: 49.0

Iterasi 25/30 - Best Fitness: 49.0

Iterasi 30/30 - Best Fitness: 45.0

Optimasi Selesai!

Best Fitness: 45.0

Populasi 30, Eksperimen 1/30 selesai

Populasi awal: [118.0, 118.0, 109.0, 113.0, 108.5, 114.0, 104.0, 107.5, 114.5, 104.5, 108.5, 111.0, 111.0, 102.5, 97.0, 100.0, 112.5, 106.5, 116.5, 99.5, 113.5, 96.0, 106.5, 114.0, 121.5, 108.0, 109.5, 107.5, 98.0, 105.5]

Iterasi 5/30 - Best Fitness: 67.0

Iterasi 10/30 - Best Fitness: 54.0

Iterasi 15/30 - Best Fitness: 49.0

Iterasi 20/30 - Best Fitness: 49.0

Iterasi 25/30 - Best Fitness: 46.0

Iterasi 30/30 - Best Fitness: 45.5

Optimasi Selesai!

Best Fitness: 45.5

Populasi 30, Eksperimen 2/30 selesai

Populasi awal: [108.5, 116.5, 112.0, 107.0, 95.5, 119.0, 105.0, 99.0, 110.5, 115.0, 107.5, 96.5, 122.5, 113.0, 104.0, 102.0, 109.5, 100.5, 109.0, 113.0, 100.0, 107.5, 110.0, 112.5, 111.0, 114.5, 104.5, 109.0, 103.5, 123.5]

Iterasi 5/30 - Best Fitness: 61.5

Iterasi 10/30 - Best Fitness: 56.0

Iterasi 15/30 - Best Fitness: 51.0

Iterasi 20/30 - Best Fitness: 45.0

Iterasi 25/30 - Best Fitness: 45.0

Iterasi 30/30 - Best Fitness: 45.0

Optimasi Selesai!

Best Fitness: 45.0

Populasi 30, Eksperimen 3/30 selesai

Iterasi 5/30 - Best Fitness: 53.0

Iterasi 10/30 - Best Fitness: 49.5

Iterasi 15/30 - Best Fitness: 49.5

Iterasi 20/30 - Best Fitness: 49.5

Iterasi 25/30 - Best Fitness: 41.5

Iterasi 30/30 - Best Fitness: 41.5

Optimasi Selesai!

Best Fitness: 41.5

Populasi 30, Eksperimen 4/30 selesai

Populasi awal: [101.0, 110.0, 92.0, 110.5, 112.0, 111.5, 109.5, 107.0, 106.0, 104.5, 115.0, 92.0, 99.5, 112.0, 98.0, 109.0, 110.0, 112.0, 105.5, 106.0, 114.5, 107.5, 99.0, 108.5, 110.5, 92.5, 104.5, 117.0, 103.5, 99.0]

Iterasi 5/30 - Best Fitness: 60.5

Iterasi 10/30 - Best Fitness: 43.0

Iterasi 15/30 - Best Fitness: 43.0

Iterasi 20/30 - Best Fitness: 43.0

Iterasi 25/30 - Best Fitness: 43.0

Iterasi 30/30 - Best Fitness: 43.0

Optimasi Selesai!

Best Fitness: 43.0

Populasi 30, Eksperimen 5/30 selesai

Populasi awal: [105.5, 111.5, 116.5, 106.5, 113.5, 101.5, 106.5, 112.5, 106.5, 93.5, 100.0, 99.5, 105.5, 105.0, 107.5, 96.5, 96.5, 115.0, 103.5, 101.0, 96.0, 106.0, 102.0, 116.5, 117.0, 106.5, 96.5, 118.5, 108.0, 110.5]

Iterasi 5/30 - Best Fitness: 62.0

Iterasi 10/30 - Best Fitness: 48.0

Iterasi 15/30 - Best Fitness: 48.0

Iterasi 20/30 - Best Fitness: 48.0

Iterasi 25/30 - Best Fitness: 48.0

Iterasi 30/30 - Best Fitness: 48.0

Optimasi Selesai!

