

Nama : Ronauli S
NRP : 5113100142
Pemrograman Jaringan B - Tugas Benchmark

Hasil Benchmark (AB)

A. DENGAN LOCALHOST

1. Konkurensi 100

Finished 5000 requests

Server Software:

Server Hostname: 127.0.0.1

Server Port: 8000

Document Path: /

Document Length: 505558 bytes

Concurrency Level: 100

Time taken for tests: 6.107 seconds

Complete requests: 5000

Failed requests: 0

Total transferred: 2527885000 bytes

HTML transferred: 2527790000 bytes

Requests per second: 818.77 [#/sec] (mean)

Time per request: 122.135 [ms] (mean)

Time per request: 1.221 [ms] (mean, across all concurrent requests)

Transfer rate: 404247.32 [Kbytes/sec] received

Connection Times (ms)

	min	mean[+/-sd]	median	max
Connect:	0	21 175.9	0	3004
Processing:	1	6 54.2	2	1800
Waiting:	1	6 54.2	2	1799
Total:	1	27 198.8	2	3809

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

50%	2
66%	3
75%	3
80%	4
90%	5
95%	7
98%	205
99%	1002
100%	3809 (longest request)

rsns@Fransisco:~/Documents/progjarku\$ |

Nama : Ronauli S
NRP : 5113100142
Pemrograman Jaringan B - Tugas Benchmark

2. Konkurensi 500

```
rsns@Fransisco:~/Documents/progjarku$ ab -n 5000 -c 500 http://127.0.0.1:8000/
This is ApacheBench, Version 2.3 <$Revision: 1604373 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking 127.0.0.1 (be patient)
Completed 500 requests
Completed 1000 requests
Completed 1500 requests
Completed 2000 requests
Completed 2500 requests
Completed 3000 requests
Completed 3500 requests
Completed 4000 requests
Completed 4500 requests
apr_socket recv: Connection reset by peer (104)
Total of 4740 requests completed
rsns@Fransisco:~/Documents/progjarku$ |
```

3. Konkurensi 1000

```
rsns@Fransisco:~/Documents/progjarku$ ab -n 5000 -c 1000 http://127.0.0.1:8000/
This is ApacheBench, Version 2.3 <$Revision: 1604373 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking 127.0.0.1 (be patient)
Completed 500 requests
Completed 1000 requests
Completed 1500 requests
Completed 2000 requests
Completed 2500 requests
Completed 3000 requests
Completed 3500 requests
Completed 4000 requests
apr_socket recv: Connection reset by peer (104)
Total of 4308 requests completed
rsns@Fransisco:~/Documents/progjarku$
```

B. DENGAN LAN

1. Konkurensi 20

Nama : Ronauli S
NRP : 5113100142
Pemrograman Jaringan B - Tugas Benchmark

```
Server Software:
Server Hostname: 10.151.34.34
Server Port: 8000

Document Path: /
Document Length: 505558 bytes

Concurrency Level: 20
Time taken for tests: 221.257 seconds
Complete requests: 5000
Failed requests: 0
Total transferred: 2527885000 bytes
HTML transferred: 2527790000 bytes
Requests per second: 22.60 [#/sec] (mean)
Time per request: 885.029 [ms] (mean)
Time per request: 44.251 [ms] (mean, across all concurrent requests)
Transfer rate: 11157.32 [Kbytes/sec] received

Connection Times (ms)
      min  mean[+/-sd] median   max
Connect:    0   64 172.1    39   2272
Processing: 202  820 305.7   797   4169
Waiting:    2   41  59.6    40   1904
Total:      203  884 350.2   845   4186

Percentage of the requests served within a certain time (ms)
 50%    845
 66%    877
 75%    915
 80%    960
 90%   1221
 95%   1561
 98%   1996
 99%   2257
100%   4186 (longest request)
rsns@Fransisco:~/Documents/progjarku$ |
```

2. Konkurensi 100 (error)

```
rsns@Fransisco:~/Documents/progjarku$ ping 10.151.34.34:8000
ping: unknown host 10.151.34.34:8000
rsns@Fransisco:~/Documents/progjarku$ ab -n 5000 -c 100 http://10.151.34.34:8000/
This is ApacheBench, Version 2.3 <$Revision: 1604373 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking 10.151.34.34 (be patient)
apr_socket_recv: Connection reset by peer (104)
Total of 99 requests completed
rsns@Fransisco:~/Documents/progjarku$ |
```

