LAPORAN PROJECT DESCRIPTION BDD - Automation Testing Using Cucumber		
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Pengujian Sistem Informasi Penjualan Souvenir Batak

1. Fungsi login

Jenis	Field		Jumlah Test Case
	username	password	
Scenario 1	valid	valid	25
Scenario 2	valid	invalid	25
Scenario 3	invalid	valid	25
Scenario 4	invalid	invalid	25
Total			100 test case

- Scenario 1: valid username and valid password
  - ❖ Akun 1
    username: akuncoba1
    password: akuncoba1

i. The test frame for every test case

```
Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak

# Scenario 1 valid username and valid password

  # -- Akun 1
    Scenario: Test Login Akun1
        Given open chrome and http://127.0.0.1:8000 accessed
        And I click Login button
        When I enter valid username and valid password
        Then I can login successfully
```

ii. The step definition

```java
package stepDefinition.Login;

import org.openqa.selenium.By;

    // Scenario 1 valid username and valid password

        //Akun 1
    public class Login {
    WebDriver wd;

    @Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
    public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000");
    }
    @Given("^I click Login button$")
    public void I_click_Login_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }
    @When("^I enter valid username and valid password$")
    public void I_enter_valid_username_and_valid_password() throws Throwable {
        wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba1");
        wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
}
```

iii. The Test Runner

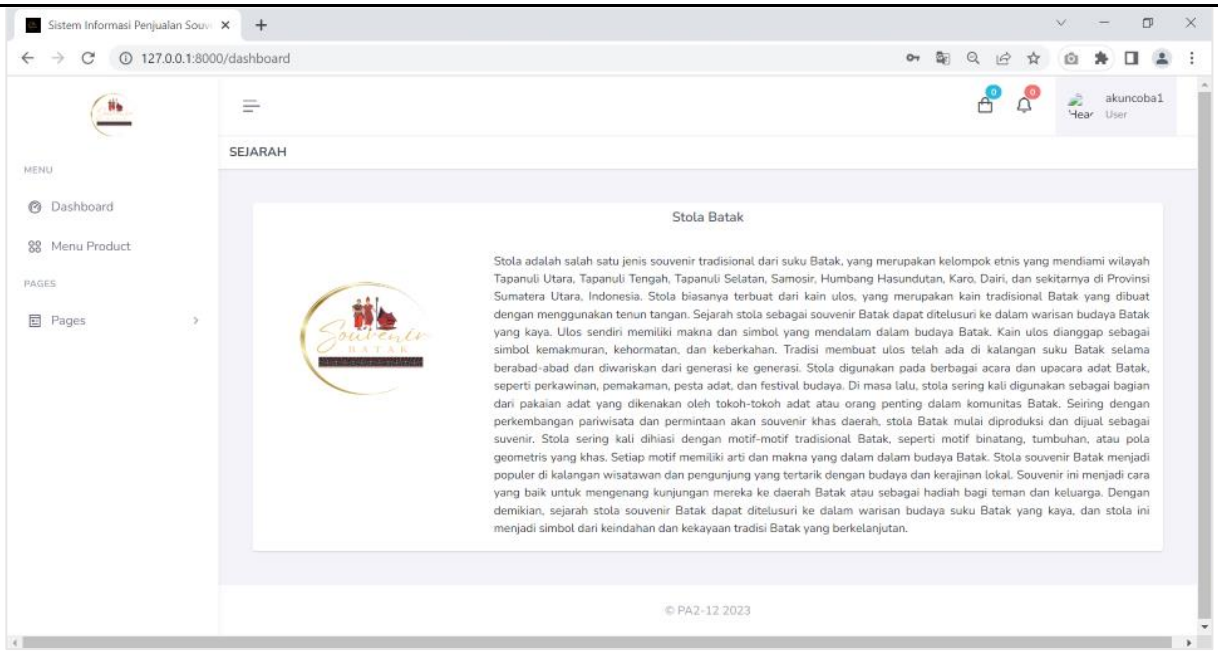
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun1 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.001 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



❖ Akun 2
username: akuncoba2
password: akuncoba2

i. The test frame for every test case

```
# -- Akun 2
  Scenario: Test Login Akun2
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 2
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba2");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba2");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

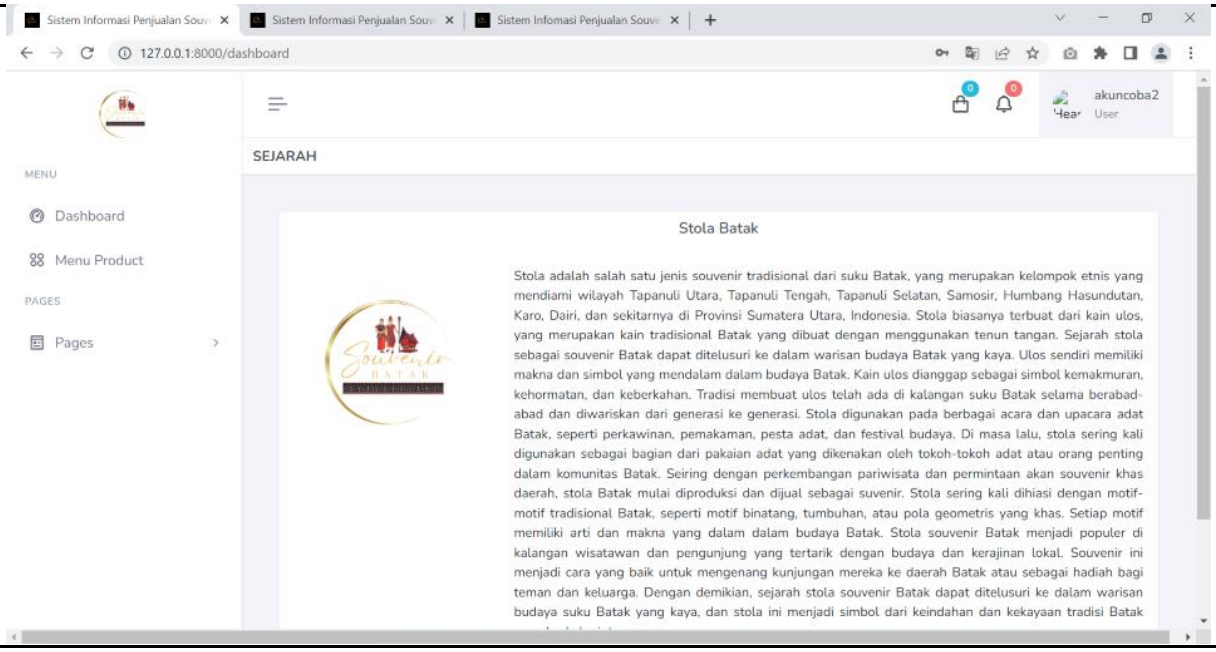
iv. The Console after Running

Finished after 0.05 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun2 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 3
  username: akuncoba3
  password: akuncoba3

i. The test frame for every test case

```
# -- Akun 3
  Scenario: Test Login Akun3
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 3
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba3");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba3");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

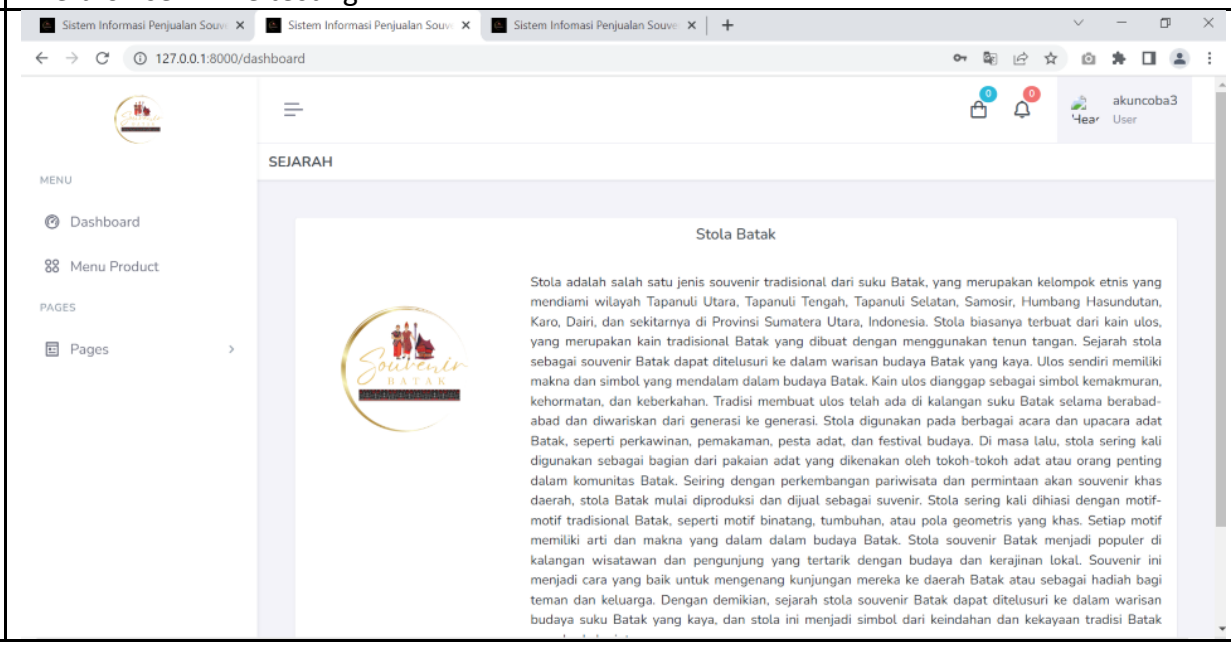
iv. The Console after Running

Finished after 0.054 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun3 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



❖ Akun 4
username: akuncoba4
password: akuncoba4

i. The test frame for every test case

```
# -- Akun 4
  Scenario: Test Login Akun4
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 4
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba4");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba4");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

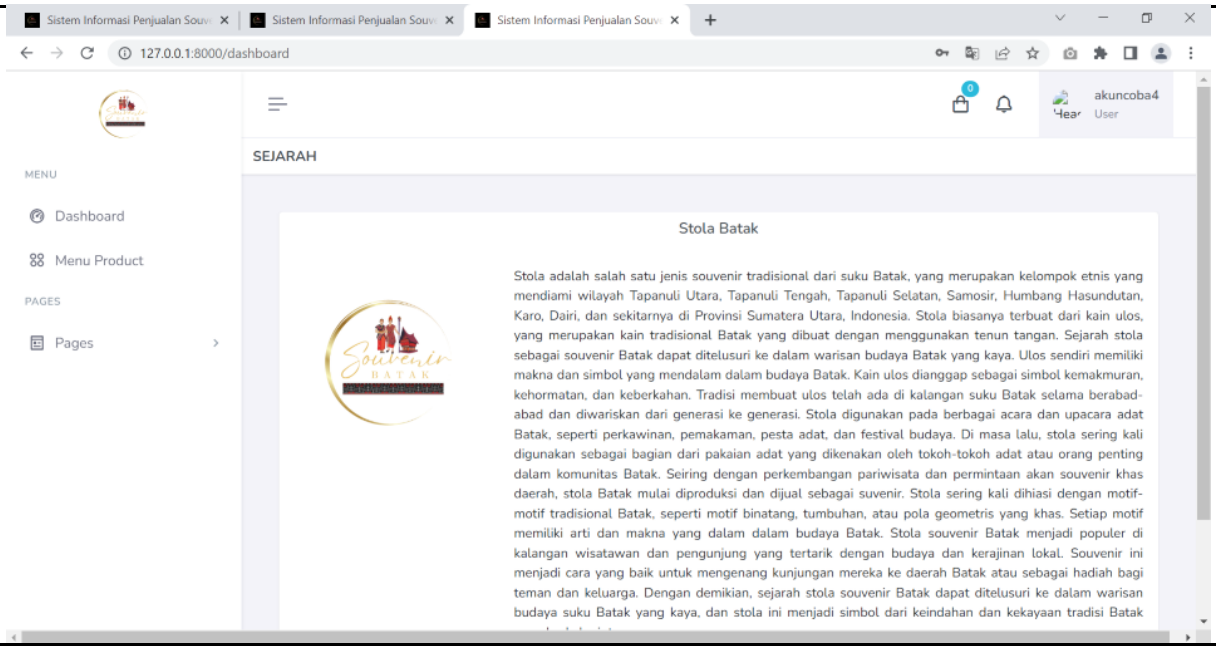
iv. The Console after Running

Finished after 0.047 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun4 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.001 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 5
  username: akuncoba5
  password: akuncoba5

i. The test frame for every test case

```
# -- Akun 5
  Scenario: Test Login Akun5
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 5
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba5");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba5");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

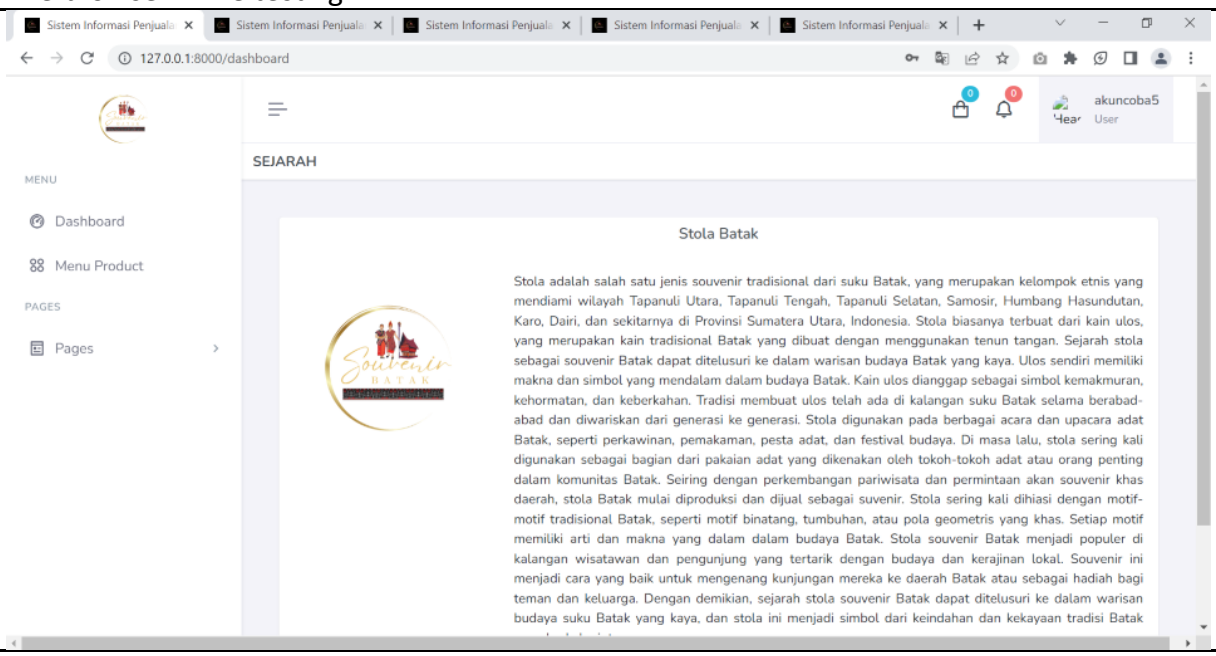
iv. The Console after Running

Finished after 0.057 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun5 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v.	The browser while testing



- Akun 6
  username: akuncoba6
  password: akuncoba6

i.	The test frame for every test case

```
# -- Akun 6
  Scenario: Test Login Akun6
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 6
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba6");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba6");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

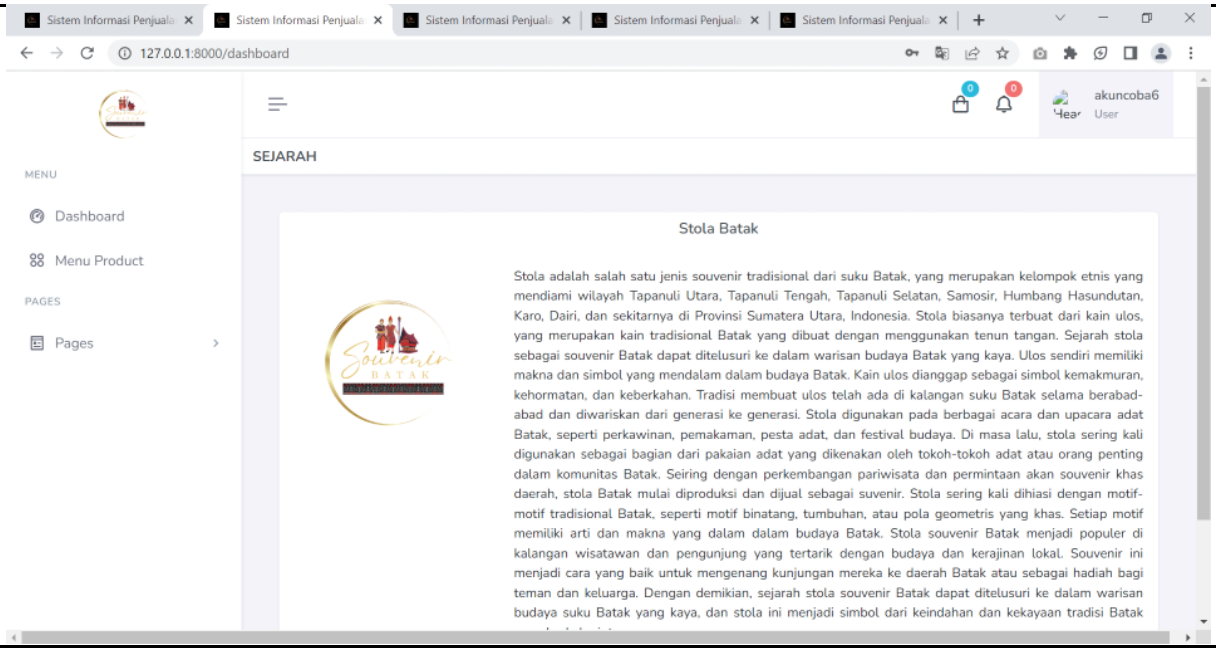
iv. The Console after Running

Finished after 0.062 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun6 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 7
  username: akuncoba7
  password: akuncoba7

i. The test frame for every test case

