

Struktur PDF Tugas Sesi 14 – Advanced Mobile Testing with Appium

1. Cover Page

- Judul: Tugas Sesi 14 – Advanced Mobile Testing with Appium
- Nama: Cheps
- Kelas: Digital Skola – QA Automation
- Tanggal: 02 November 2025
- <https://github.com/chebsneo/Rpoject-Sesi-14-Advanced-Mobile-Testing-with-Appium>

2. Link GitHub Project

- Judul: Link Repository GitHub
- Isi:
- <https://github.com/chebsneo/Rpoject-Sesi-14-Advanced-Mobile-Testing-with-Appium>

• 3. Deskripsi Test Scenario

- Judul: Deskripsi Test Scenario
- Isi:
 - Navigasi ke: App > Alert Dialogs > Text Entry Dialog
 - Isi field:
 - Name: ChepsQA
 - Password: 123456
 - Klik tombol OK

4. Screenshot Output CMD

- Judul: Hasil Eksekusi Test di Terminal
- Screenshot:

- Tampilkan hasil npm run test

```
Execution of 1 workers started at 2025-11-02T02:26:12.569Z

2025-11-02T02:26:12.579Z INFO @wdio/cli:launcher: Run onPrepare hook
2025-11-02T02:26:12.581Z INFO @wdio/cli:launcher: Run onWorkerStart hook
2025-11-02T02:26:12.582Z INFO wdio:utils: Open file in editor (ctrl + click) or: Run worker command: run
[0-0] 2025-11-02T02:26:13.900Z wdio:utils: Open file in editor (ctrl + click) or: Run worker command: run
[0-0] RUNNING in Android - file:///C:/Users/Cheps%20Neo/Documents/tugas%20QA/sesi-14/test/appdemo.test.js
[0-0] 2025-11-02T02:26:14.072Z INFO webdriver: Initiate new session using the WebDriver protocol
[0-0] 2025-11-02T02:26:14.072Z INFO @wdio/utils: Connecting to existing driver at http://localhost:4723/
[0-0] 2025-11-02T02:26:14.158Z INFO webdriver: [POST] http://localhost:4723/session
[0-0] 2025-11-02T02:26:14.158Z INFO webdriver: DATA {
[0-0]   capabilities: {
[0-0]     alwaysMatch: {
[0-0]       platformName: 'Android',
[0-0]       'appium:deviceName': 'emulator-5554',
[0-0]       'appium:platformVersion': '11',
[0-0]       'appium:automationName': 'UiAutomator2',
[0-0]       'appium:appPackage': 'io.appium.android.apis',
[0-0]       'appium:appActivity': '.ApiDemos',
[0-0]       'appium:noReset': false
[0-0]     },
[0-0]     firstMatch: [ {} ]
[0-0]   },
[0-0]   desiredCapabilities: {
[0-0]     platformName: 'Android',
[0-0]     'appium:deviceName': 'emulator-5554',
[0-0]     'appium:platformVersion': '11',
[0-0]     'appium:automationName': 'UiAutomator2',
[0-0]     'appium:appPackage': 'io.appium.android.apis',
[0-0]     'appium:appActivity': '.ApiDemos',
[0-0]     'appium:noReset': false
[0-0]   }
[0-0] }
[0-0] 2025-11-02T02:26:17.188Z INFO webdriver: COMMAND findElement("xpath", "//android.widget.TextView[@content-desc='Views']")
[0-0] 2025-11-02T02:26:17.189Z INFO webdriver: [POST] http://localhost:4723/session/f07c7835-ff5b-487d-bef8-dcb31e90f477/element
```

