



The screenshot shows a code editor interface with a dark theme. The main area displays a JavaScript file named `loadtest.js`. The file contains a k6 load test script. The code includes imports for `http`, `check`, and `sleep` from the `k6` library, and `BASE_URL`, `ENDPOINT`, and `DEFAULT_HEADERS` from `endpoint.js`. It defines options for a load test with 10 vus over 10 seconds. The script performs a POST login with credentials ('admin', 'admin') and checks for a 200 status and response time under 1 second. It then performs a GET users request, adding a token to the headers and checking for a 200 status and response time under 1 second. Finally, it generates an HTML report using the `generateReport` function.

```
1 import http from 'k6/http';
2 import { check, sleep } from 'k6';
3 import { BASE_URL, ENDPOINT, DEFAULT_HEADERS } from './endpoint.js';
4 import { generateReport } from './htmlReport.js';
5
6 export let options = {
7   vus: 10,
8   duration: '10s',
9 };
10
11 export default function () {
12
13   // POST LOGIN
14   const loginPayload = JSON.stringify({
15     username: 'admin',
16     password: 'admin',
17   });
18
19   const loginRes = http.post(
20     `${BASE_URL}${ENDPOINT.LOGIN}`,
21     loginPayload,
22     { headers: DEFAULT_HEADERS }
23   );
24
25   check(loginRes, {
26     'Login status 200': (r) => r.status === 200,
27     'Login response time < 1 detik': (r) => r.timings.duration < 1000,
28   });
29
30   const token = loginRes.json().token;
31
32   // GET USERS
33   const usersRes = http.get(
34     `${BASE_URL}${ENDPOINT.USERS}`,
35     {
36       headers: {
37         ...DEFAULT_HEADERS,
38         Authorization: `Bearer ${token}`,
39       },
40     }
41   );
42
43   check(usersRes, {
44     'Get users status 200': (r) => r.status === 200,
45     'Get users response time < 1 detik': (r) => r.timings.duration < 1000,
46   });
47
48   sleep(1);
49 }
50
51 // AUTO GENERATE HTML
52 export function handleSummary(data) {
53   return generateReport(data);
54 }
```

```

C:\Users\fauzan\Documents\DigitalSkola\Homework\Sesi 7\k6-load-test> k6 run loadtest.js
  Grafana

  execution: local
    script: loadtest.js
    output: -


  scenarios: (100.00%) 1 scenario, 10 max VUs, 40s max duration (incl. graceful stop):
    * default: 10 looping VUs for 10s (gracefulStop: 30s)

INFO[0011] [k6-reporter v3.0.3] Generating HTML summary report, with theme: default source=console
  ✓ Login status 200
  ✓ Login response time < 1 detik
  ✓ Get users status 200
  ✓ Get users response time < 1 detik

checks.....: 100.00% ✓ 252 X 0
data_received.....: 124 kB 11 kB/s
data_sent.....: 36 kB 3.1 kB/s
http_req_blocked.....: avg=4.95ms min=0s med=0s max=70.42ms p(90)=0s p(95)=57.01ms
http_req_connecting.....: avg=738.46μs min=0s med=0s max=11.72ms p(90)=0s p(95)=7.87ms
http_req_duration.....: avg=346.99ms min=196.75ms med=373ms max=920.36ms p(90)=454.72ms p(95)=645.55ms
  { expected_response:true }.....: avg=346.99ms min=196.75ms med=373ms max=920.36ms p(90)=454.72ms p(95)=645.55ms
http_req_failed.....: 0.00% ✓ 0 X 126
http_req_receiving.....: avg=777.12μs min=0s med=576.65μs max=5.17ms p(90)=2ms p(95)=2.62ms
http_req_sending.....: avg=395.35μs min=0s med=0s max=7.22ms p(90)=983.2μs p(95)=1.02ms
http_req_tls_handshaking.....: avg=2.53ms min=0s med=0s max=39.63ms p(90)=0s p(95)=28.02ms
http_req_waiting.....: avg=345.82ms min=194.36ms med=372.51ms max=920.36ms p(90)=454.41ms p(95)=644.65ms
http_reqs.....: 126 11.034743/s
iteration_duration.....: avg=1.7s min=1.57s med=1.64s max=2.19s p(90)=2.16s p(95)=2.19s
iterations.....: 63 5.517371/s
vus.....: 3 min=3 max=10

running (11.4s), 0@10 VUs, 63 complete and 0 interrupted iterations
default ✓ [=====] 10 VUs 10s

C:\Users\fauzan\Documents\DigitalSkola\Homework\Sesi 7\k6-load-test>

```

## Test Report: 2026-02-14 08:53