Best Fitness: 48.0

Populasi 30, Eksperimen 6/30 selesai

Populasi awal: [120.5, 114.0, 111.0, 109.5, 101.0, 124.0, 110.0, 106.0, 110.5, 103.0, 115.0, 107.5, 112.5, 114.5, 103.5, 125.5, 110.5, 113.5, 106.0, 110.5, 99.0, 108.0, 106.5, 107.0, 108.5, 119.0, 112.0, 108.0, 97.5, 108.5]

Iterasi 5/30 - Best Fitness: 54.5

Iterasi 10/30 - Best Fitness: 43.0

Iterasi 15/30 - Best Fitness: 43.0

Iterasi 20/30 - Best Fitness: 43.0

Iterasi 25/30 - Best Fitness: 42.5

Iterasi 30/30 - Best Fitness: 42.5

Optimasi Selesai!

Best Fitness: 42.5

Populasi 30, Eksperimen 7/30 selesai

Populasi awal: [107.5, 112.0, 113.5, 99.0, 96.5, 117.0, 115.5, 107.5, 109.0, 96.5, 105.0, 104.5, 103.5, 118.5, 105.5, 119.5, 102.0, 111.0, 112.0, 109.5, 113.0, 89.5, 106.0, 110.0, 115.0, 117.0, 111.0, 108.5, 107.5, 101.5]

Iterasi 5/30 - Best Fitness: 57.0

Iterasi 10/30 - Best Fitness: 53.5

Iterasi 15/30 - Best Fitness: 52.0

Iterasi 20/30 - Best Fitness: 42.5

Iterasi 25/30 - Best Fitness: 42.5

Iterasi 30/30 - Best Fitness: 42.5

Optimasi Selesai!

Best Fitness: 42.5

Populasi 30, Eksperimen 8/30 selesai

Populasi awal: [109.5, 119.0, 106.5, 109.0, 96.5, 109.0, 102.5, 103.0, 107.0, 119.0, 108.0, 116.5, 108.5, 108.0, 115.0, 115.0, 115.0, 108.0, 108.0, 116.5, 107.0, 123.0, 111.5, 98.5, 101.0, 104.5, 104.5, 100.5, 112.5, 100.5]

Iterasi 5/30 - Best Fitness: 63.0

Iterasi 10/30 - Best Fitness: 50.5

Iterasi 15/30 - Best Fitness: 47.5

Iterasi 20/30 - Best Fitness: 46.0

Iterasi 25/30 - Best Fitness: 46.0

Iterasi 30/30 - Best Fitness: 46.0

Optimasi Selesai!

Best Fitness: 46.0

Populasi 30, Eksperimen 9/30 selesai

Populasi awal: [119.5, 110.0, 115.5, 118.5, 110.0, 94.0, 109.0, 102.0, 109.5, 102.5, 98.0, 112.0, 108.5, 105.0, 99.5, 118.5, 114.0, 97.5, 102.5, 106.5, 121.0, 102.5, 108.5, 118.5, 113.5, 104.5, 114.0, 116.5, 99.5, 111.5]

Iterasi 5/30 - Best Fitness: 63.5

Iterasi 10/30 - Best Fitness: 58.5

Iterasi 15/30 - Best Fitness: 52.5

Iterasi 20/30 - Best Fitness: 41.5

Iterasi 25/30 - Best Fitness: 41.5

Iterasi 30/30 - Best Fitness: 41.5

Optimasi Selesai!

Best Fitness: 41.5

Populasi 30, Eksperimen 10/30 selesai

Populasi awal: [105.0, 109.0, 107.0, 118.0, 115.0, 107.0, 95.0, 113.5, 112.0, 103.5, 113.5, 112.5, 108.0, 109.5, 104.0, 108.0, 105.0, 116.5, 102.5, 110.5, 98.5, 104.0, 102.5, 109.0, 117.0, 118.0, 111.5, 107.5, 97.0, 104.0]

Iterasi 5/30 - Best Fitness: 61.5

Iterasi 10/30 - Best Fitness: 47.5

Iterasi 15/30 - Best Fitness: 47.0

Iterasi 20/30 - Best Fitness: 45.0

Iterasi 25/30 - Best Fitness: 44.5

Iterasi 30/30 - Best Fitness: 44.5

Optimasi Selesai!