```
# -- Akun 7
  Scenario: Test Login Akun7
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 7
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba7");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba7");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

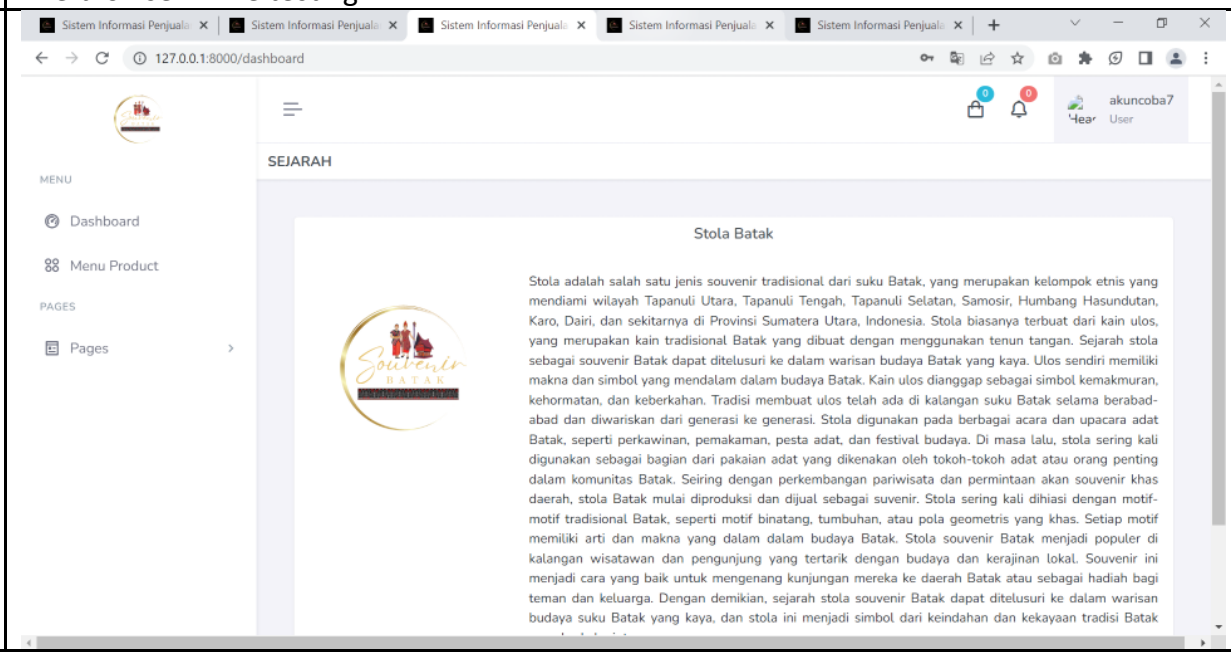
iv. The Console after Running

Finished after 0.038 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun7 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.001 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v.	The browser while testing



❖ Akun 8
username: akuncoba8
password: akuncoba8

i.	The test frame for every test case

```
# -- Akun 8
  Scenario: Test Login Akun8
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 8
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba8");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba8");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

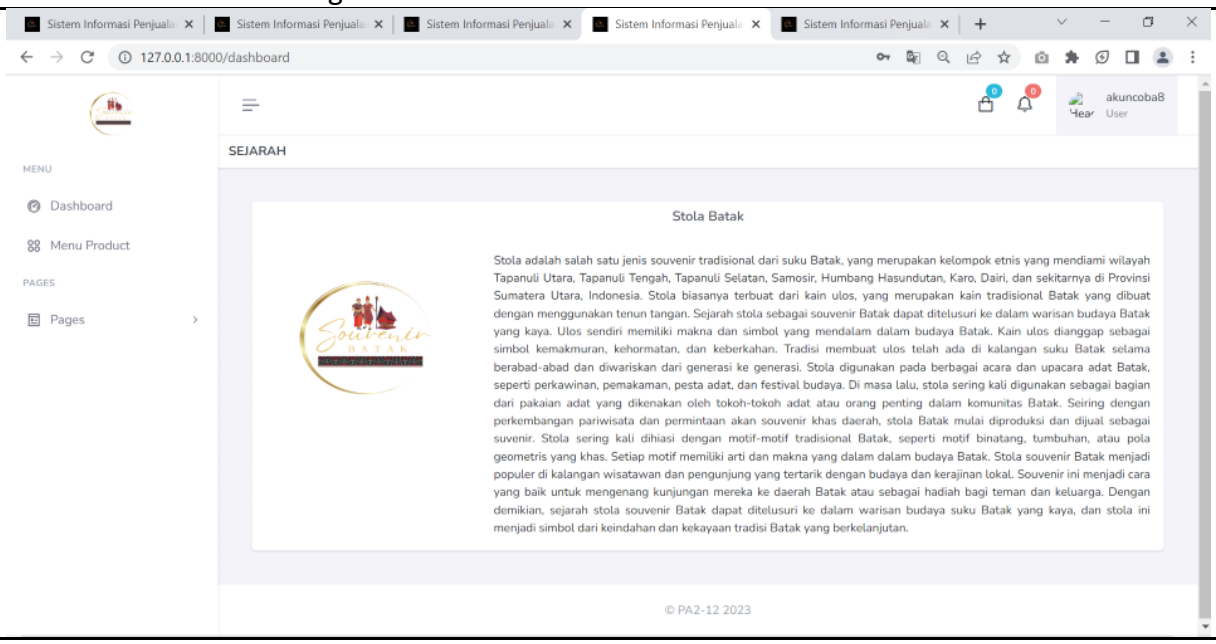
iv. The Console after Running

Finished after 0.049 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun8 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 9
  username: akuncoba9
  password: akuncoba9

i.	The test frame for every test case

```
# -- Akun 9
  Scenario: Test Login Akun9
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 9
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba9");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba9");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

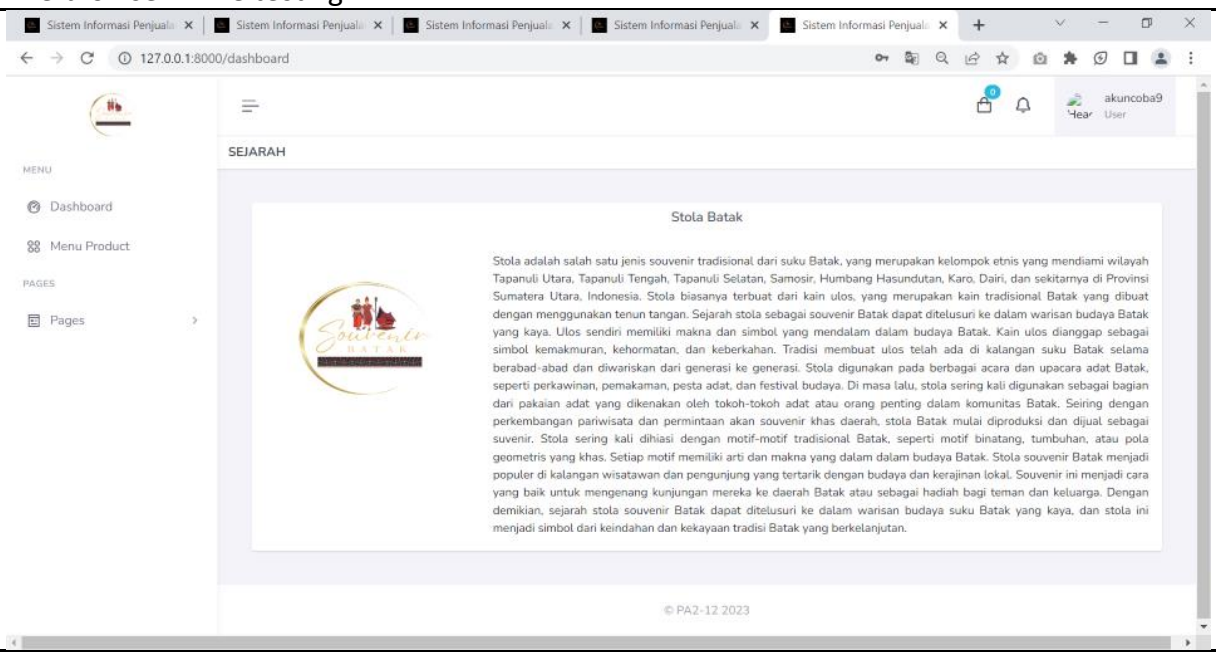
iv.	The Console after Running

Finished after 0.052 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun9 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v.	The browser while testing



- Akun 10
  username: akuncoba10
  password: akuncoba10

i.	The test frame for every test case

```
# -- Akun 10
  Scenario: Test Login Akun10
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 10
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba10");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba10");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

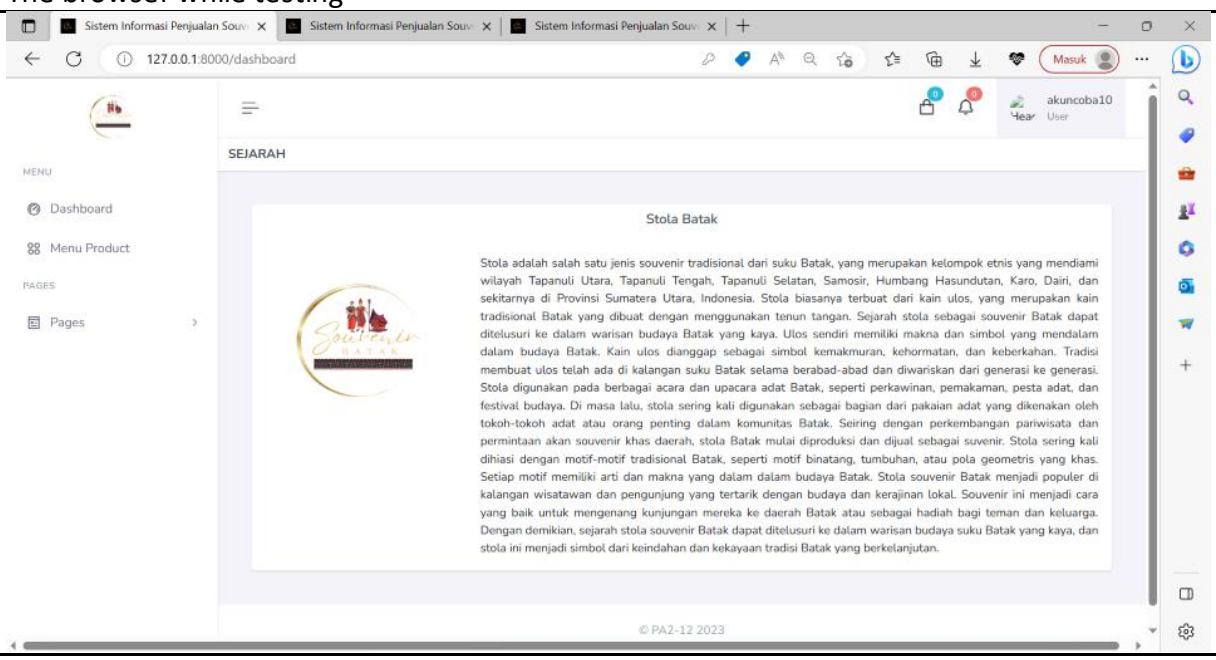
iv. The Console after Running

Finished after 0.067 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun10 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.001 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 11
  username: akuncoba11
  password: akuncoba11

i. The test frame for every test case

```
# -- Akun 11
  Scenario: Test Login Akun11
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 11
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba11");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba11");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

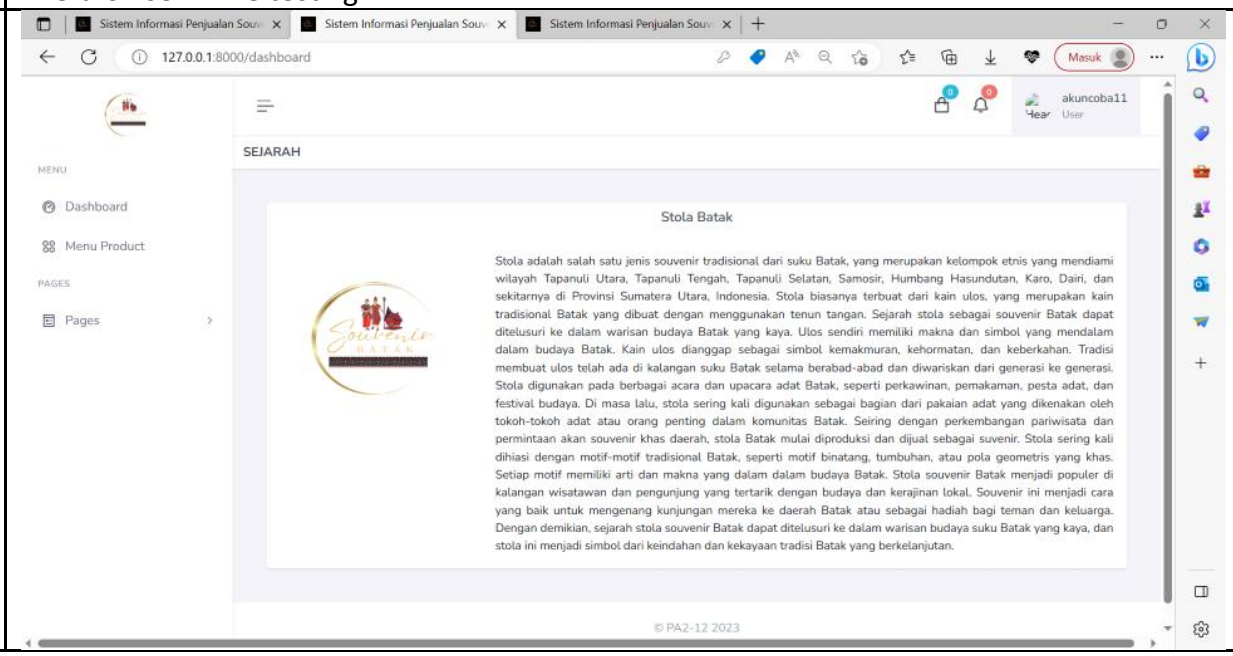
iv. The Console after Running

Finished after 0.059 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun11 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v.	The browser while testing



❖ Akun 12
username: akuncoba12
password: akuncoba12

i.	The test frame for every test case

```
# -- Akun 12
  Scenario: Test Login Akun12
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 12
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba12");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba12");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

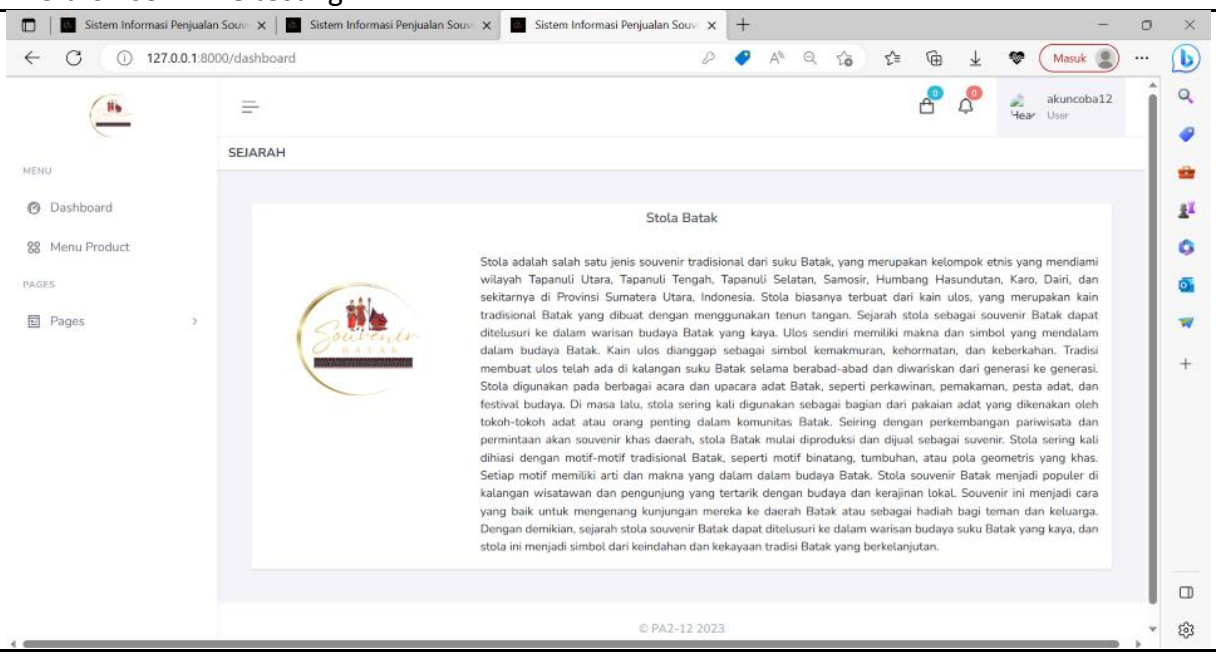
iv. The Console after Running

Finished after 0.046 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun12 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 13
  username: akuncoba13
  password: akuncoba13

i. The test frame for every test case

```
# -- Akun 13
  Scenario: Test Login Akun13
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 13
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba13");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba13");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