Pastikan terlihat status 1 passing, waktu eksekusi, dan Session ID

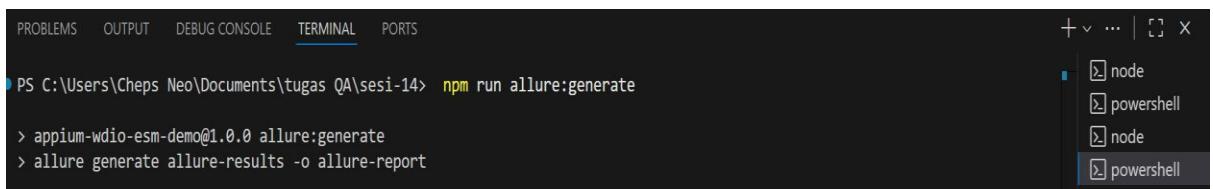
```
PS C:\Users\Cheps Neo\Documents\tugas QA\sesi-14> npm run test
ent/0000000-0000-0037-ffff-ffff0000021/click
[0-0] 2025-11-02T02:26:23.204Z INFO webdriver: RESULT null
[0-0] 2025-11-02T02:26:23.208Z INFO webdriver: COMMAND executeScript("mobile: terminateApp", <object>
[0-0] 2025-11-02T02:26:23.209Z INFO webdriver: [POST] http://localhost:4723/session/f07c7835-ff5b-487d-bef8-dcb31e90f477/exec
ute.sync
[0-0] 2025-11-02T02:26:23.209Z INFO webdriver: DATA {
[0-0]   script: 'mobile: terminateApp',
[0-0]   args: [ { appId: 'io.appium.android.apis' } ]
[0-0] }
[0-0] 2025-11-02T02:26:23.513Z INFO webdriver: RESULT true
[0-0] 2025-11-02T02:26:24.520Z INFO webdriver: COMMAND executeScript("mobile: activateApp", <object>
[0-0] 2025-11-02T02:26:24.520Z INFO webdriver: [POST] http://localhost:4723/session/f07c7835-ff5b-487d-bef8-dcb31e90f477/exec
ute.sync
[0-0] 2025-11-02T02:26:24.521Z INFO webdriver: DATA {
[0-0]   script: 'mobile: activateApp',
[0-0]   args: [ { appId: 'io.appium.android.apis' } ]
[0-0] }
[0-0] 2025-11-02T02:26:24.700Z INFO webdriver: RESULT null
[0-0] 2025-11-02T02:26:24.702Z INFO webdriver: COMMAND deleteSession()
[0-0] 2025-11-02T02:26:24.703Z INFO webdriver: [DELETE] http://localhost:4723/session/f07c7835-ff5b-487d-bef8-dcb31e90f477
[0-0] 2025-11-02T02:26:25.216Z INFO webdriver: RESULT null
[0-0] PASSED in Android - file:///C:/Users/Cheps%20Neo/Documents/tugas%20QA/sesi-14/test/appdemo.test.js
2025-11-02T02:26:25.350Z INFO @wdio/cli:launcher: Run onWorkerEnd hook
2025-11-02T02:26:25.350Z INFO @wdio/cli:launcher: Run onComplete hook

"spec" Reporter:
-----
[Android #0-0] Running: on Android
[Android #0-0] Session ID: f07c7835-ff5b-487d-bef8-dcb31e90f477
[Android #0-0]
[Android #0-0] » test\appdemo.test.js
[Android #0-0] Appium DEMO App
[Android #0-0] ✓ Scroll down
[Android #0-0]
[Android #0-0] 1 passing (8s)

Spec Files: 1 passed, 1 total (100% completed) in 00:00:12
```

5. Screenshot Allure Report

- Hasil Allure ; npm run allure:generate

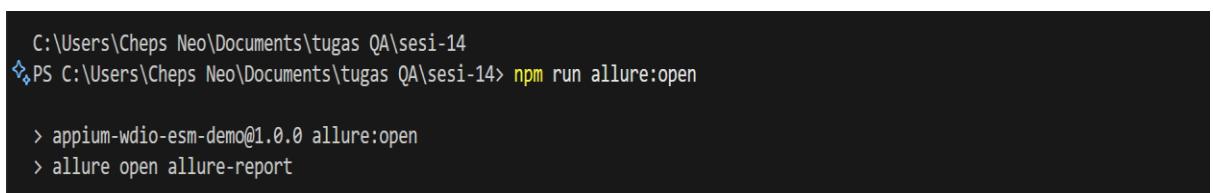


```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Cheps Neo\Documents\tugas QA\sesi-14> npm run allure:generate
> appium-wdio-esm-demo@1.0.0 allure:generate
> allure generate allure-results -o allure-report
```

The screenshot shows a terminal window with several tabs at the top: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is selected), and PORTS. The terminal content shows the command 'npm run allure:generate' being run, which then executes the 'allure generate' command with the option '-o allure-report'. The output pane on the right shows a tree structure with nodes for 'node', 'powershell', 'node', and 'powershell'.