Best Fitness: 44.5

Populasi 30, Eksperimen 11/30 selesai

Populasi awal: [115.5, 109.0, 102.5, 109.0, 108.0, 121.0, 96.0, 91.5, 115.0, 99.5, 111.5, 120.0, 93.5, 94.0, 112.0, 104.0, 113.5, 114.0, 113.0, 107.5, 109.5, 110.0, 108.0, 107.0, 108.5, 110.5, 116.5, 115.0, 119.5, 115.5]

Iterasi 5/30 - Best Fitness: 59.0

Iterasi 10/30 - Best Fitness: 58.5

Iterasi 15/30 - Best Fitness: 56.0

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 30, Eksperimen 12/30 selesai

Populasi awal: [116.5, 104.0, 108.5, 105.5, 104.0, 112.5, 111.5, 98.5, 102.5, 121.5, 106.0, 115.5, 109.5, 106.0, 105.5, 112.0, 106.5, 119.0, 102.5, 110.0, 117.5, 109.0, 97.0, 104.0, 114.5, 103.5, 108.0, 105.5, 112.0, 107.5]

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: 46.0

Iterasi 25/30 - Best Fitness: 45.5

Iterasi 30/30 - Best Fitness: 43.0

Optimasi Selesai!

Best Fitness: 43.0

Populasi 30, Eksperimen 13/30 selesai

Populasi awal: [99.0, 109.0, 107.5, 109.5, 109.0, 107.5, 99.0, 102.5, 118.0, 111.5, 107.0, 105.0, 123.0, 107.0, 109.5, 118.5, 106.0, 106.0, 113.0, 111.0, 110.5, 94.5, 113.0, 112.5, 109.0, 96.0, 116.5, 107.0, 114.5, 115.0]

Iterasi 5/30 - Best Fitness: 56.5

Iterasi 10/30 - Best Fitness: 51.5

Iterasi 15/30 - Best Fitness: 51.5

Iterasi 20/30 - Best Fitness: 51.0

Iterasi 25/30 - Best Fitness: 46.5

Iterasi 30/30 - Best Fitness: 44.0

Optimasi Selesai!

Best Fitness: 44.0

Populasi 30, Eksperimen 14/30 selesai

Populasi awal: [105.0, 104.5, 100.0, 94.5, 117.0, 101.0, 105.5, 114.5, 98.0, 117.0, 100.0, 111.5, 111.5, 103.0, 100.0, 104.0, 107.5, 115.0, 92.5, 104.5, 113.5, 115.5, 108.0, 107.5, 114.0, 114.5, 108.5, 112.5, 93.5, 111.0]

Iterasi 5/30 - Best Fitness: 57.5

Iterasi 10/30 - Best Fitness: 54.5

Iterasi 15/30 - Best Fitness: 53.0

Iterasi 20/30 - Best Fitness: 47.0

Iterasi 25/30 - Best Fitness: 47.0

Iterasi 30/30 - Best Fitness: 47.0

Optimasi Selesai!

Best Fitness: 47.0

Populasi 30, Eksperimen 15/30 selesai

Populasi awal: [101.5, 105.5, 119.5, 114.0, 117.5, 107.0, 109.0, 108.0, 102.5, 125.5, 108.0, 103.5, 119.0, 109.5, 120.5, 110.0, 107.0, 100.0, 109.0, 112.5, 112.5, 111.5, 110.0, 105.0, 116.5, 118.0, 109.5, 114.5, 97.5, 117.0]

Iterasi 5/30 - Best Fitness: 56.0

Iterasi 10/30 - Best Fitness: 52.0

Iterasi 15/30 - Best Fitness: 49.0

Iterasi 20/30 - Best Fitness: 49.0

Iterasi 25/30 - Best Fitness: 49.0

Iterasi 30/30 - Best Fitness: 46.5

Optimasi Selesai!