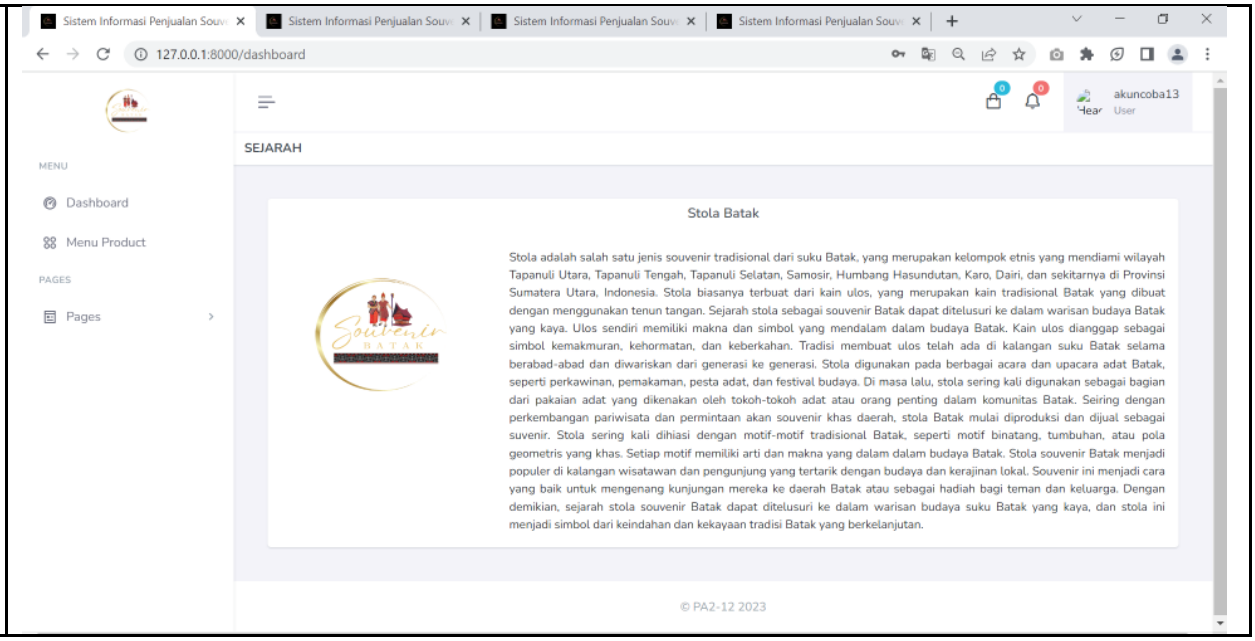
iv. The Console after Running

Finished after 0.052 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun13 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



❖ Akun 14
username: akuncoba14
password: akuncoba14

i. The test frame for every test case

```
# -- Akun 14
  Scenario: Test Login Akun14
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 14
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba14");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba14");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

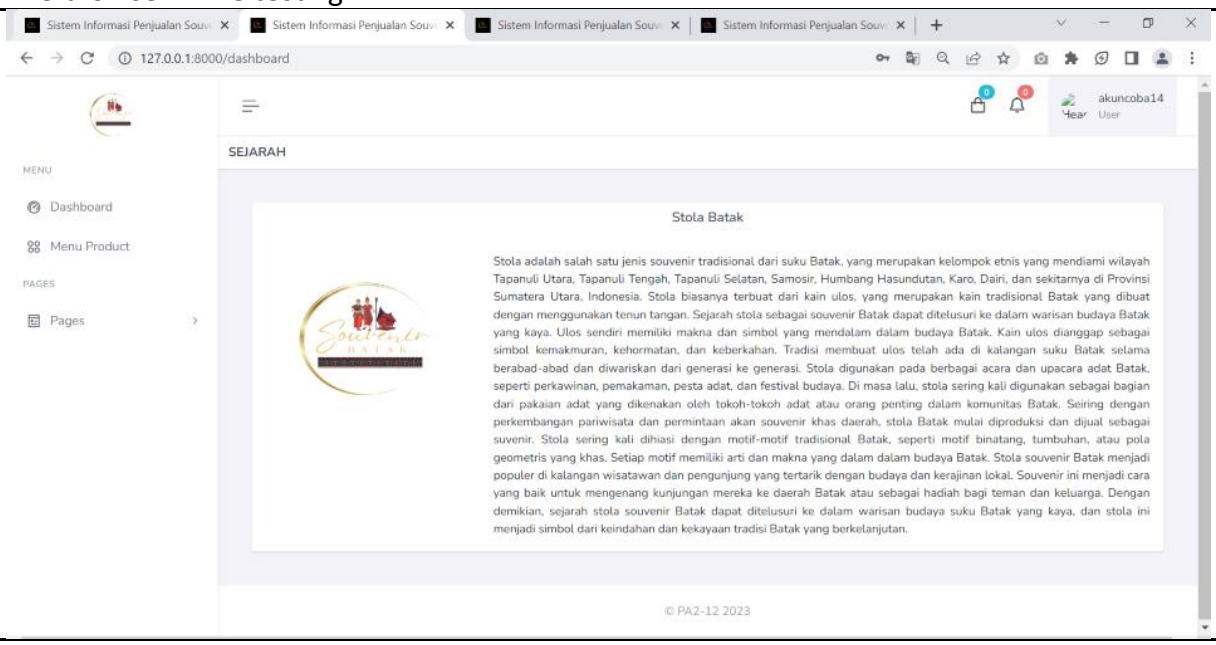
iv. The Console after Running

Finished after 0.043 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun14 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 15
  username: akuncoba15
  password: akuncoba15

i. The test frame for every test case

```
# -- Akun 15
  Scenario: Test Login Akun15
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 15
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba15");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba15");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

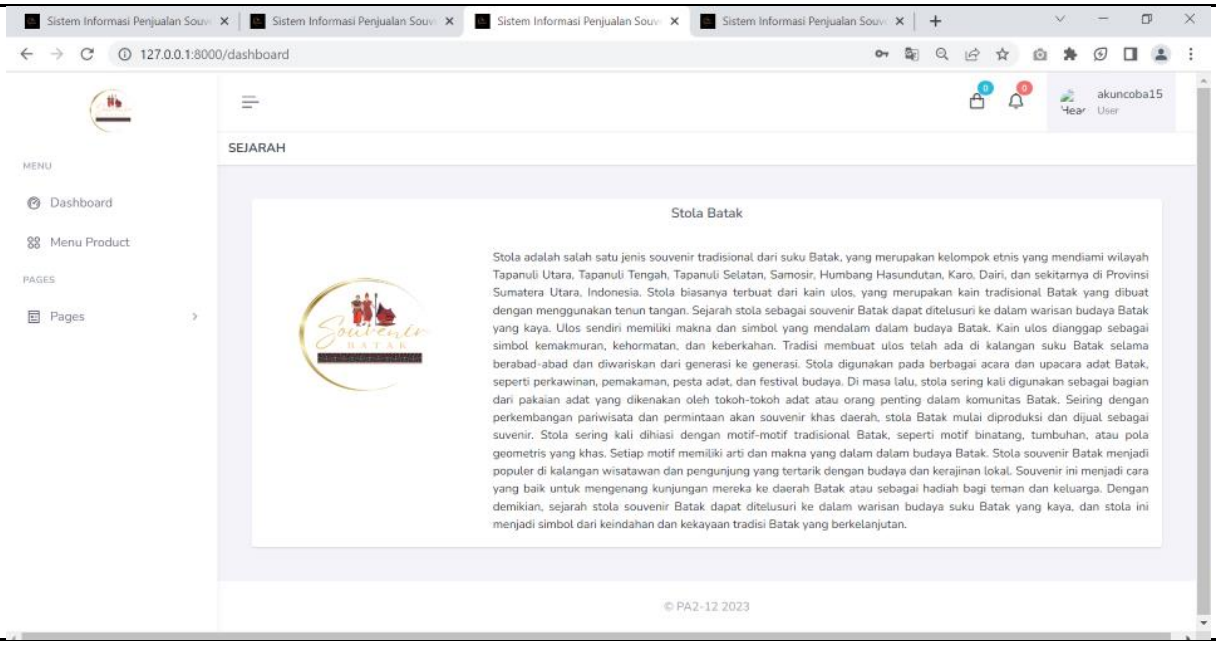
iv. The Console after Running

Finished after 0.035 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun15 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



❖ Akun 16
username: akuncoba16
password: akuncoba16

i. The test frame for every test case

```
# -- Akun 16
  Scenario: Test Login Akun16
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 16
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba16");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba16");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

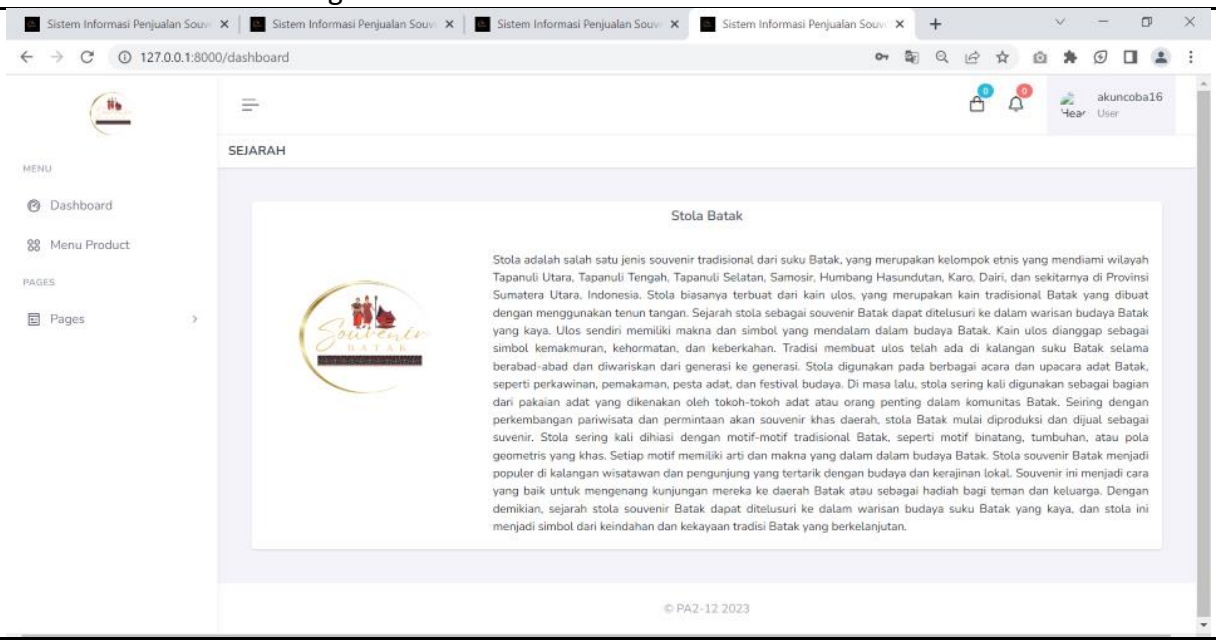
iv. The Console after Running

Finished after 0.041 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun16 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.001 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 17
  username: akuncoba17
  password: akuncoba17

i. The test frame for every test case

```
# -- Akun 17
  Scenario: Test Login Akun17
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```java
//Akun 17
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba17");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba17");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

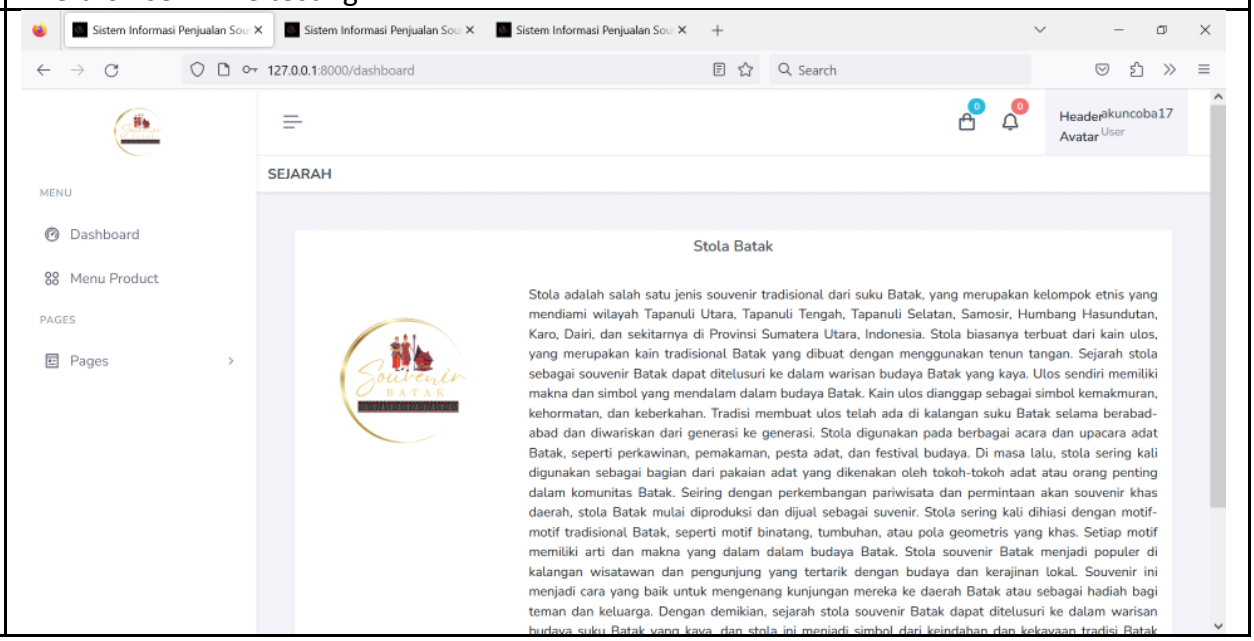
iv. The Console after Running

Finished after 0.044 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun17 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v.	The browser while testing



- Akun 18
  username: akuncoba18
  password: akuncoba18

i.	The test frame for every test case

```
# -- Akun 18
  Scenario: Test Login Akun18
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 18
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba18");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba18");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

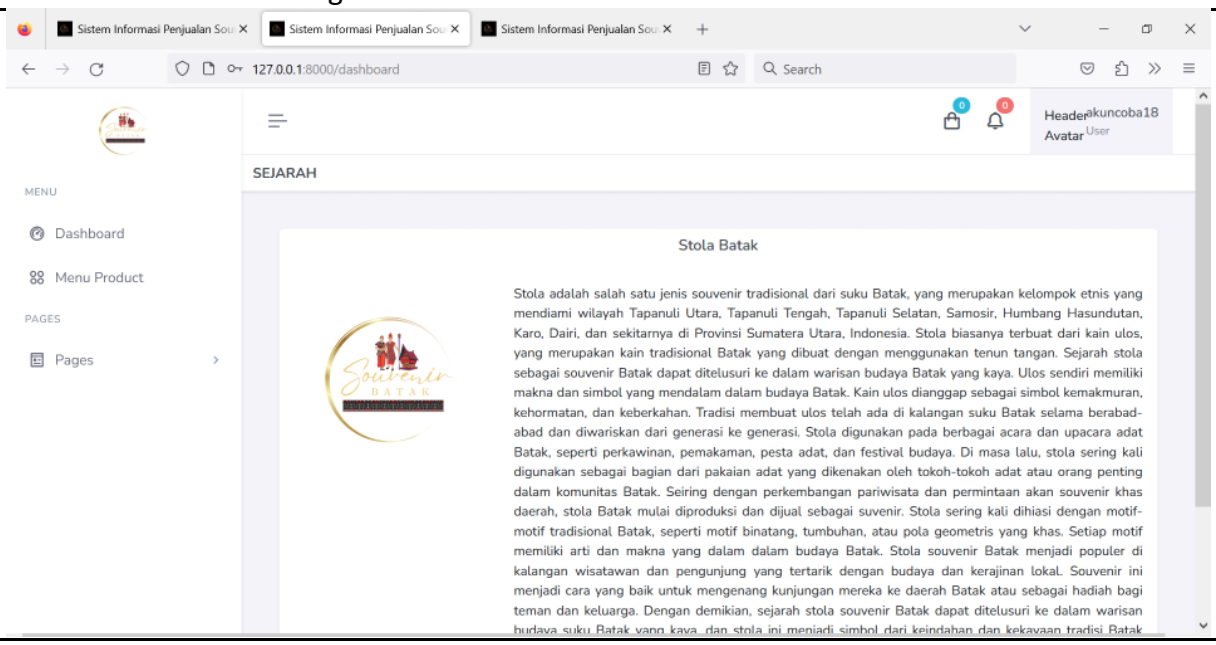
iv. The Console after Running

Finished after 0.045 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun18 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 19
  username: akuncoba19
  password: akuncoba19

i. The test frame for every test case

```
# -- Akun 19
  Scenario: Test Login Akun19
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 19
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba19");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba19");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

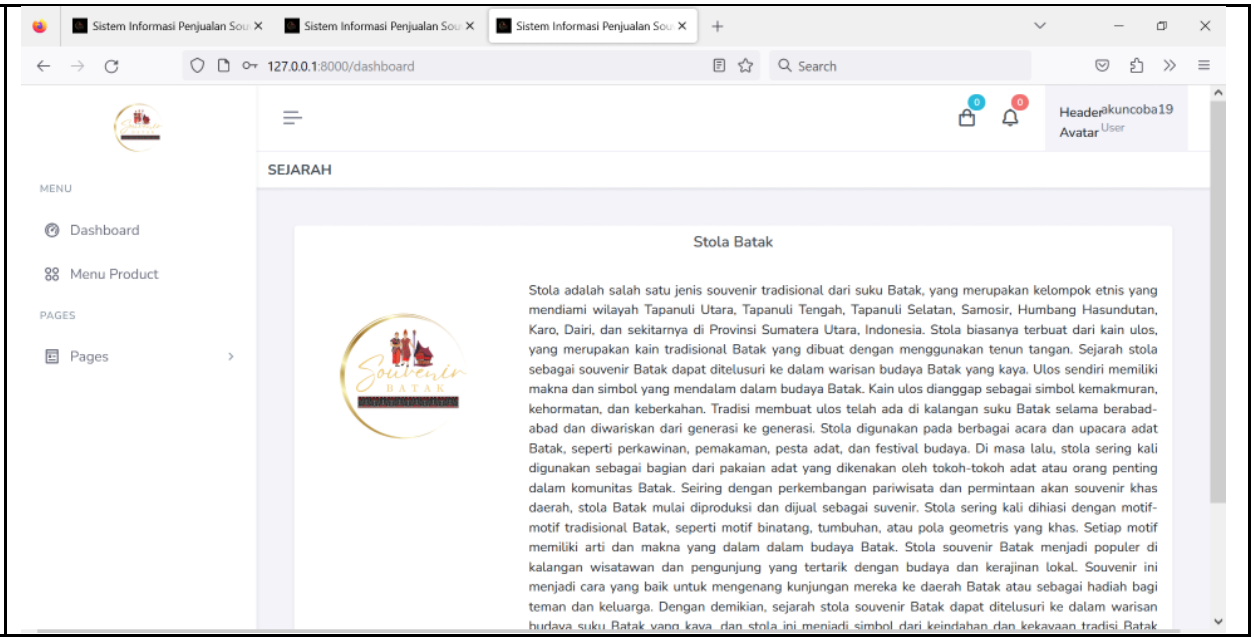
iv. The Console after Running

Finished after 0.051 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun19 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.001 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