- Hasil Allure ; npm run allure:open

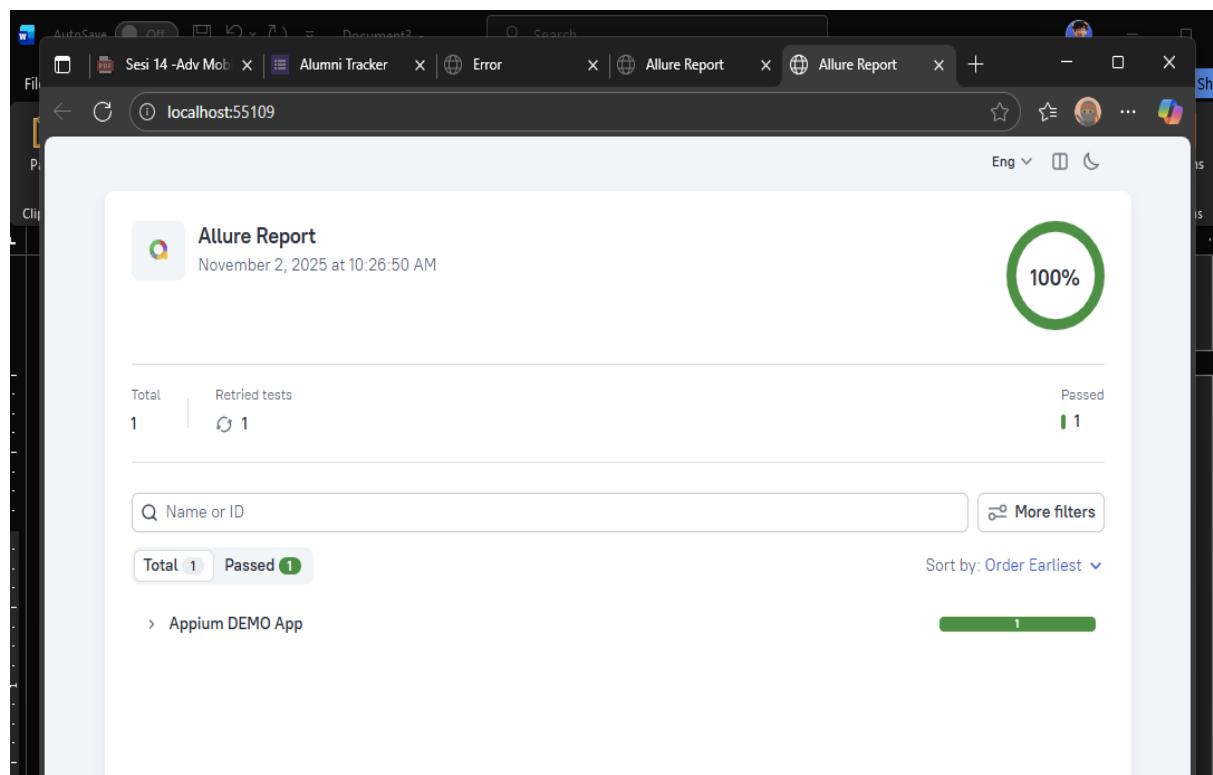


```
C:\Users\Cheps Neo\Documents\tugas QA\sesi-14
PS C:\Users\Cheps Neo\Documents\tugas QA\sesi-14> npm run allure:open
> appium-wdio-esm-demo@1.0.0 allure:open
> allure open allure-report
```

The screenshot shows a terminal window with the command 'npm run allure:open' being run, which then executes the 'allure open' command with the option 'allure-report'. The output pane on the right shows a tree structure with nodes for 'node', 'powershell', 'node', and 'powershell'.

