

Round Robin

```
Concurrency Level:      50
Time taken for tests:    0.691 seconds
Complete requests:      500
Failed requests:        333
  (Connect: 0, Receive: 0, Length: 333, Exceptions: 0)
Total transferred:      400002 bytes
HTML transferred:       309502 bytes
Requests per second:    723.30 [#/sec] (mean)
Time per request:       69.128 [ms] (mean)
Time per request:       1.383 [ms] (mean, across all concurrent requests)
Transfer rate:          565.08 [Kbytes/sec] received
```

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	0	3 8.9	0	34
Processing:	3	63 13.1	66	76
Waiting:	0	63 13.4	66	76
Total:	8	66 8.7	67	80

Percentage of the requests served within a certain time (ms)

50%	67
66%	71
75%	72
80%	73
90%	74
95%	74
98%	76
99%	79
100%	80 (longest request)

Grafik Request per Seco

400

300

Least Connection

```

Concurrency Level:      50
Time taken for tests:    0.683 seconds
Complete requests:      500
Failed requests:        333
    (Connect: 0, Receive: 0, Length: 333, Exceptions: 0)
Total transferred:      400002 bytes
HTML transferred:       309502 bytes
Requests per second:    731.59 [#/sec] (mean)
Time per request:       68.345 [ms] (mean)
Time per request:       1.367 [ms] (mean, across all concurrent requests)
Transfer rate:          571.55 [Kbytes/sec] received

Connection Times (ms)
      min    mean[+/-sd] median    max
Connect:    0      2   5.6      0     21
Processing:  4     64  14.4     68     75
Waiting:    1     63  14.6     68     75
Total:      4     65  10.4     68     75

Percentage of the requests served within a certain time (ms)
 50%      68
 66%      70
 75%      71
 80%      72
 90%      73
 95%      74
 98%      75
 99%      75
100%     75 (longest request)

```

IP Hash

```
Concurrency Level:      50
Time taken for tests:    0.688 seconds
Complete requests:      500
Failed requests:        333
    (Connect: 0, Receive: 0, Length: 333, Exceptions: 0)
Total transferred:      400002 bytes
HTML transferred:       309502 bytes
Requests per second:    727.07 [#/sec] (mean)
Time per request:       68.769 [ms] (mean)
Time per request:       1.375 [ms] (mean, across all concurrent requests)
Transfer rate:          568.03 [Kbytes/sec] received

Connection Times (ms)
              min    mean[+/-sd] median    max
Connect:        0      2   5.3      0     20
Processing:      4     64  14.6     68     78
Waiting:        1     64  14.8     68     78
Total:          4     65  10.8     68     78

Percentage of the requests served within a certain time (ms)
 50%    68
 66%    70
 75%    72
 80%    73
 90%    74
 95%    75
 98%    76
 99%    76
100%    78 (longest request)
```

Generic Hash

```

Concurrency Level:      50
Time taken for tests:    0.690 seconds
Complete requests:      500
Failed requests:        333
    (Connect: 0, Receive: 0, Length: 333, Exceptions: 0)
Total transferred:      400002 bytes
HTML transferred:       309502 bytes
Requests per second:    724.49 [#/sec] (mean)
Time per request:       69.014 [ms] (mean)
Time per request:       1.380 [ms] (mean, across all concurrent requests)
Transfer rate:          566.01 [Kbytes/sec] received

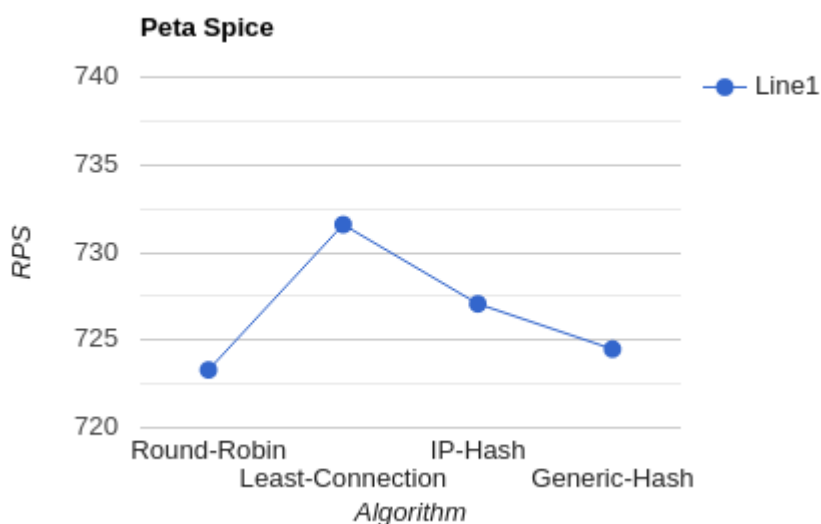
```