❖ Akun 20
username: akuncoba20
password: akuncoba20

i. The test frame for every test case

```
# -- Akun 20
  Scenario: Test Login Akun20
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 20
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba20");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba20");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

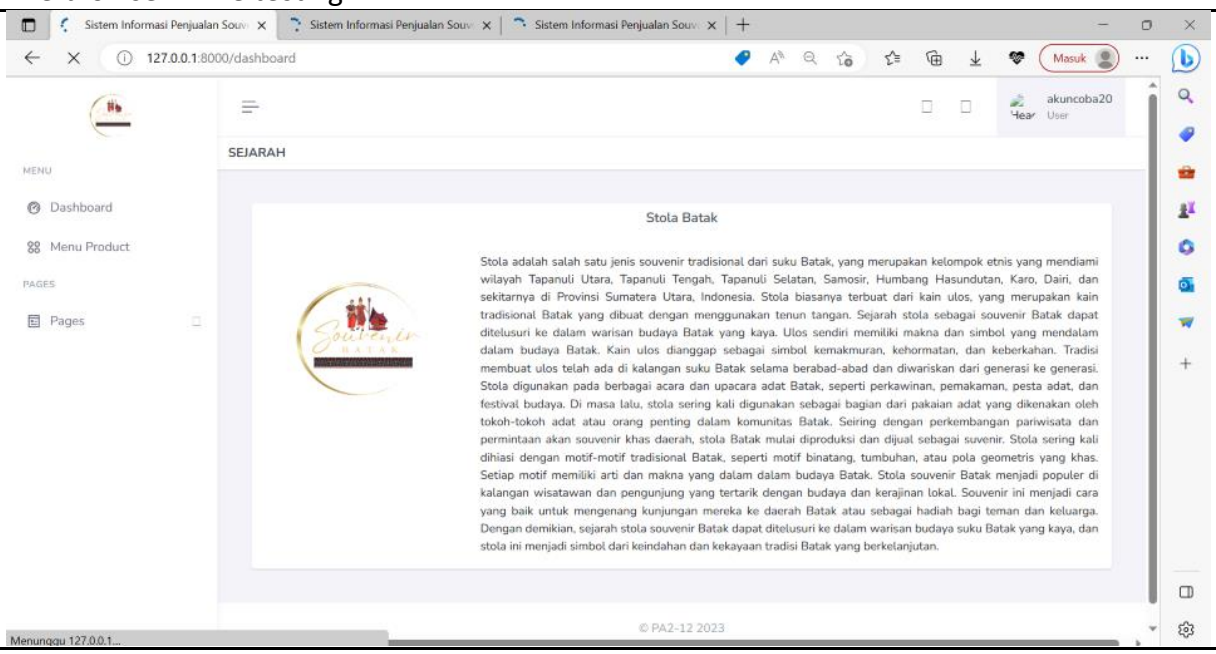
iv. The Console after Running

Finished after 0.049 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun20 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 21
  username: akuncoba21
  password: akuncoba21

i. The test frame for every test case

```
# -- Akun 21
  Scenario: Test Login Akun21
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 21
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba21");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba21");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

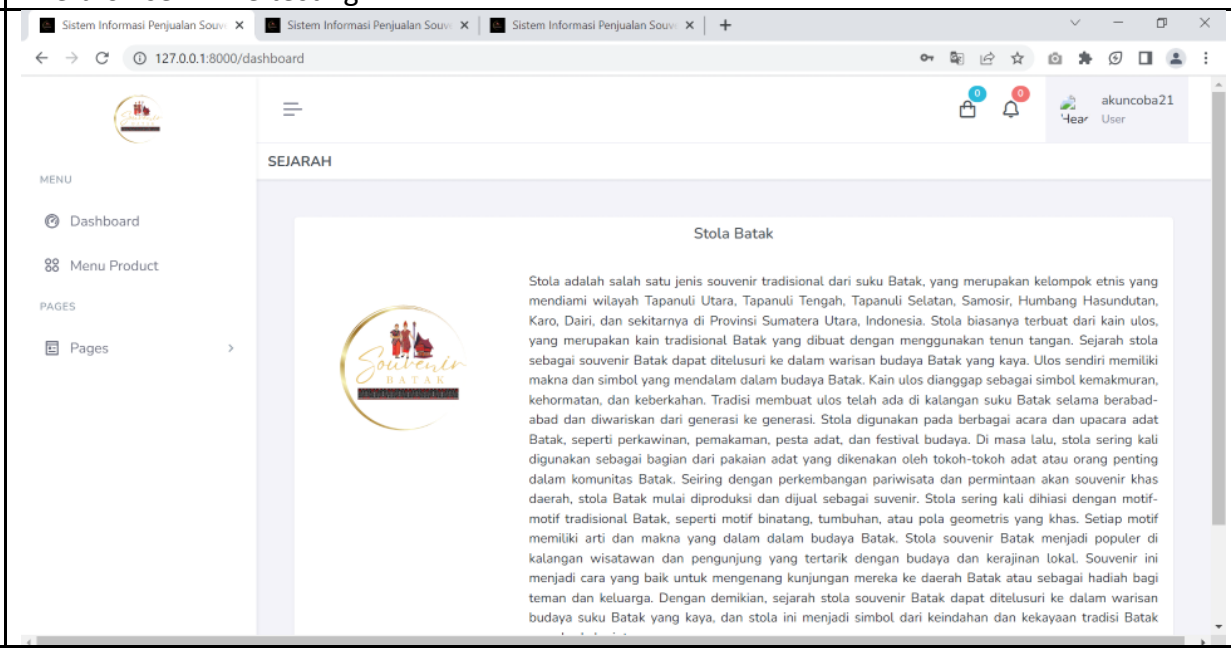
iv. The Console after Running

Finished after 0.056 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun21 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v.	The browser while testing



- Akun 22
  username: akuncoba22
  password: akuncoba22

i.	The test frame for every test case

```
# -- Akun 22
  Scenario: Test Login Akun22
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 22
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba22");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba22");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

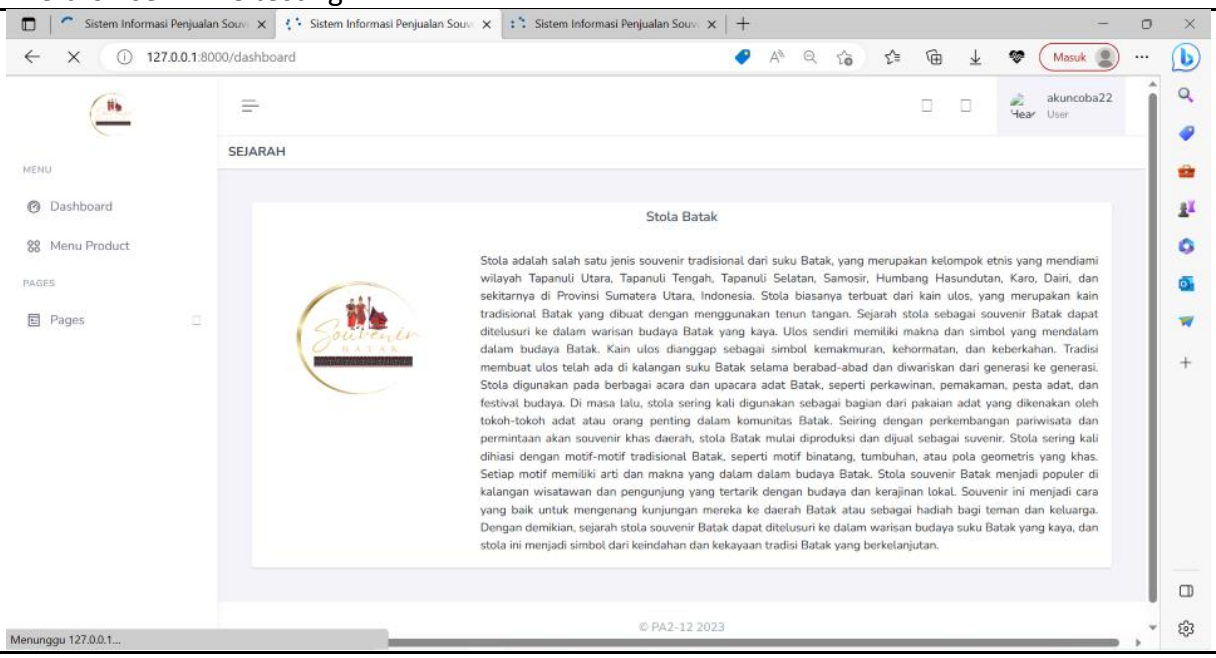
iv. The Console after Running

Finished after 0.083 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun22 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 23
  username: akuncoba23
  password: akuncoba23

i. The test frame for every test case

```
# -- Akun 23
  Scenario: Test Login Akun23
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 23
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba23");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba23");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

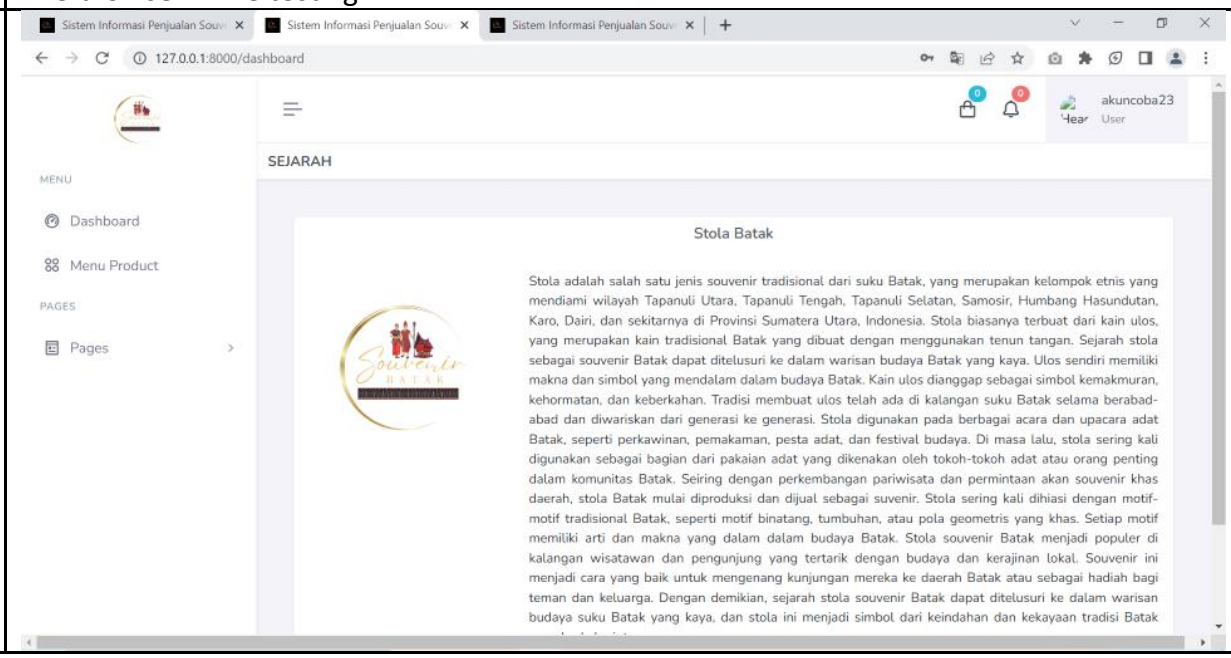
iv. The Console after Running

Finished after 0.044 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun23 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v.	The browser while testing



❖ Akun 24
username: akuncoba24
password: akuncoba24

i.	The test frame for every test case

```
# -- Akun 24
  Scenario: Test Login Akun24
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 24
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba24");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba24");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

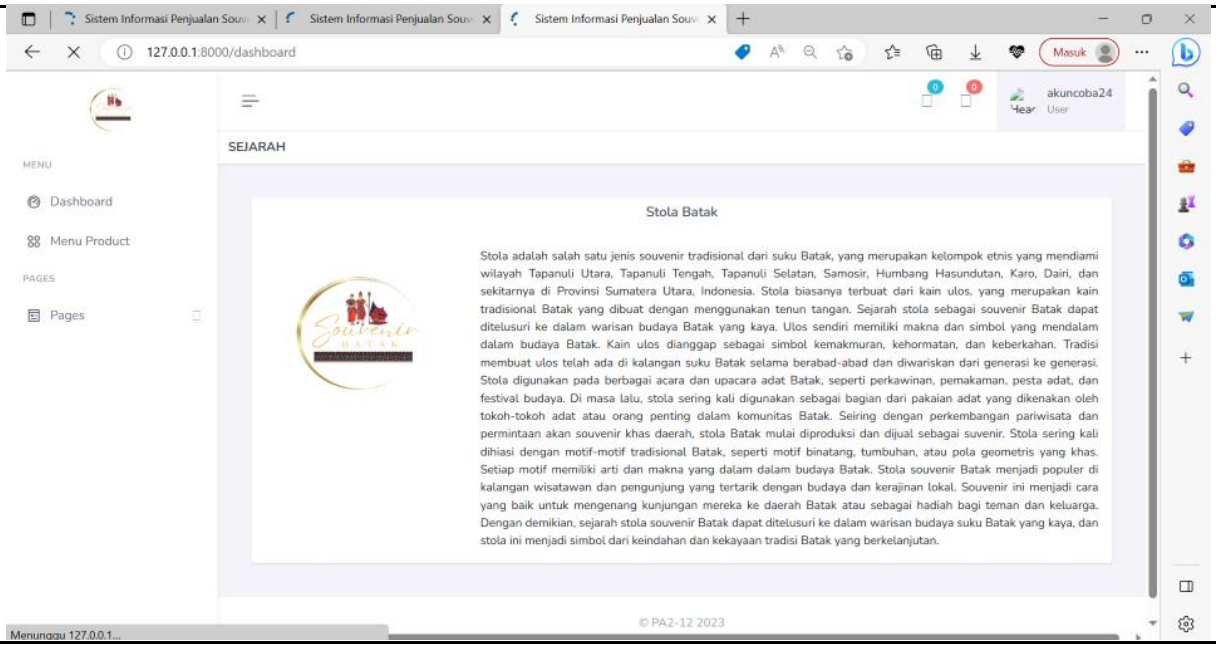
iv. The Console after Running

Finished after 0.049 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun24 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v. The browser while testing



- Akun 25
  username: akuncoba25
  password: akuncoba25

i. The test frame for every test case

```
# -- Akun 25
  Scenario: Test Login Akun25
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii. The step definition

```
//Akun 25
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}
@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}
@When("^I enter valid username and valid password$")
public void I_enter_valid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba25");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba25");
}
@Then("^I can login successfully$")
public void I_can_login_successfully() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

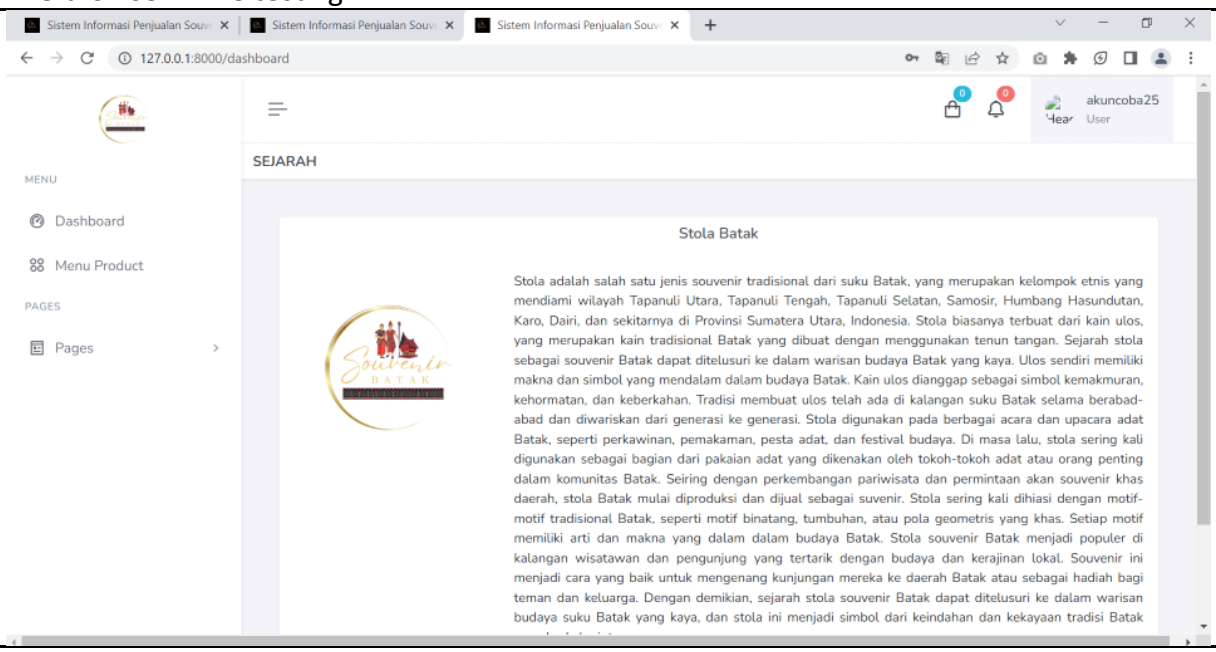
iv. The Console after Running

Finished after 0.044 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun25 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and valid password (0.000 s)
      - Then I can login successfully (0.000 s)

v.	The browser while testing



- Scenario 2: valid username and invalid password
  - ❖ Akun 1

    username: akuncoba1

    password: salahpassword

i. The test frame for every test case