- Judul: Hasil Report Allure di Browser
- Screenshot:

Tampilan Allure di browser (localhost:xxxx) ;



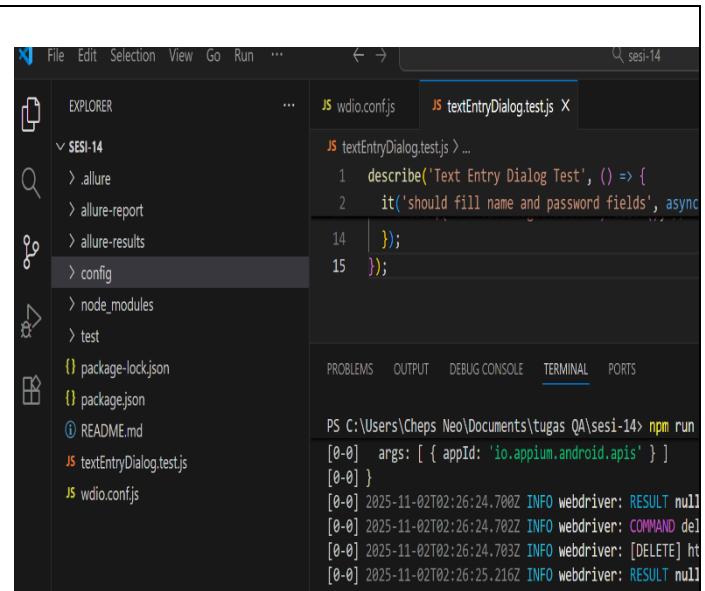
Tampilkan nama test, waktu eksekusi, dan status Passed;

```
"spec" Reporter:  
-----  
[Android #0-0] Running: on Android  
[Android #0-0] Session ID: f07c7835-ff5b-487d-bef8-dcb31e90f477  
[Android #0-0]  
[Android #0-0] » test\appdemo.test.js  
[Android #0-0] Appium DEMO App  
[Android #0-0]   ✓ Scroll down  
[Android #0-0]  
[Android #0-0] 1 passing (8s)  
  
Spec Files: 1 passed, 1 total (100% completed) in 00:00:12
```

6. Struktur Folder Project

Judul: Struktur Folder Project

- Screenshot atau list:
- sesi-14/
- allure
- allure-report
- allure-results
- config
- node_modules
- test
- package-lock.json
- package.json
- README.md
- textEntryDialog.test.js
- wdio.conf.js



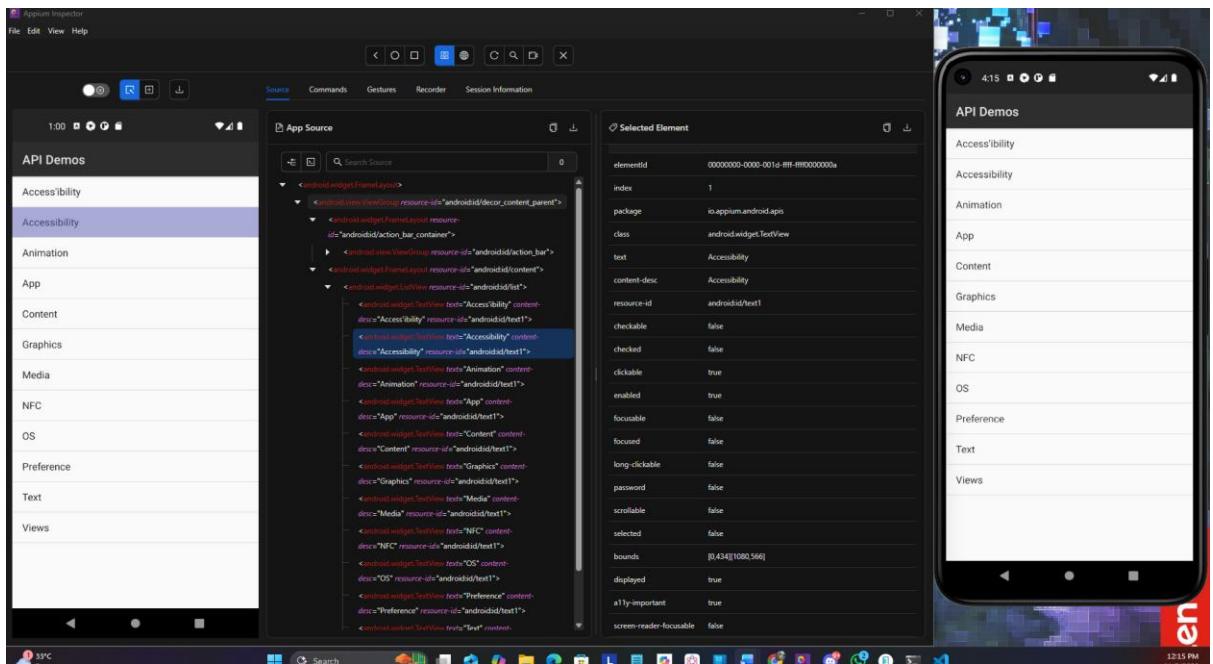
The screenshot shows a code editor interface with the following details:

- File Explorer (Left):** Shows the project structure: sesi-14, .allure, allure-report, allure-results, config, node_modules, test, package-lock.json, package.json, README.md, textEntryDialog.test.js, and wdio.conf.js.
- Code Editor (Right):** Displays the file `textEntryDialog.test.js`. The code contains a single test case:

```
describe('Text Entry Dialog Test', () => {  
  it('should fill name and password fields', async () => {  
    // Test implementation  
  })  
});
```
- Terminal (Bottom):** Shows the command `npm run` being executed in the directory `C:\Users\Cheps Neo\Documents\tugas QA\sesi-14`. The output includes logs from the webdriver and the command being deleted.

7. Penutup

- Judul: Catatan
- Isi:
 - Semua test dijalankan menggunakan emulator Android 11



- Appium Server dijalankan dengan flag --allow-cors

```
C:\Users\Cheps Neo>appium --allow-cors
[Appium] Welcome to Appium v3.1.0
[Appium] Non-default server args:
[Appium] {
    allowCors: true
}
[Appium] The autodetected Appium home path: C:\Users\Cheps Neo\.appium
[Appium] Attempting to load driver uiautomator2...
[Appium] Requiring driver at C:\Users\Cheps Neo\.appium\node_modules\appium-uiautomator2-driver\build\index.js
[Appium] AndroidUiautomator2Driver has been successfully loaded in 0.437s
[Appium] You have enabled CORS requests from any host. Be careful not to visit sites which could maliciously try to start Appium sessions on your machine
[Appium] Appium REST http interface listener started on http://0.0.0.0:4723
[Appium] You can provide the following URLs in your client code to connect to this server:
  http://192.168.144.1:4723/
  http://192.168.88.1:4723/
  http://192.168.1.8:4723/
  http://127.0.0.1:4723/ (only accessible from the same host)
[Appium] Available drivers:
[Appium]   - uiautomator2@6.0.2 (automationName 'UiAutomator2')
[Appium] No plugins have been installed. Use the "appium plugin" command to install the one(s) you want to use.
[HTTP] --> POST /session {"capabilities": {"alwaysMatch": {"platformName": "Android", "appium:udid": "emulator-5554", "appium:appActivity": ".ApiDemos", "appium:appPackage": "io.appium.android.apis", "appium:automationName": "uiautomator2", "appium:autoGrantPermissions": false, "appium:ignoreHiddenApiPolicyError": true, "appium:disableAnimations": true, "appium:ensureWebviewsHavePages": true, "appium:nativeWebScreenshot": true, "appium:newCommandTimeout": 3600, "appium:connectHardwareKeyboard": true}, "firstMatch": [{"}}]}
```

- Inspector digunakan untuk mendapatkan locator elemen

