

## Tugas 7 Load Test

### Script Kode Performance Test

```
test > ▾ script.test.js > ...
1 import http from 'k6/http';
2 import { check, sleep } from 'k6';
3 import { htmlReport } from "https://raw.githubusercontent.com/benc-uk/k6-reporter/main/dist/bundle.js";
4 import { textSummary } from "https://jslib.k6.io/k6-summary/0.0.1/index.js";
5
6 export const options = {
7   vus: 10,
8   duration: '10s',
9   thresholds: {
10     http_req_duration: ['p(98)<1000'], // 98% request < 1 detik
11     http_req_failed: ['rate<0.01'],
12     checks: ['rate>0.99']
13   },
14 };
15
16 export default function () {
17   // LOGIN
18   let loginRes = http.post(
19     'https://belajar-bareng.onrender.com/api/login',
20     JSON.stringify({
21       username: 'admin',
22       password: 'admin'
23     }),
24     {
25       headers: { 'Content-Type': 'application/json' },
26     }
27   );
28
29   check(loginRes, [
30     'login status is 200': (r) => r.status === 200,
31     'login response time < 1s': (r) => r.timings.duration < 1000,
32     'token exists': (r) => r.json('token') !== undefined,
33   ]);
34
35   // Ambil token
36   let token = loginRes.json('token');
37
38   // GET USERS
39   let usersRes = http.get(
40     'https://belajar-bareng.onrender.com/users',
41     {
42       headers: {
43         Authorization: `Bearer ${token}`,
44       },
45     }
46   );
47
48   check(usersRes, [
49     'users status is 200': (r) => r.status === 200,
50     'users response time < 1s': (r) => r.timings.duration < 1000,
51   ]);
52
53   sleep(1);
54 }
55
56 // HTML REPORT
57 export function handleSummary(data) {
58   return {
59     "report/result.html": htmlReport(data),
60     stdout: textSummary(data, { indent: " ", enableColors: true }),
61   };
62 }
```

## CLI Report

## HTML Report

 **Test Report: 2026-02-12 03:44**

**TOTAL REQUESTS**  
**140**

**FAILED REQUESTS**  
**0**

**BREACHED THRESHOLDS**  
**0**

**FAILED CHECKS**  
**0**

[Detailed Metrics](#) [Test Run Details](#) [Checks & Groups](#)

**Trends & Times**

	Avg	Min	Med	Max	P(90)	P(95)
http_req_blocked	6.18	0.00	0.00	92.08	0.00	86.05
http_req_connecting	1.85	0.00	0.00	26.23	0.00	25.65
http_req_duration	255.64	197.77	244.09	681.18	277.07	296.04
http_req_receiving	0.32	0.00	0.00	3.32	0.88	1.20
http_req_sending	0.46	0.00	0.42	12.42	0.61	0.78
http_req_tls_handshaking	4.24	0.00	0.00	64.17	0.00	59.20
http_req_waiting	254.86	197.07	243.27	680.63	276.73	294.91
iteration_duration	1524.83	1413.57	1501.27	2034.91	1573.13	1659.69

**Rates**

	Rate %	Pass Count	Fail Count
http_req_failed	0.00%	0.00	140.00