```
# Scenario 2 valid username and invalid password

  # -- Akun 1
    Scenario: Test Login Akun1
        Given open chrome and http://127.0.0.1:8000 accessed
        And I click Login button
        When I enter valid username and invalid password
        Then I cannot login to system
```

ii. The step definition

```
//Akun 1
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba1");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

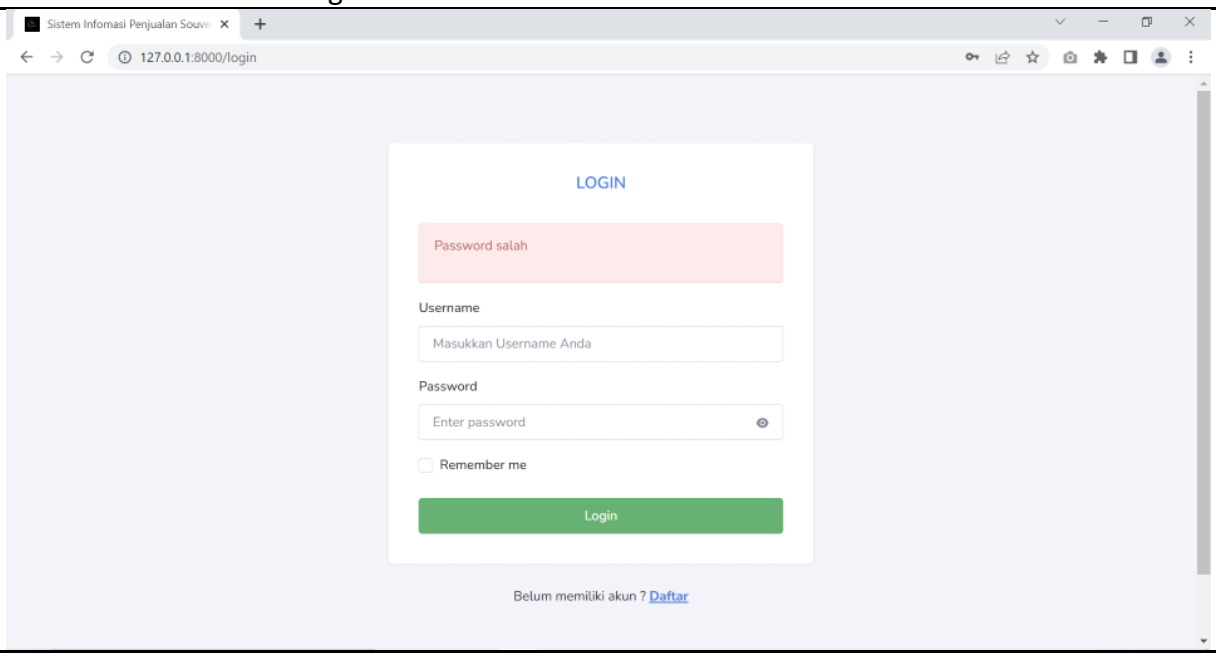
iv. The Console after Running

Finished after 0.058 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Login Akun1 (0.000 s)
    - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
    - And I click Login button (0.000 s)
    - When I enter valid username and invalid password (0.000 s)
    - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 2
username: akuncoba2
password: salahpassword

i. The test frame for every test case

```
# -- Akun 2
  Scenario: Test Login Akun2
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 2
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba2");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

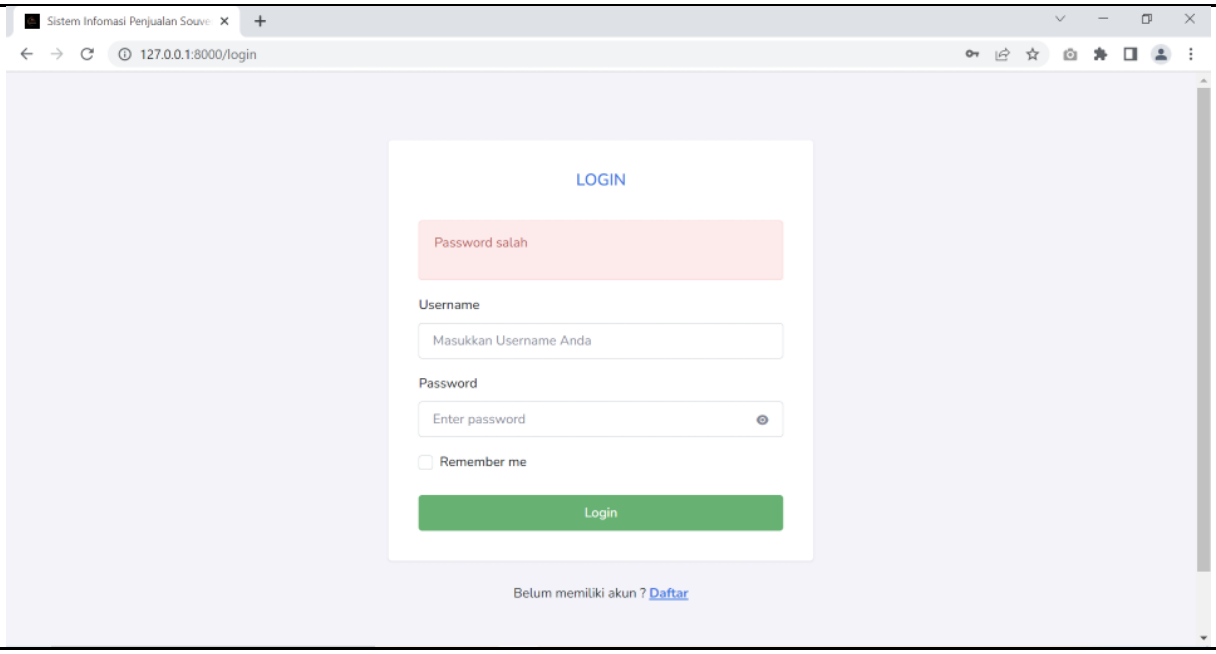
iv. The Console after Running

Finished after 0.078 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun2 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 3
username: akuncoba3
password: salahpassword

i. The test frame for every test case

```
# -- Akun 3
  Scenario: Test Login Akun3
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 3
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba3");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

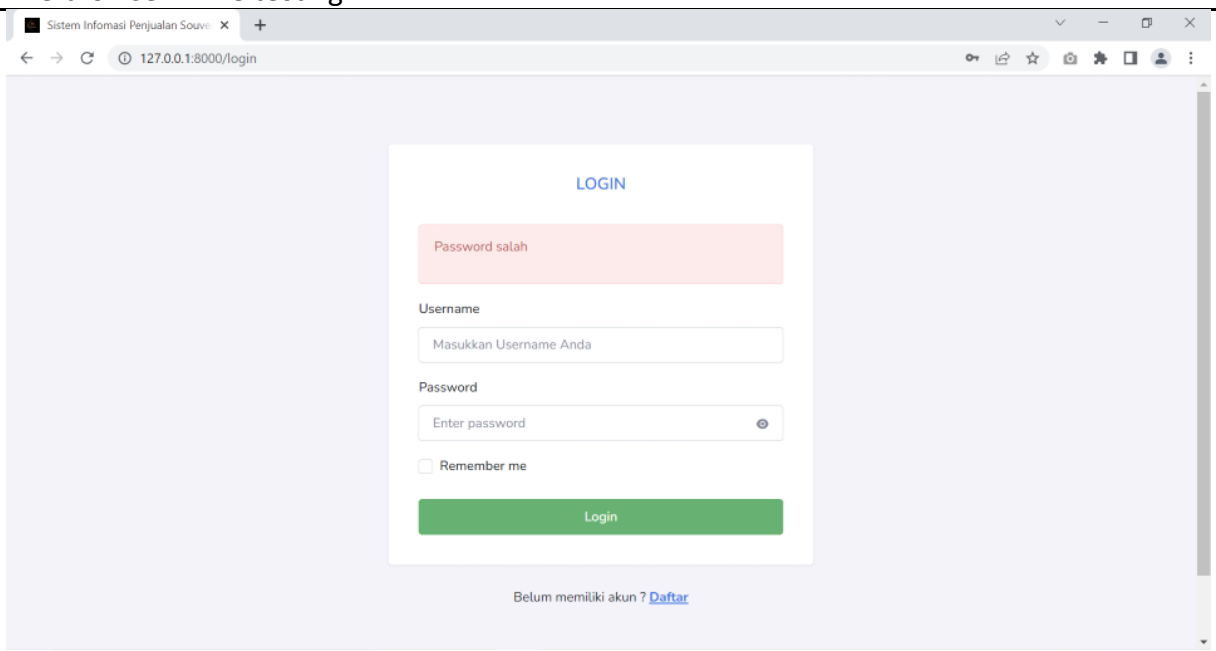
iv. The Console after Running

Finished after 0.057 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun3 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 4
  username: akuncoba4
  password: salahpassword

i.	The test frame for every test case

```
# -- Akun 4
  Scenario: Test Login Akun4
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii.	The step definition

```
//Akun 4
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba4");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii.	The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

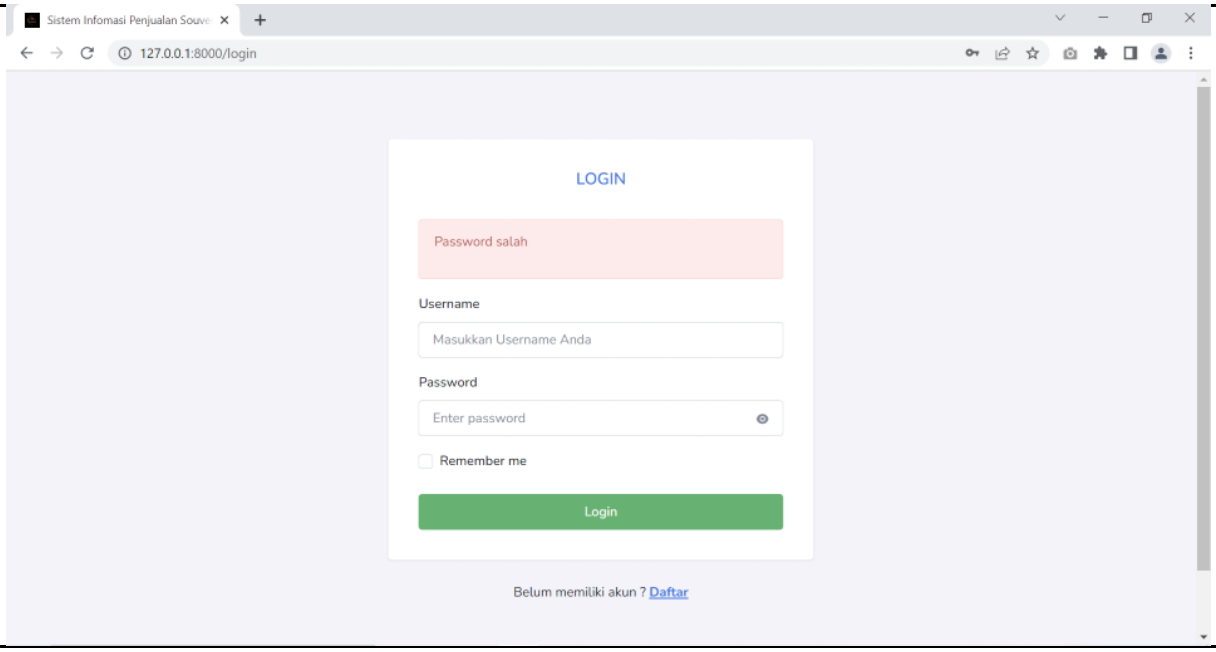
iv.	The Console after Running

Finished after 0.108 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Login Akun4 (0.000 s)
    - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
    - And I click Login button (0.000 s)
    - When I enter valid username and invalid password (0.000 s)
    - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 5
username: akuncoba5
password: salahpassword

i. The test frame for every test case

```
# -- Akun 5
  Scenario: Test Login Akun5
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 5
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba5");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

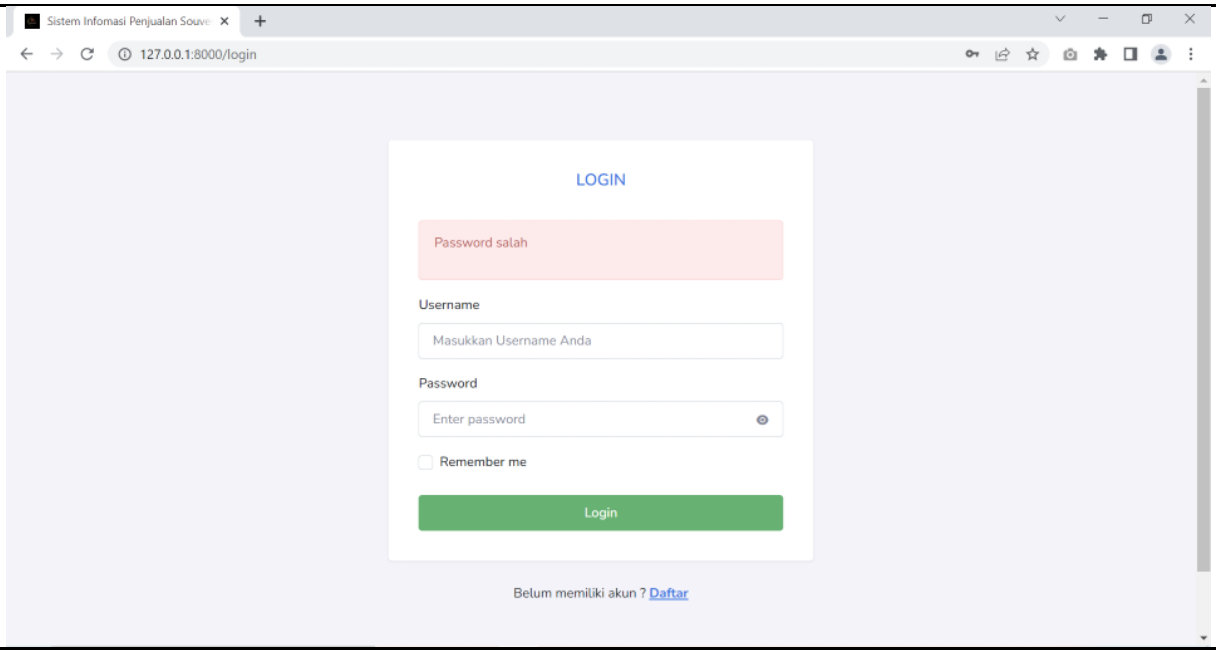
iv. The Console after Running

Finished after 0.061 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun5 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 6
username: akuncoba6
password: salahpassword

i. The test frame for every test case

```
# -- Akun 6
  Scenario: Test Login Akun6
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 6
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba6");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

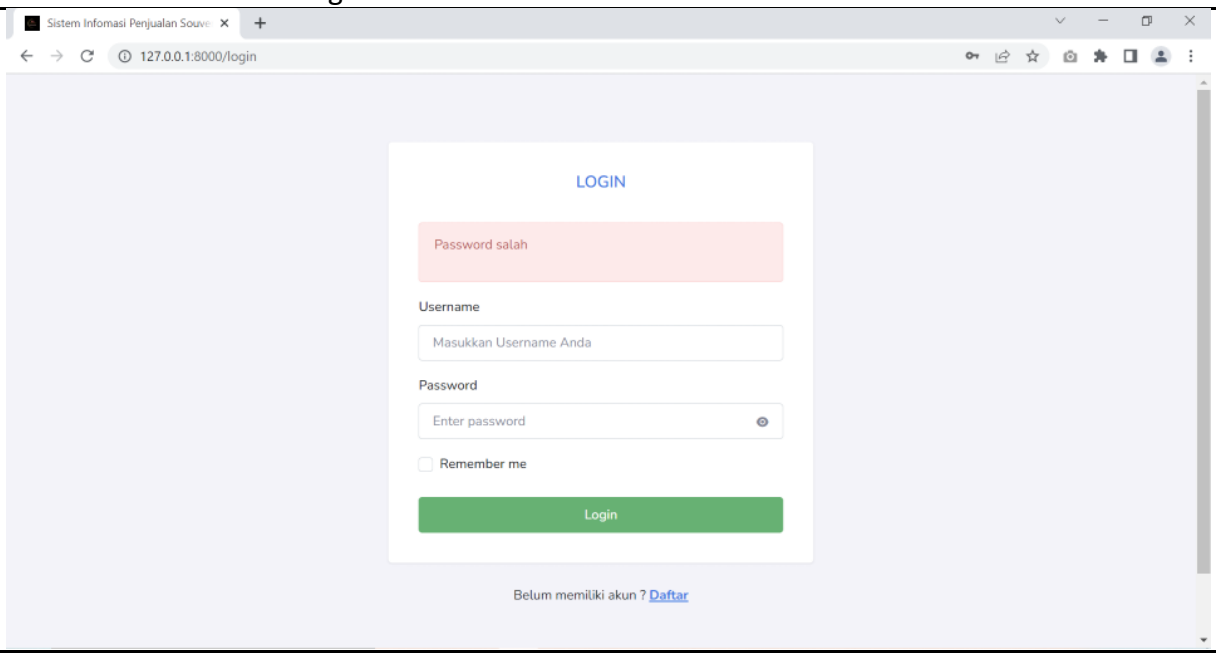
iv. The Console after Running

Finished after 0.064 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun6 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 7
  username: akuncoba7
  password: salahpassword

i.	The test frame for every test case

```
# -- Akun 7
  Scenario: Test Login Akun7
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii.	The step definition