Best Fitness: 46.5

Populasi 30, Eksperimen 16/30 selesai

Populasi awal: [98.5, 109.0, 105.0, 110.5, 108.0, 108.0, 109.0, 109.5, 108.0, 109.5, 108.0, 91.0, 112.0, 117.0, 109.0, 112.0, 103.5, 104.5, 106.5, 109.5, 110.0, 104.5, 112.5, 105.0, 111.0, 109.0, 94.0, 111.5, 100.5, 105.5]

Iterasi 5/30 - Best Fitness: 61.0

Iterasi 10/30 - Best Fitness: 52.5

Iterasi 15/30 - Best Fitness: 49.0

Iterasi 20/30 - Best Fitness: 49.0

Iterasi 25/30 - Best Fitness: 49.0

Iterasi 30/30 - Best Fitness: 48.0

Optimasi Selesai!

Best Fitness: 48.0

Populasi 30, Eksperimen 17/30 selesai

Populasi awal: [111.5, 109.5, 118.0, 108.5, 107.5, 111.5, 109.0, 117.0, 109.5, 114.5, 112.0, 108.0, 113.0, 98.0, 107.5, 100.0, 98.0, 109.0, 99.0, 94.0, 109.0, 106.0, 96.0, 102.0, 101.0, 96.5, 94.5, 110.0, 118.5, 107.5]

Iterasi 5/30 - Best Fitness: 62.0

Iterasi 10/30 - Best Fitness: 59.5

Iterasi 15/30 - Best Fitness: 55.5

Iterasi 20/30 - Best Fitness: 50.5

Iterasi 25/30 - Best Fitness: 50.5

Iterasi 30/30 - Best Fitness: 43.5

Optimasi Selesai!

Best Fitness: 43.5

Populasi 30, Eksperimen 18/30 selesai

Populasi awal: [102.5, 114.5, 114.0, 113.5, 111.5, 119.5, 101.0, 107.5, 112.5, 110.0, 101.5, 103.5, 101.5, 100.0, 108.5, 120.0, 105.5, 119.0, 108.0, 112.0, 110.5, 111.5, 111.5, 113.0, 102.5, 116.0, 110.0, 101.0, 111.5, 106.0]

Iterasi 5/30 - Best Fitness: 60.5

Iterasi 10/30 - Best Fitness: 59.0

Iterasi 15/30 - Best Fitness: 50.5

Iterasi 20/30 - Best Fitness: 50.5

Iterasi 25/30 - Best Fitness: 47.0

Iterasi 30/30 - Best Fitness: 42.0

Optimasi Selesai!

Best Fitness: 42.0

Populasi 30, Eksperimen 19/30 selesai

Populasi awal: [108.0, 109.5, 119.0, 110.0, 103.0, 109.0, 107.0, 114.5, 109.5, 107.5, 111.5, 93.5, 107.0, 118.0, 104.5, 112.0, 109.5, 120.0, 105.5, 113.0, 100.5, 112.5, 115.5, 112.5, 100.5, 102.5, 109.0, 117.0, 122.5, 111.0]

Iterasi 5/30 - Best Fitness: 53.0

Iterasi 10/30 - Best Fitness: 53.0

Iterasi 15/30 - Best Fitness: 51.0

Iterasi 20/30 - Best Fitness: 49.5

Iterasi 25/30 - Best Fitness: 47.0

Iterasi 30/30 - Best Fitness: 43.0

Optimasi Selesai!

Best Fitness: 43.0

Populasi 30, Eksperimen 20/30 selesai

Populasi awal: [105.5, 113.0, 102.5, 112.0, 107.0, 112.5, 105.0, 105.5, 106.0, 109.0, 106.0, 113.0, 115.0, 100.0, 104.5, 105.5, 117.0, 113.5, 110.5, 107.5, 106.5, 117.5, 94.5, 123.5, 114.0, 104.0, 124.5, 116.5, 102.5, 115.5]

Iterasi 5/30 - Best Fitness: 65.5

Iterasi 10/30 - Best Fitness: 48.0

Iterasi 15/30 - Best Fitness: 48.0

Iterasi 20/30 - Best Fitness: 43.5

Iterasi 25/30 - Best Fitness: 43.5

Iterasi 30/30 - Best Fitness: 43.5

Optimasi Selesai!