Nama : Ronauli S

NRP : 5113100142

Pemrograman Jaringan B - Tugas Benchmark

3. Konkurensi 500

```
rsns@Fransisco:~/Documents/progjarku$ ab -n 5000 -c 500 http://10.151.34.34:8000/  
This is ApacheBench, Version 2.3 <$Revision: 1604373 $>  
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/  
Licensed to The Apache Software Foundation, http://www.apache.org/  
  
Benchmarking 10.151.34.34 (be patient)  
apr_socket_recv: Connection reset by peer (104)  
Total of 134 requests completed  
rsns@Fransisco:~/Documents/progjarku$ |
```

4. Konkurensi 1000

```
rsns@Fransisco:~/Documents/progjarku$ ab -n 5000 -c 1000 http://10.151.34.34:8000/  
This is ApacheBench, Version 2.3 <$Revision: 1604373 $>  
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/  
Licensed to The Apache Software Foundation, http://www.apache.org/  
  
Benchmarking 10.151.34.34 (be patient)  
apr_socket_recv: Connection reset by peer (104)  
Total of 10 requests completed  
rsns@Fransisco:~/Documents/progjarku$ |
```

C. **DENGAN WIFI**

1. Konkurensi 20 (N = 252)

Nama : Ronauli S
NRP : 5113100142
Pemrograman Jaringan B - Tugas Benchmark

```
Server Software:
Server Hostname: 10.151.34.34
Server Port: 8000

Document Path: /
Document Length: 505558 bytes

Concurrency Level: 20
Time taken for tests: 188.249 seconds
Complete requests: 252
Failed requests: 0
Total transferred: 131600260 bytes
HTML transferred: 131595149 bytes
Requests per second: 1.34 [#/sec] (mean)
Time per request: 14940.394 [ms] (mean)
Time per request: 747.020 [ms] (mean, across all concurrent requests)
Transfer rate: 682.69 [Kbytes/sec] received

Connection Times (ms)
              min    mean[+/-sd] median    max
Connect:        33    788 578.2    671    4013
Processing:    2202  13570 8268.1   11689   54477
Waiting:        81   1400 3829.3    674   25422
Total:         2256  14358 8511.4   12857   58020

Percentage of the requests served within a certain time (ms)
 50%    12857
 66%    15158
 75%    17908
 80%    18771
 90%    23078
 95%    30530
 98%    43744
 99%    45874
100%   58020 (longest request)
rsns@Fransisco:~/Documents/progjarku$
```

2. Konkurensi 100

```
rsns@Fransisco:~/Documents/progjarku$ ab -n 5000 -c 100 http://10.151.34.34:8000/
This is ApacheBench, Version 2.3 <$Revision: 1604373 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking 10.151.34.34 (be patient)
apr_socket_recv: Connection reset by peer (104)
Total of 3 requests completed
rsns@Fransisco:~/Documents/progjarku$
```


Nama : Ronauli S

NRP : 5113100142

Pemrograman Jaringan B - Tugas Benchmark

3. Konkurensi 500

```
rsns@Fransisco:~/Documents/progjarku$ ab -n 5000 -c 500 http://10.151.34.34:8000/
This is ApacheBench, Version 2.3 <$Revision: 1604373 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking 10.151.34.34 (be patient)
apr_socket_recv: Connection reset by peer (104)
rsns@Fransisco:~/Documents/progjarku$ |
```

4. Konkurensi 1000

```
rsns@Fransisco:~/Documents/progjarku$ ab -n 5000 -c 1000 http://10.151.34.34:8000/
This is ApacheBench, Version 2.3 <$Revision: 1604373 $>
Copyright 1996 Adam Twiss, Zeus Technology Ltd, http://www.zeustech.net/
Licensed to The Apache Software Foundation, http://www.apache.org/

Benchmarking 10.151.34.34 (be patient)
apr_socket_recv: Connection reset by peer (104)
rsns@Fransisco:~/Documents/progjarku$ |
```