```
//Akun 7
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba7");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii.	The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

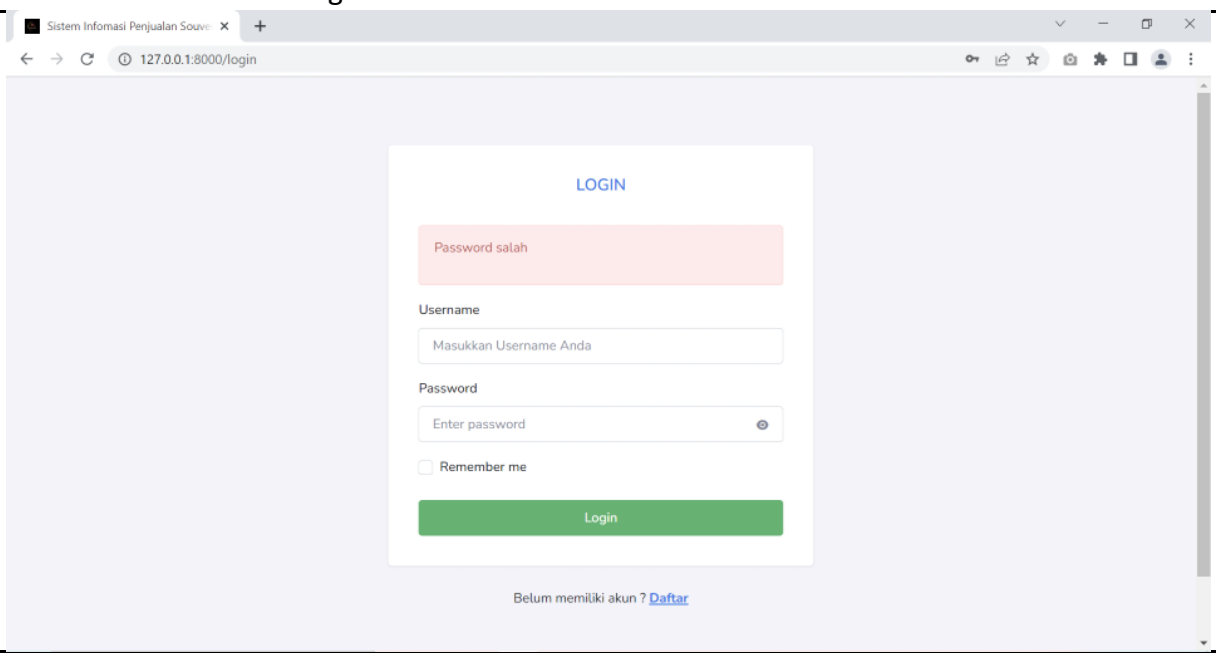
iv.	The Console after Running

Finished after 0.067 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Login Akun7 (0.000 s)
    - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
    - And I click Login button (0.000 s)
    - When I enter valid username and invalid password (0.000 s)
    - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 8
username: akuncoba8
password: salahpassword

i. The test frame for every test case

```
# -- Akun 8
  Scenario: Test Login Akun8
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 8
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba8");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

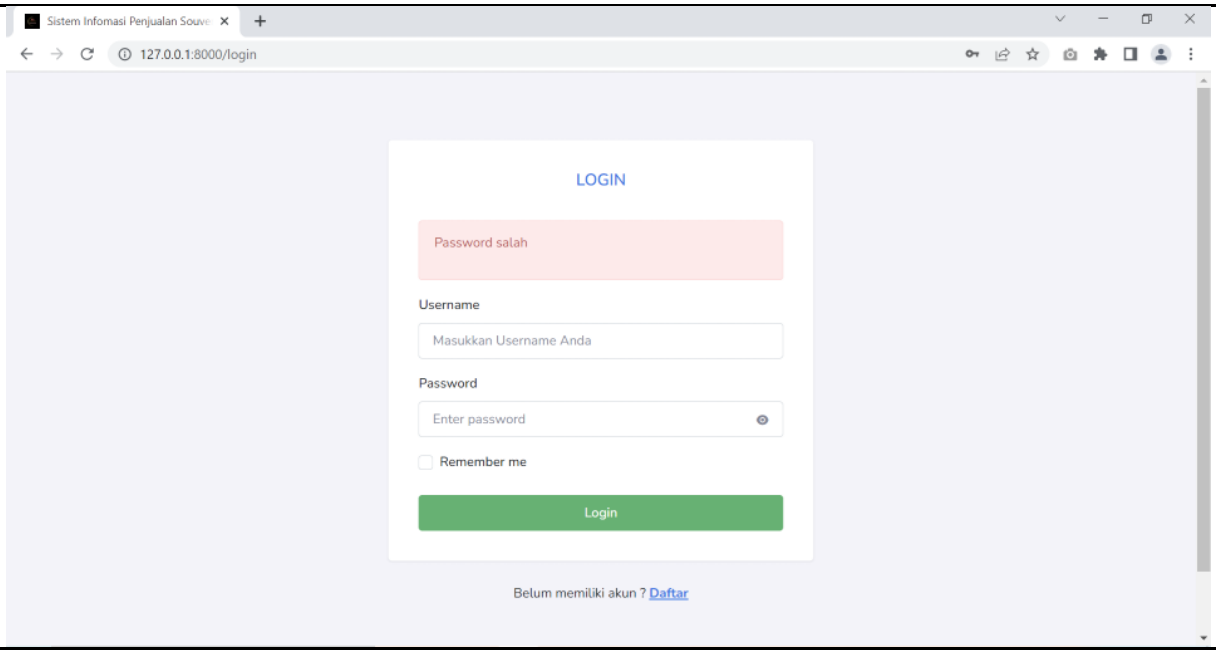
iv. The Console after Running

Finished after 0.167 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun8 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 9
username: akuncoba9
password: salahpassword

i. The test frame for every test case

```
# -- Akun 9
  Scenario: Test Login Akun9
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 9
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba9");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

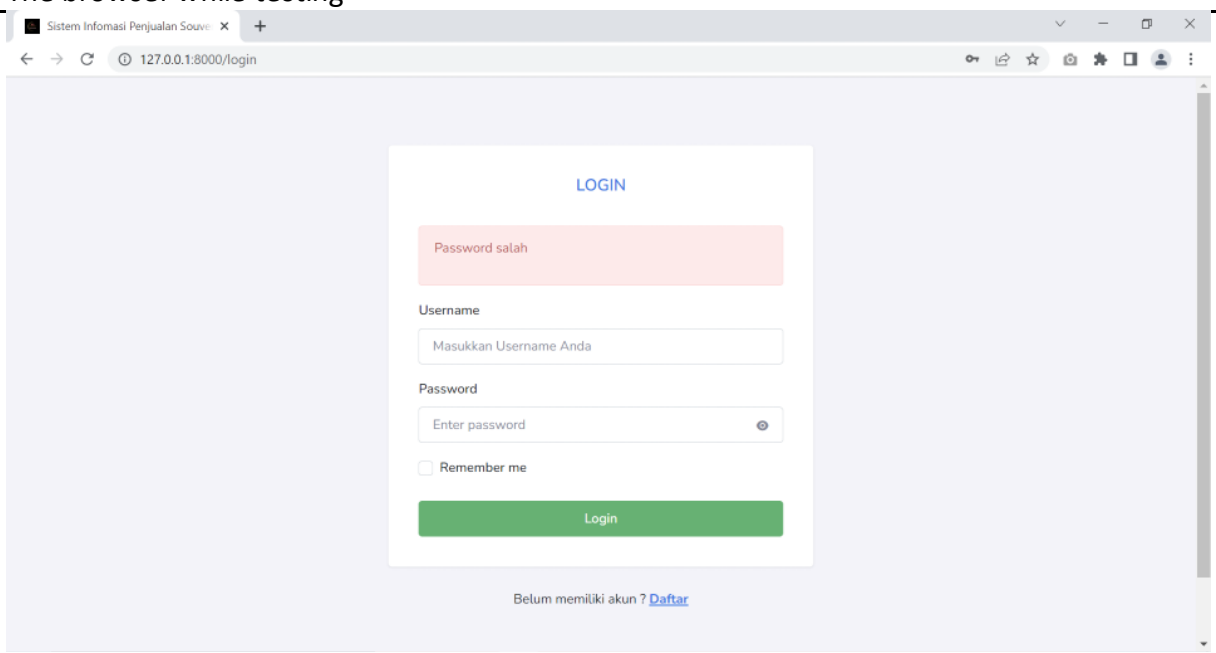
iv. The Console after Running

Finished after 0.063 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun9 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 10
  username: akuncoba10
  password: salahpassword

i. The test frame for every test case

```
# -- Akun 10
  Scenario: Test Login Akun10
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 10
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba10");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

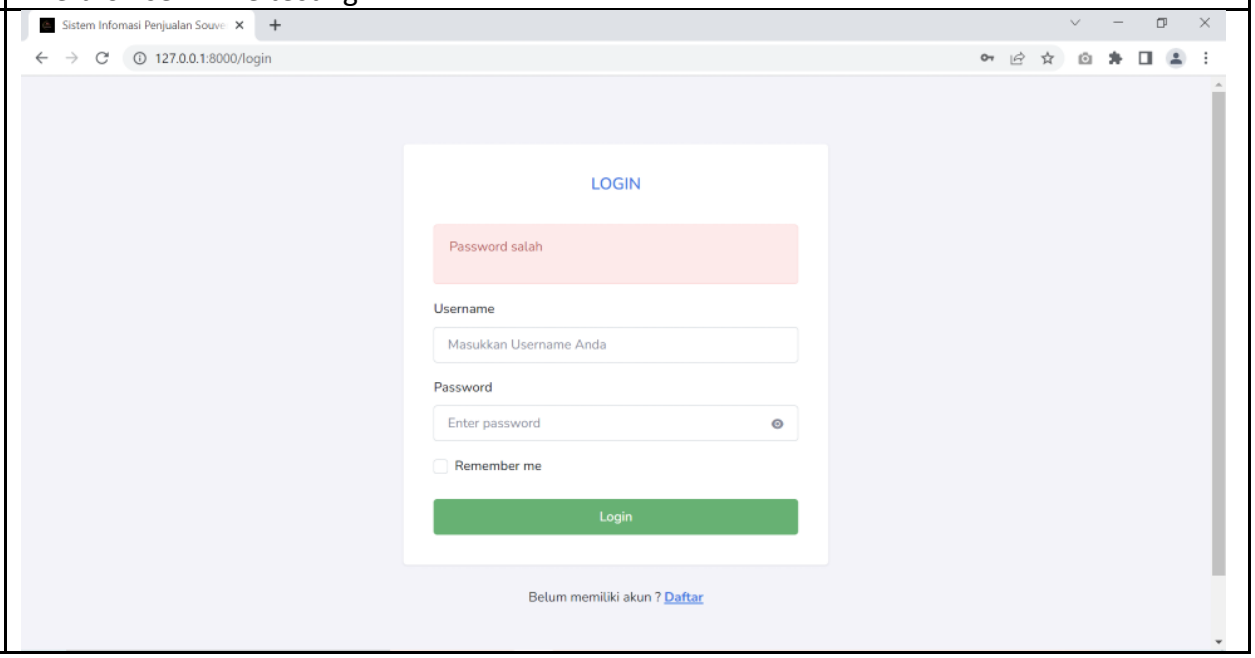
iv. The Console after Running

Finished after 0.047 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun10 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing



❖ Akun 11
username: akuncoba11
password: salahpassword

i.	The test frame for every test case

```
# -- Akun 11
  Scenario: Test Login Akun11
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 11
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba11");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

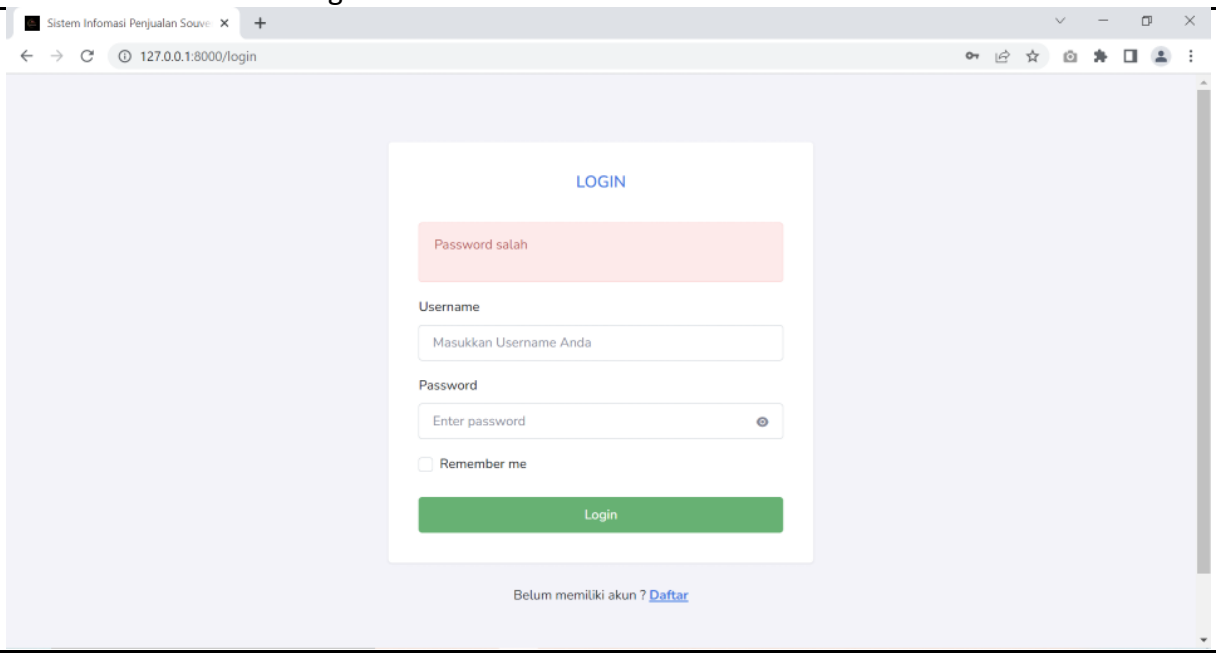
iv. The Console after Running

Finished after 0.063 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun11 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 12
  username: akuncoba12
  password: salahpassword

i.	The test frame for every test case

```
# -- Akun 12
  Scenario: Test Login Akun12
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii.	The step definition

```
//Akun 12
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba12");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii.	The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

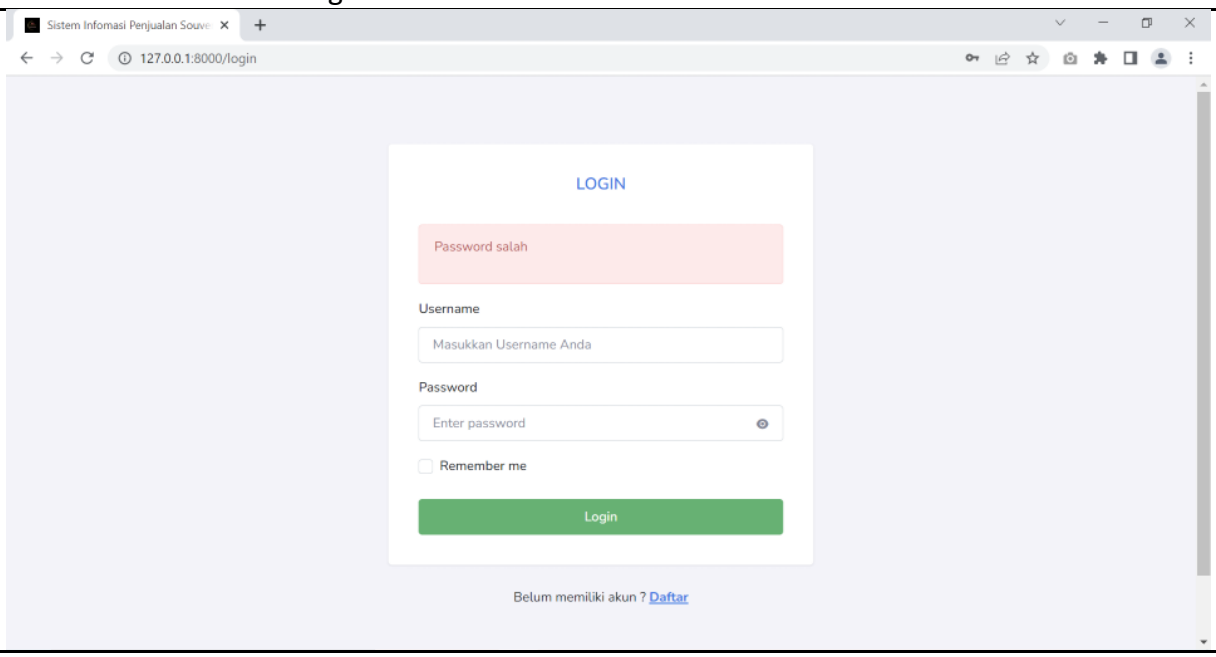
iv.	The Console after Running

Finished after 0.077 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun12 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 13
username: akuncoba13
password: salahpassword

i. The test frame for every test case

```
# -- Akun 13
  Scenario: Test Login Akun13
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 13
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba13");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

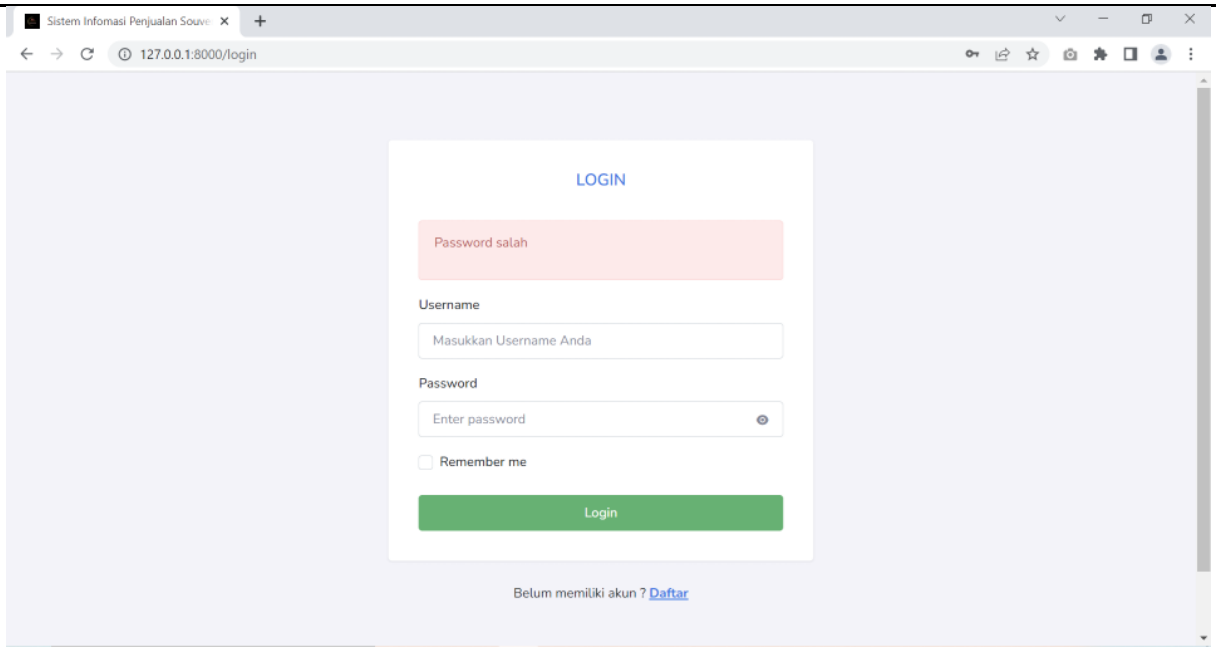
iv. The Console after Running

Finished after 0.069 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun13 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 14
username: akuncoba14
password: salahpassword

i. The test frame for every test case

