

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/chepsneo/Rproject-Sesi-14-Advanced-Mobile-Testing-with-Appium>

2. Link GitHub Project

- Judul: Link Repository GitHub
- Isi:
- <https://github.com/chepsneo/Rproject-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/cli:launcher: Start worker 0-0 with arg: run,wdio.conf.js
[0-0] 2025-11-02T02:26:13.900Z INFO @wdio/cli:launcher: 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/elem
```

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

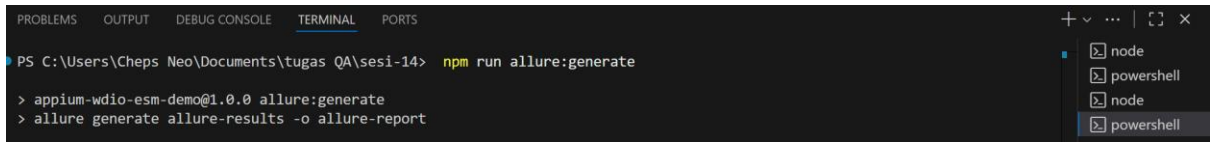
```
PS C:\Users\Cheps Neo\Documents\tugas QA\sesi-14> npm run test
ent/00000000-0000-0037-ffff-ffff00000021/click
[0-0] 2025-11-02T02:26:23.204Z INFO webdriver: RESULT null
[0-0] 2025-11-02T02:26:23.208Z INFO webdriver: COMMAND executeScript("mobile: terminateApp", <object>)
[0-0] 2025-11-02T02:26:23.209Z INFO webdriver: [POST] http://localhost:4723/session/f07c7835-ff5b-487d-bef8-dcb31e90f477/execute/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/execute/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
```

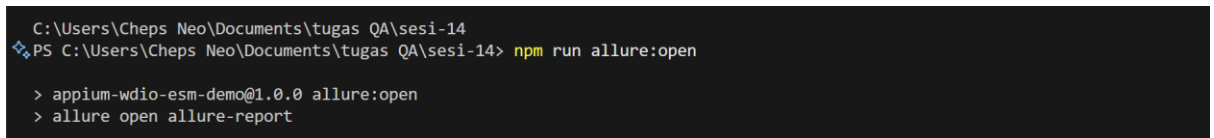
5. Screenshot Allure Report

- Hasil Allure ; npm run allure:generate



```
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
```

- Hasil Allure ; npm run allure:open

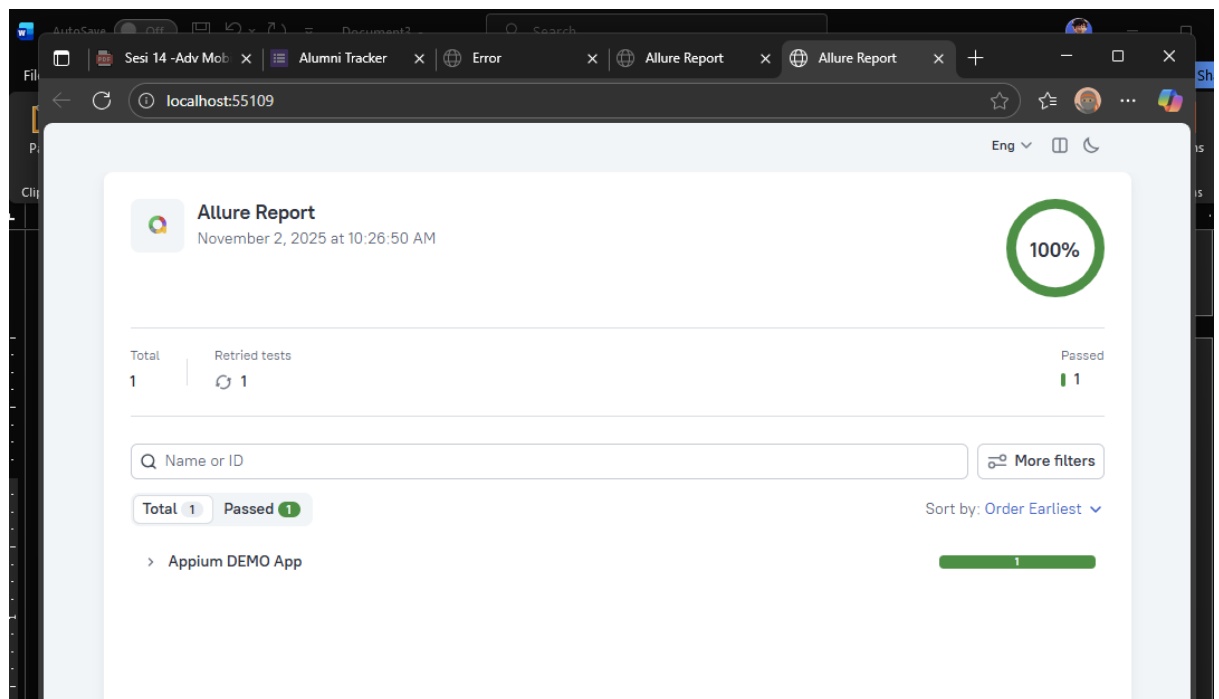