Best Fitness: 43.5

Populasi 30, Eksperimen 21/30 selesai

Populasi awal: [96.0, 113.5, 102.5, 106.5, 119.0, 102.0, 114.0, 127.5, 104.0, 115.0, 98.5, 104.5, 107.0, 104.0, 104.0, 113.0, 111.0, 111.5, 108.0, 116.0, 96.0, 117.0, 104.0, 103.0, 100.5, 101.0, 103.0, 112.5, 107.5, 110.0]

Iterasi 5/30 - Best Fitness: 61.0

Iterasi 10/30 - Best Fitness: 48.5

Iterasi 15/30 - Best Fitness: 48.5

Iterasi 20/30 - Best Fitness: 48.5

Iterasi 25/30 - Best Fitness: 48.5

Iterasi 30/30 - Best Fitness: 43.0

Optimasi Selesai!

Best Fitness: 43.0

Populasi 30, Eksperimen 22/30 selesai

Populasi awal: [104.0, 108.0, 107.5, 113.5, 108.5, 114.5, 110.5, 104.5, 102.5, 109.5, 104.0, 108.0, 111.0, 104.0, 91.0, 108.5, 108.0, 109.5, 101.5, 112.5, 110.5, 116.5, 100.5, 99.0, 109.0, 105.5, 112.0, 106.5, 97.5, 106.5]

Iterasi 5/30 - Best Fitness: 56.0

Iterasi 10/30 - Best Fitness: 56.0

Iterasi 15/30 - Best Fitness: 48.5

Iterasi 20/30 - Best Fitness: 40.0

Iterasi 25/30 - Best Fitness: 35.5

Iterasi 30/30 - Best Fitness: 34.5

Optimasi Selesai!

Best Fitness: 34.5

Populasi 30, Eksperimen 23/30 selesai

Populasi awal: [105.5, 106.5, 109.0, 107.5, 107.5, 112.0, 103.5, 104.0, 105.0, 106.0, 101.5, 106.5, 117.0, 104.5, 103.5, 95.0, 99.0, 114.0, 115.5, 111.0, 115.5, 112.0, 109.0, 103.0, 116.5, 101.5, 103.0, 94.5, 102.5, 118.0]

Iterasi 5/30 - Best Fitness: 62.0

Iterasi 10/30 - Best Fitness: 55.0

Iterasi 15/30 - Best Fitness: 48.5

Iterasi 20/30 - Best Fitness: 48.5

Iterasi 25/30 - Best Fitness: 48.5

Iterasi 30/30 - Best Fitness: 42.5

Optimasi Selesai!

Best Fitness: 42.5

Populasi 30, Eksperimen 24/30 selesai

Populasi awal: [116.5, 103.5, 110.0, 109.5, 108.5, 106.5, 105.5, 99.0, 115.0, 104.5, 101.5, 103.0, 110.5, 98.0, 113.5, 104.5, 115.5, 103.0, 113.5, 104.5, 117.5, 103.5, 109.5, 112.0, 111.5, 101.5, 100.5, 105.5, 104.0, 108.5]

Iterasi 5/30 - Best Fitness: 58.5

Iterasi 10/30 - Best Fitness: 53.0

Iterasi 15/30 - Best Fitness: 53.0

Iterasi 20/30 - Best Fitness: 53.0

Iterasi 25/30 - Best Fitness: 47.5

Iterasi 30/30 - Best Fitness: 47.5

Optimasi Selesai!