```
# -- Akun 14
  Scenario: Test Login Akun14
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba14");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

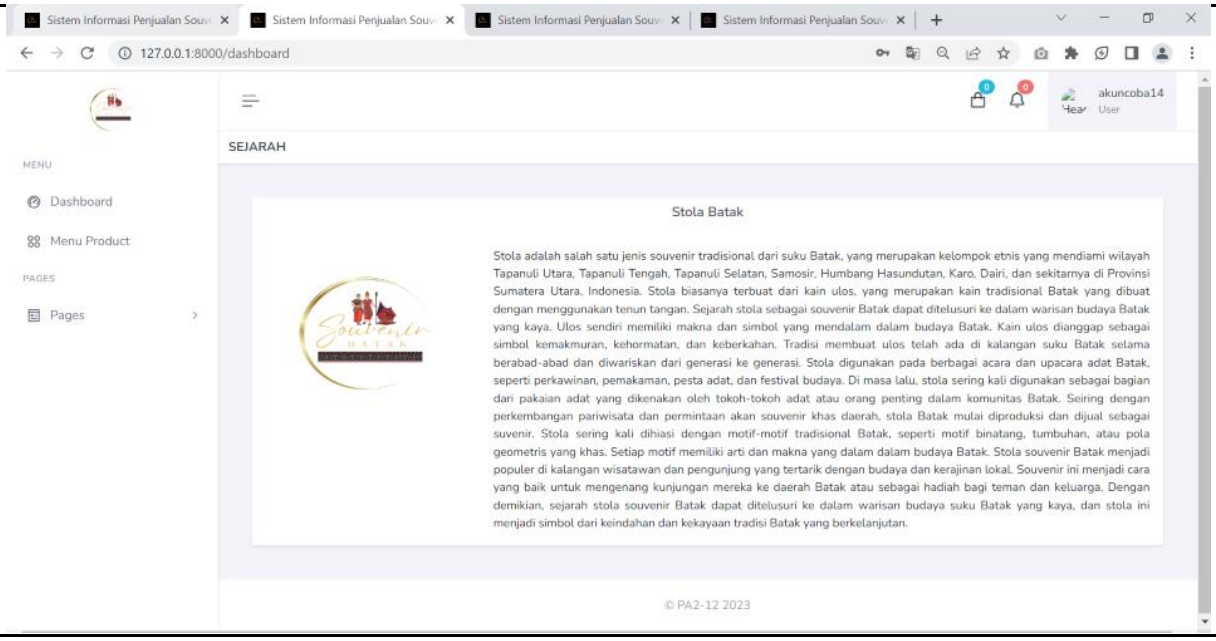
iv. The Console after Running

Finished after 0.054 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun14 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.001 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 15
  username: akuncoba15
  password: salahpassword

i. The test frame for every test case

```
# -- Akun 15
  Scenario: Test Login Akun15
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 15
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba15");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

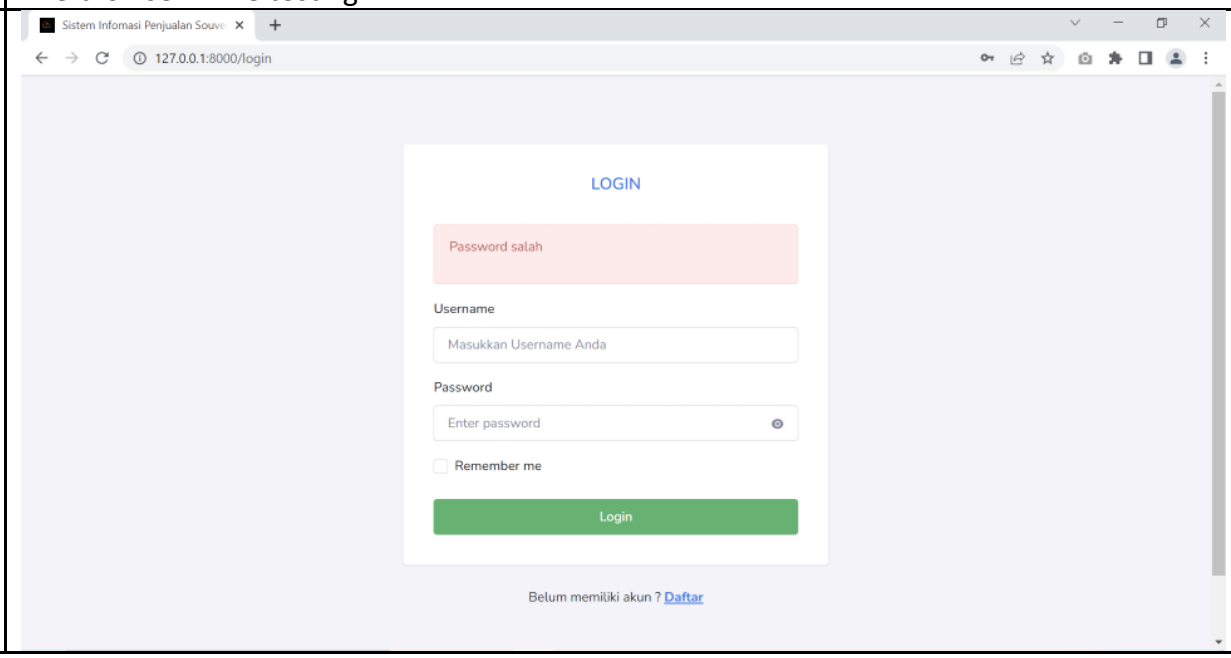
iv. The Console after Running

Finished after 0.063 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun15 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing



❖ Akun 16
username: akuncoba16
password: salahpassword

i. The test frame for every test case

```
# -- Akun 16
  Scenario: Test Login Akun16
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 16
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba16");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

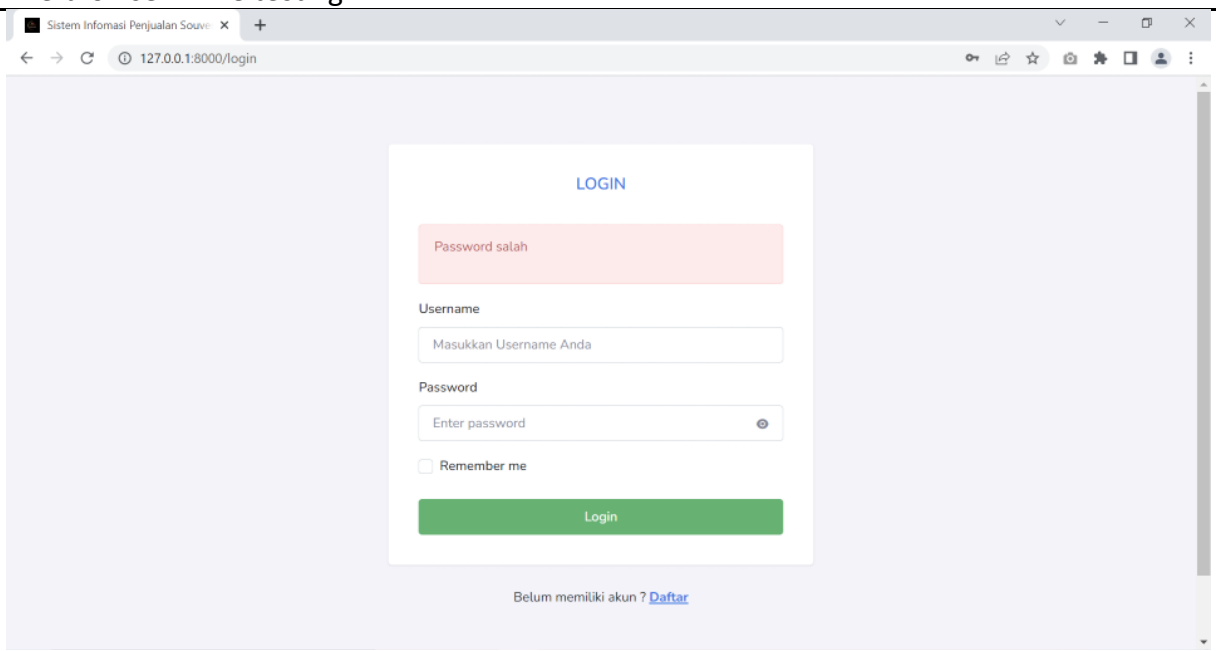
iv. The Console after Running

Finished after 0.05 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun16 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 17
  username: akuncoba17
  password: salahpassword

i. The test frame for every test case

```
# -- Akun 17
  Scenario: Test Login Akun17
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 17
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
    }

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
    }

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba17");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
    }

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

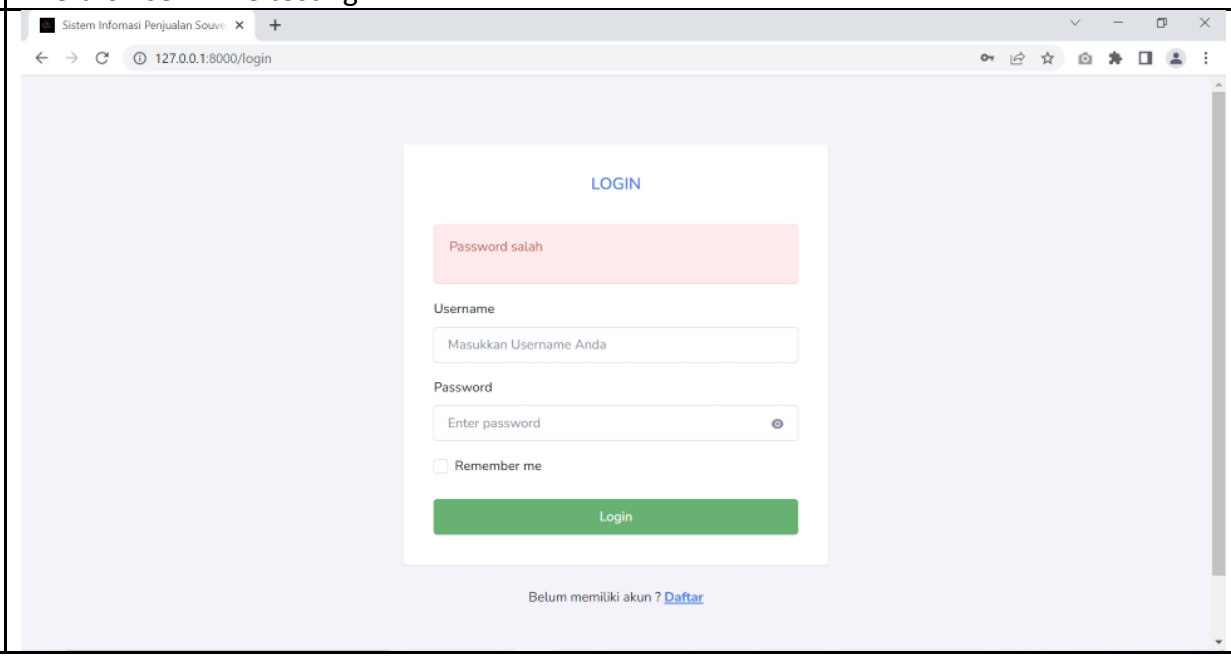
iv. The Console after Running

Finished after 0.07 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun17 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing



❖ Akun 18
username: akuncoba18
password: salahpassword

i.	The test frame for every test case

```
# -- Akun 18
  Scenario: Test Login Akun18
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and valid password
      Then I can login successfully
```

ii.	The step definition

```
//Akun 18
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba18");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

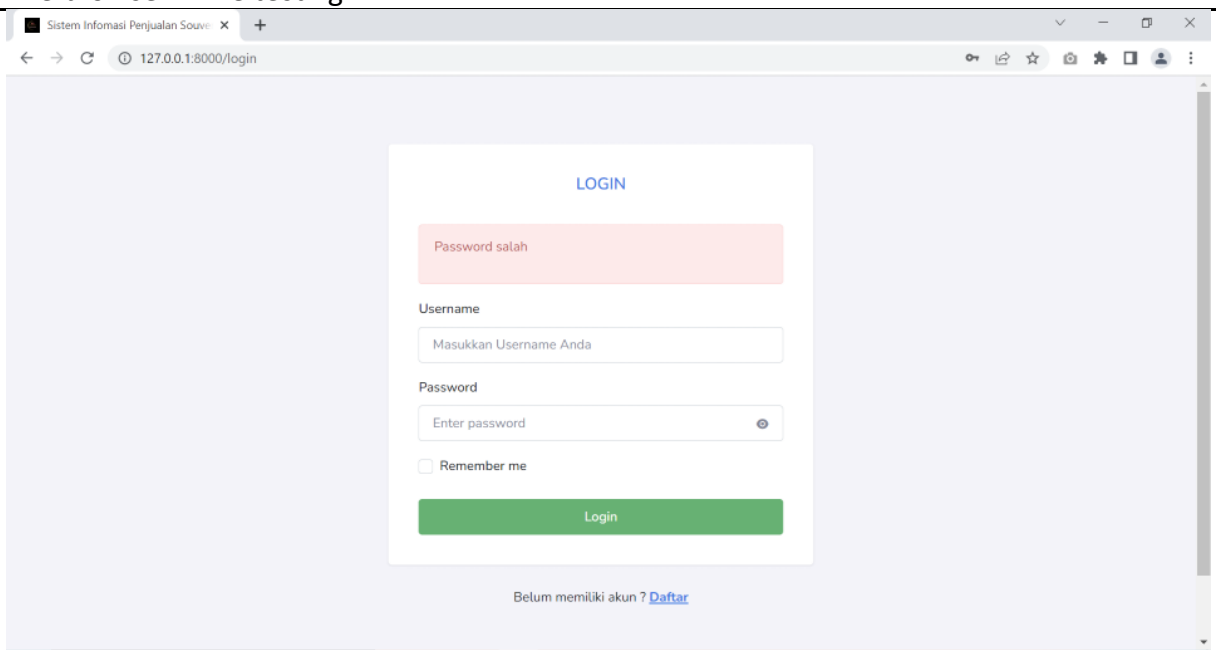
iv. The Console after Running

Finished after 0.053 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun18 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 19
  username: akuncoba19
  password: salahpassword

i.	The test frame for every test case

```
# -- Akun 19
  Scenario: Test Login Akun19
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii.	The step definition

```java
//Akun 19
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba19");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