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	0	2 5.5	0	26
Processing:	4	64 14.8	68	82
Waiting:	1	64 15.0	68	82
Total:	4	66 11.2	68	82

Percentage of the requests served within a certain time (ms)

50%	68
66%	70
75%	74
80%	75
90%	77
95%	78
98%	79
99%	81
100%	82 (longest request)



Analysis: Algoritma terbaik adalah least connection dengan request per second sebesar 731.59

Least Connection Worker 1

```
Concurrency Level:      10
Time taken for tests:    1.392 seconds
Complete requests:      1000
Failed requests:        666
    (Connect: 0, Receive: 0, Length: 666, Exceptions: 0)
Total transferred:      800002 bytes
HTML transferred:       619002 bytes
Requests per second:    718.61 [#/sec] (mean)
Time per request:       13.916 [ms] (mean)
Time per request:       1.392 [ms] (mean, across all concurrent requests)
Transfer rate:          561.42 [Kbytes/sec] received

Connection Times (ms)
      min    mean[+/-sd] median    max
Connect:    0      0   0.3      0      8
Processing:  3     14   1.7     14     19
Waiting:    1     14   1.7     14     19
Total:      3     14   1.6     14     19

Percentage of the requests served within a certain time (ms)
 50%    14
 66%    14
 75%    15
 80%    15
 90%    16
 95%    17
 98%    17
 99%    18
100%    19 (longest request)
```

Least Connection Worker 2

```

Concurrency Level:      10
Time taken for tests:    1.370 seconds
Complete requests:      1000
Failed requests:        666
    (Connect: 0, Receive: 0, Length: 666, Exceptions: 0)
Total transferred:      800002 bytes
HTML transferred:       619002 bytes
Requests per second:    729.97 [#/sec] (mean)
Time per request:       13.699 [ms] (mean)
Time per request:       1.370 [ms] (mean, across all concurrent requests)
Transfer rate:          570.29 [Kbytes/sec] received

Connection Times (ms)
      min  mean[+/-sd] median   max
Connect:    0      0   0.5      0      6
Processing:  2     13   1.6     13     20
Waiting:    1     13   1.8     13     20
Total:      3     14   1.4     13     20

Percentage of the requests served within a certain time (ms)
 50%    13
 66%    14
 75%    14
 80%    15
 90%    15
 95%    16
 98%    17
 99%    18
100%    20 (longest request)

```

Least Connection Worker 3

```

Concurrency Level:      10
Time taken for tests:    1.351 seconds
Complete requests:      1000
Failed requests:        666
    (Connect: 0, Receive: 0, Length: 666, Exceptions: 0)
Total transferred:      800002 bytes
HTML transferred:       619002 bytes
Requests per second:    740.00 [#/sec] (mean)
Time per request:       13.513 [ms] (mean)
Time per request:       1.351 [ms] (mean, across all concurrent requests)
Transfer rate:          578.13 [Kbytes/sec] received

```

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	0	0 0.5	0	6
Processing:	3	13 1.5	13	19
Waiting:	1	13 1.5	13	19
Total:	3	13 1.4	13	19

Percentage of the requests served within a certain time (ms)

50%	13
66%	14
75%	14
80%	14
90%	15
95%	16
98%	17
99%	17
100%	19 (longest request)