Best Fitness: 47.5

Populasi 30, Eksperimen 25/30 selesai

Populasi awal: [107.0, 100.0, 103.0, 101.0, 121.5, 104.0, 103.0, 110.0, 109.0, 117.5, 108.0, 100.0, 103.0, 98.0, 105.5, 113.5, 110.5, 105.5, 109.0, 107.0, 113.0, 93.5, 110.5, 99.0, 119.0, 102.0, 105.0, 98.0, 110.5, 110.0]

Iterasi 5/30 - Best Fitness: 60.5

Iterasi 10/30 - Best Fitness: 58.0

Iterasi 15/30 - Best Fitness: 54.0

Iterasi 20/30 - Best Fitness: 42.5

Iterasi 25/30 - Best Fitness: 42.5

Iterasi 30/30 - Best Fitness: 42.5

Optimasi Selesai!

Best Fitness: 42.5

Populasi 30, Eksperimen 26/30 selesai

Populasi awal: [108.0, 101.0, 100.5, 112.5, 102.0, 107.0, 103.5, 119.5, 110.5, 110.5, 111.0, 109.0, 102.5, 102.5, 99.0, 103.0, 95.5, 103.5, 105.5, 106.5, 119.0, 106.5, 104.0, 108.5, 108.5, 105.0, 119.5, 103.0, 103.5, 100.5]

Iterasi 5/30 - Best Fitness: 57.5

Iterasi 10/30 - Best Fitness: 57.5

Iterasi 15/30 - Best Fitness: 38.0

Iterasi 20/30 - Best Fitness: 38.0

Iterasi 25/30 - Best Fitness: 38.0

Iterasi 30/30 - Best Fitness: 38.0

Optimasi Selesai!

Best Fitness: 38.0

Populasi 30, Eksperimen 27/30 selesai

Populasi awal: [109.5, 101.0, 102.5, 109.0, 95.0, 108.0, 117.0, 111.0, 111.5, 114.5, 102.5, 114.0, 120.0, 104.5, 102.0, 116.5, 101.0, 118.5, 111.5, 102.0, 125.0, 92.0, 116.5, 109.0, 110.0, 98.5, 105.0, 100.0, 104.0, 106.0]

Iterasi 5/30 - Best Fitness: 63.5

Iterasi 10/30 - Best Fitness: 52.0

Iterasi 15/30 - Best Fitness: 46.0

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 30, Eksperimen 28/30 selesai

Populasi awal: [107.5, 107.0, 110.0, 114.5, 115.0, 101.0, 96.0, 112.5, 114.0, 105.0, 114.0, 107.5, 104.0, 112.5, 115.0, 107.5, 113.0, 98.0, 95.5, 98.5, 110.5, 111.5, 108.5, 115.0, 111.0, 104.5, 107.0, 110.5, 109.5, 112.5]

Iterasi 5/30 - Best Fitness: 62.5

Iterasi 10/30 - Best Fitness: 46.5

Iterasi 15/30 - Best Fitness: 46.5

Iterasi 20/30 - Best Fitness: 45.5

Iterasi 25/30 - Best Fitness: 44.0

Iterasi 30/30 - Best Fitness: 37.5

Optimasi Selesai!

Best Fitness: 37.5

Populasi 30, Eksperimen 29/30 selesai

Populasi awal: [110.5, 104.5, 110.5, 108.0, 114.5, 106.0, 108.5, 107.0, 114.5, 101.0, 109.5, 113.5, 103.0, 103.0, 103.0, 106.5, 100.5, 110.0, 117.5, 123.0, 102.0, 113.0, 113.0, 105.0, 113.5, 104.5, 106.5, 107.5, 99.0, 107.0]

Iterasi 5/30 - Best Fitness: 51.5

Iterasi 10/30 - Best Fitness: 51.5

Iterasi 15/30 - Best Fitness: 48.0

Iterasi 20/30 - Best Fitness: 47.0

Iterasi 25/30 - Best Fitness: 47.0

Iterasi 30/30 - Best Fitness: 47.0

Optimasi Selesai!

Best Fitness: 47.0

Populasi 30, Eksperimen 30/30 selesai

File Excel berhasil dibuat: Fitness per Iterasi.xlsx