```
C:\Users\Cheps Neo\Documents\tugas QA\sesi-14
PS C:\Users\Cheps Neo\Documents\tugas QA\sesi-14> npm run allure:open
> appium-wdio-esm-demo@1.0.0 allure:open
> allure open allure-report
```

- Judul: Hasil Report Allure di Browser

- Screenshot:

Tampilan Allure di browser (localhost:xxxx) ;



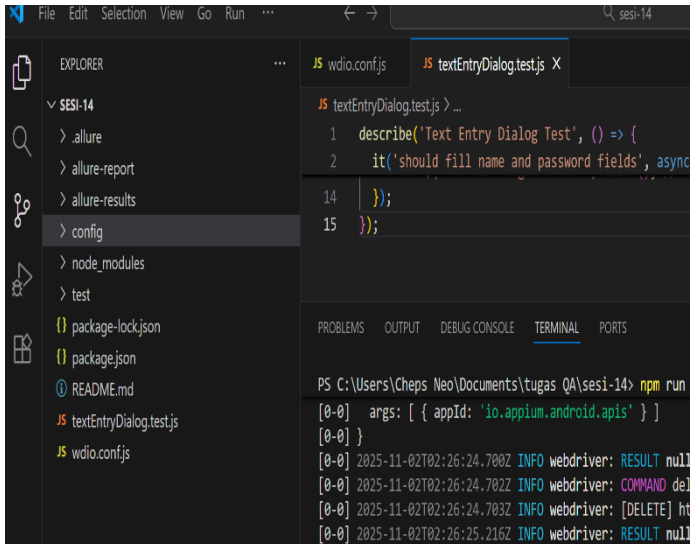
Tampilkan nama test, waktu eksekusi, dan status Passed;

```
"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
```

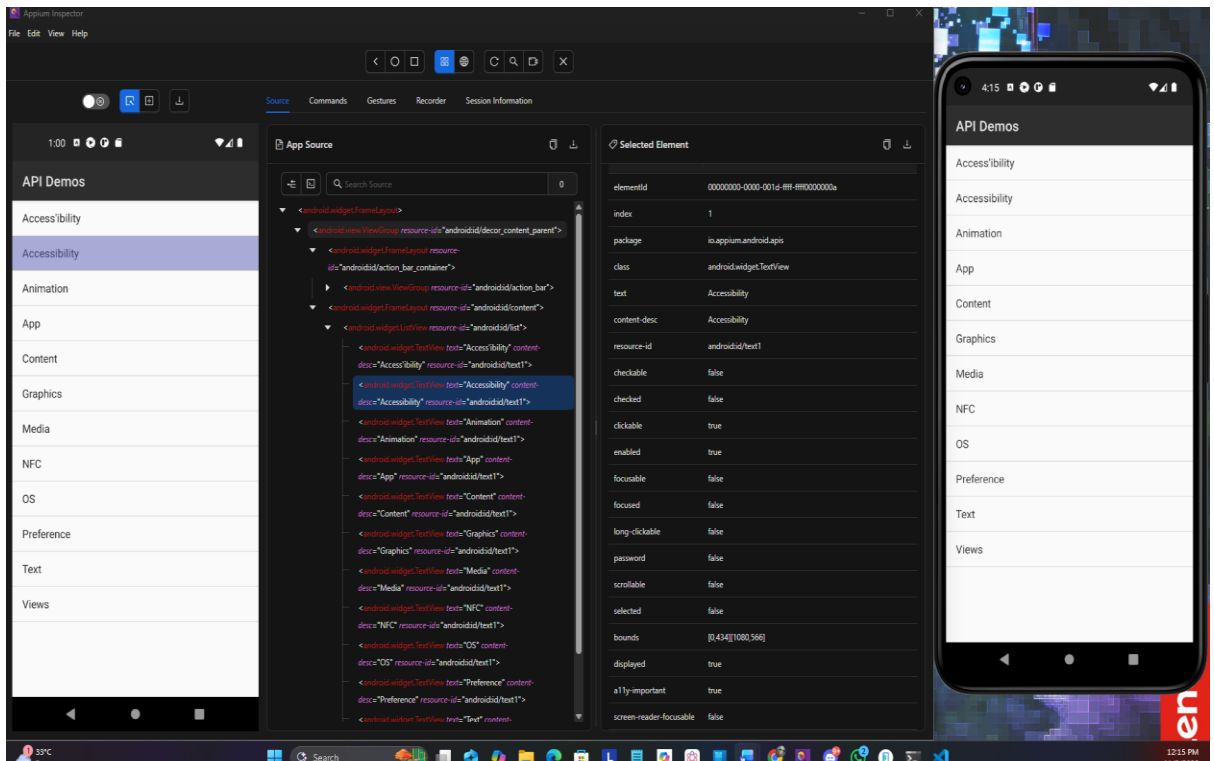
6. Struktur Folder Project

Judul: Struktur Folder Project

<ul style="list-style-type: none">• 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	 <p>The screenshot shows the VS Code interface. The Explorer sidebar on the left displays the project structure for 'sesi-14', including folders like 'allure', 'allure-report', 'allure-results', 'config', 'node_modules', and 'test', along with files 'package-lock.json', 'package.json', 'README.md', 'textEntryDialog.test.js', and 'wdio.conf.js'. The main editor area shows the 'textEntryDialog.test.js' file with a single test case. The bottom terminal panel shows the command 'npm run' being executed, with output indicating the appium driver is being used.</p>
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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":true,"appium:noReset":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

```
1 describe('Text Entry Dialog Test', () => {
2   it('should fill name and password fields', async () => {
3     await $('~App').click();
4     await $('~Alert Dialogs').click();
5     await $('~Text Entry dialog').click();
6
7     const nameField = await $('//android.widget.EditText[@resource-id="io.appium.android.apis:id/username_edit"]');
8     const passwordField = await $('//android.widget.EditText[@resource-id="io.appium.android.apis:id/password_edit"]');
9
10    await const passwordField: any;
11    await passwordField.setValue('123456');
12
13    await $('android.widget.Button').click(); // Klik OK
14  });
15 });
```