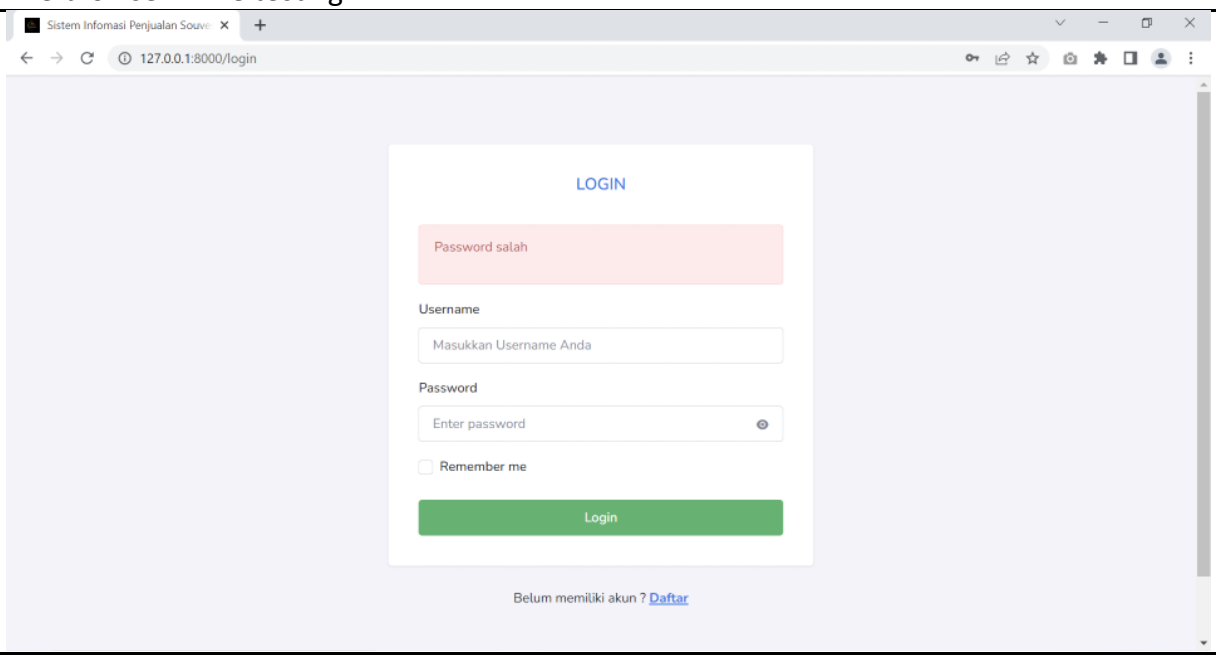
iv.	The Console after Running

Finished after 0.053 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Login Akun19 (0.000 s)
    - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
    - And I click Login button (0.000 s)
    - When I enter valid username and invalid password (0.000 s)
    - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 20
username: akuncoba20
password: salahpassword

i. The test frame for every test case

```
# -- Akun 20
  Scenario: Test Login Akun20
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 20
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba20");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

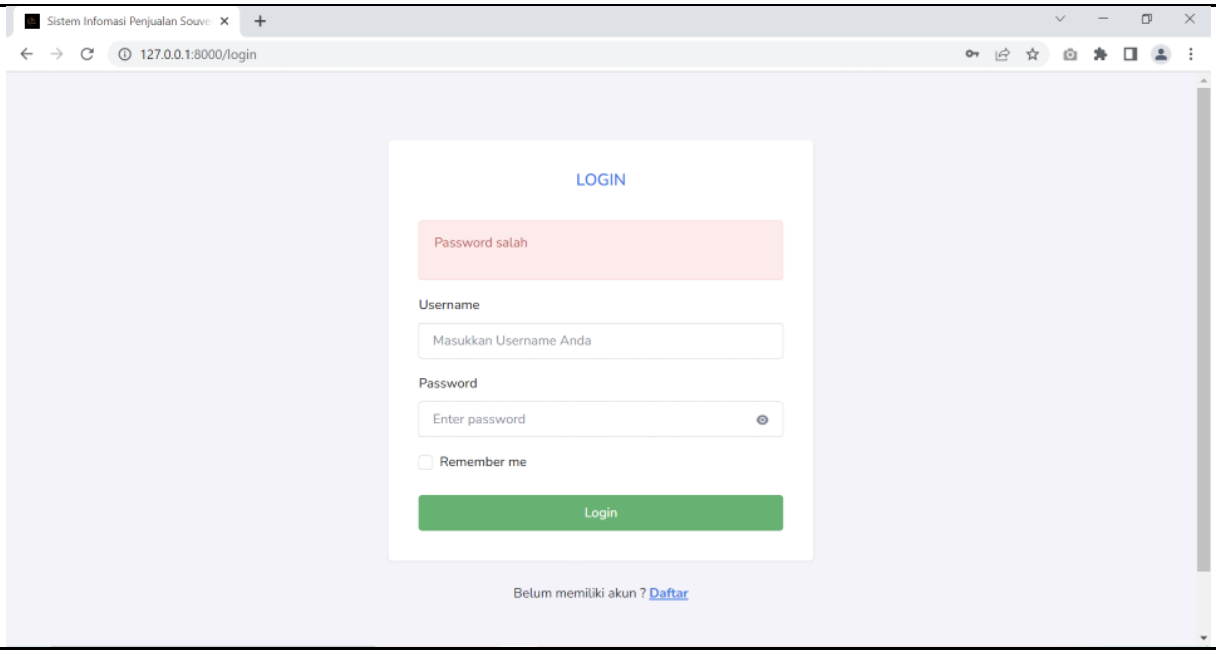
iv. The Console after Running

Finished after 0.052 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun20 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.001 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 21
username: akuncoba21
password: salahpassword

i. The test frame for every test case

```
# -- Akun 21
  Scenario: Test Login Akun21
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 21
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba21");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

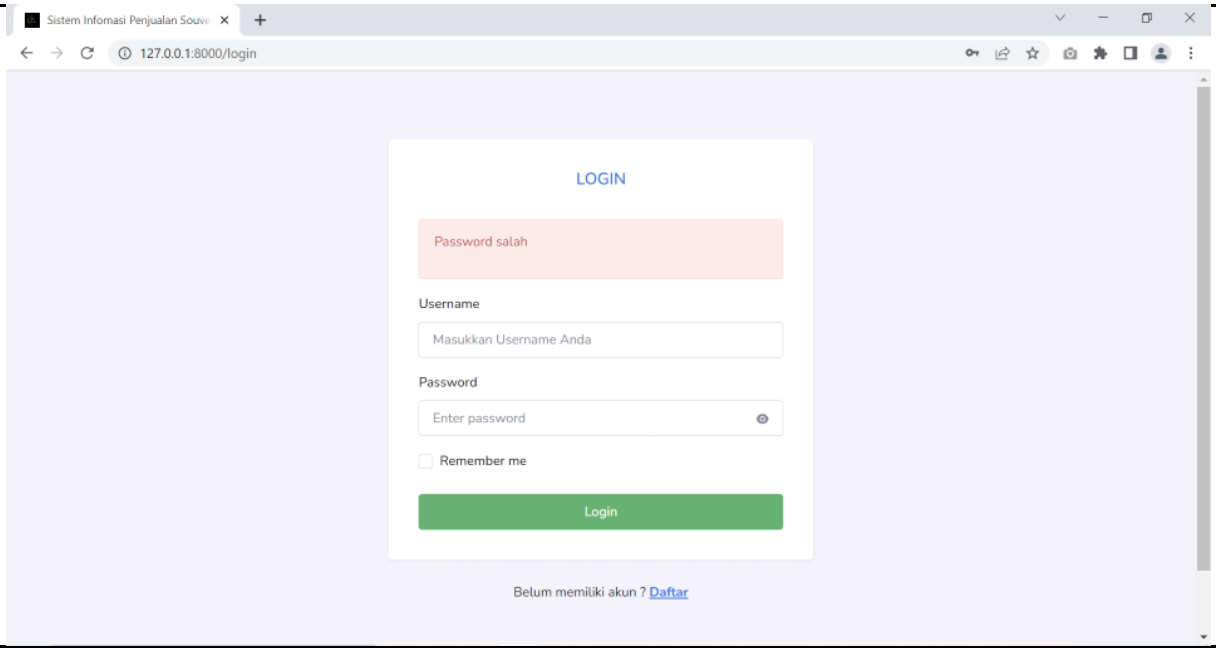
iv. The Console after Running

Finished after 0.056 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun21 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 22
  username: akuncoba22
  password: salahpassword

i.	The test frame for every test case

```
# -- Akun 22
  Scenario: Test Login Akun22
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii.	The step definition

```
//Akun 22
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba22");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

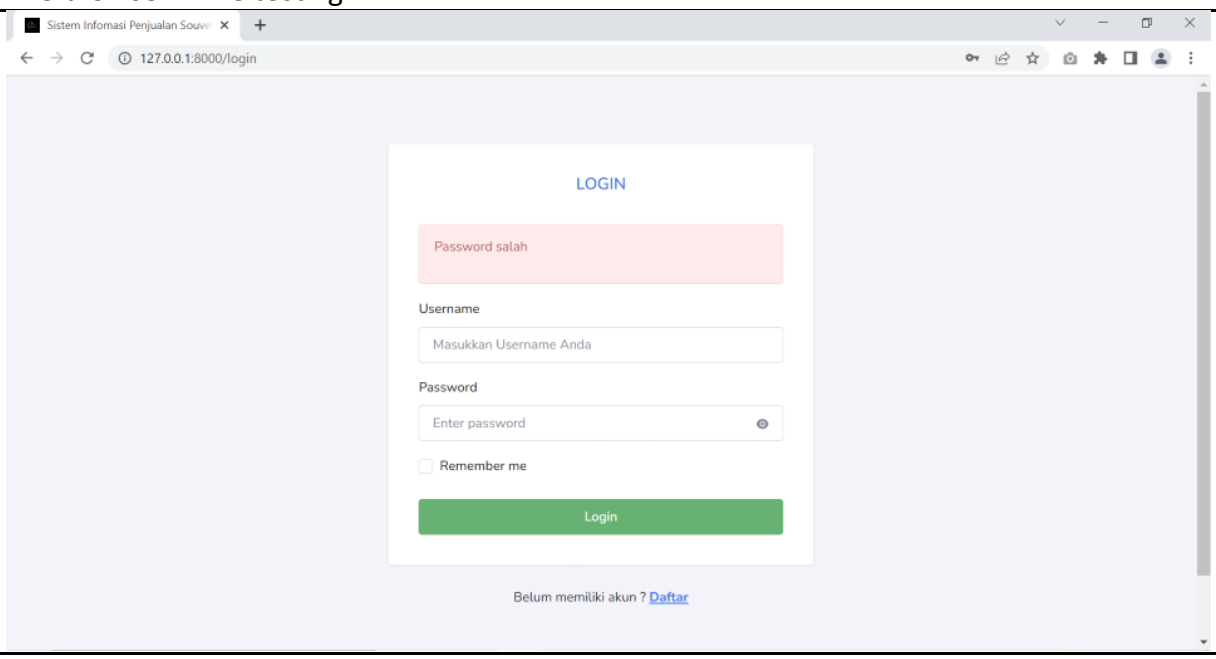
iv.	The Console after Running

Finished after 0.071 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun22 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 23
username: akuncoba23
password: salahpassword

i. The test frame for every test case

```
# -- Akun 23
  Scenario: Test Login Akun23
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 23
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba23");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

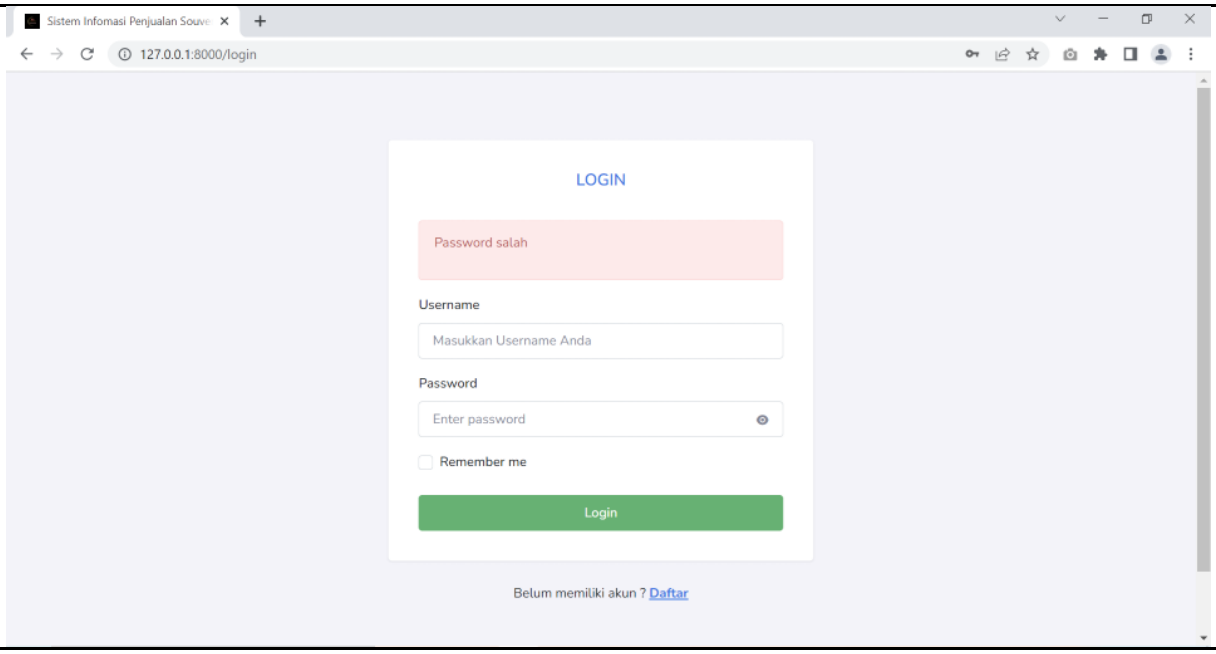
iv. The Console after Running

Finished after 0.064 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun23 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 24
username: akuncoba24
password: salahpassword

i. The test frame for every test case

```
# -- Akun 24
  Scenario: Test Login Akun24
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 24
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba24");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

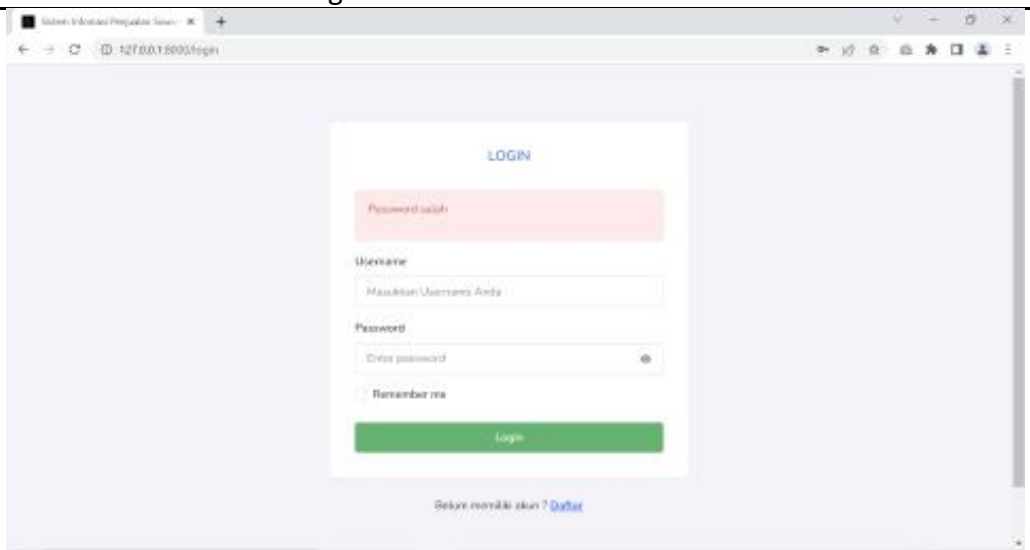
iv. The Console after Running

Finished after 0.06 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun24 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 25
  username: akuncoba25
  password: salahpassword

i.	The test frame for every test case

```
# -- Akun 25
  Scenario: Test Login Akun25
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter valid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 25
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter valid username and invalid password$")
public void I_enter_valid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba25");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("salahpassword");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

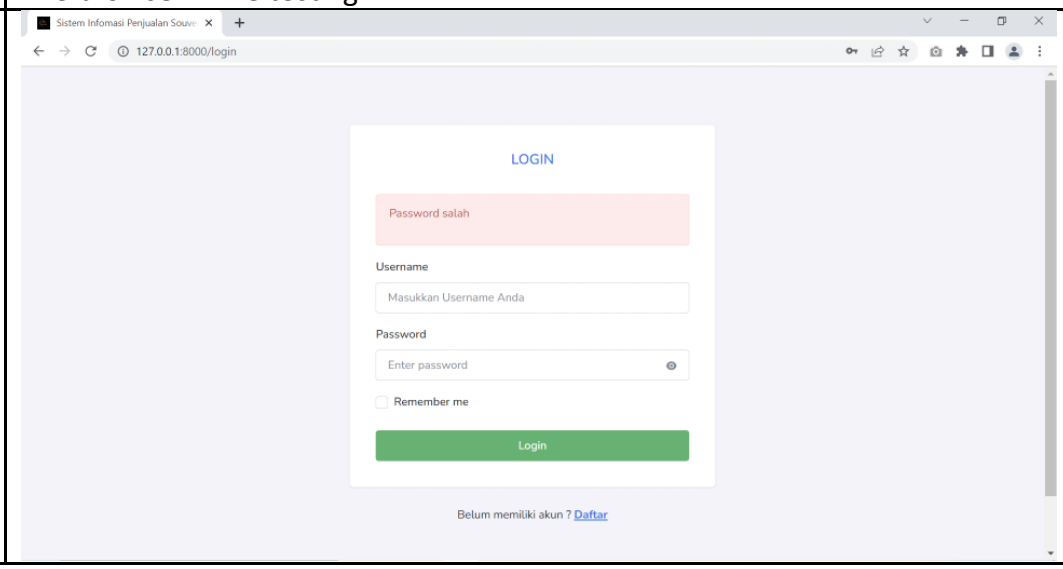
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

Finished after 0.078 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun25 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter valid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing
	

- Scenario 3: invalid username and valid password
  - ❖ Akun 1

    username: akuncoba01

    password: akuncoba1

i.	The test frame for every test case

```
365   # -- Akun 1
366     Scenario: Test Login Akun1
367         Given open chrome and http://127.0.0.1:8000 accessed
368         And I click Login button
369         When I enter invalid username and valid password
370         Then I cannot login to system
```

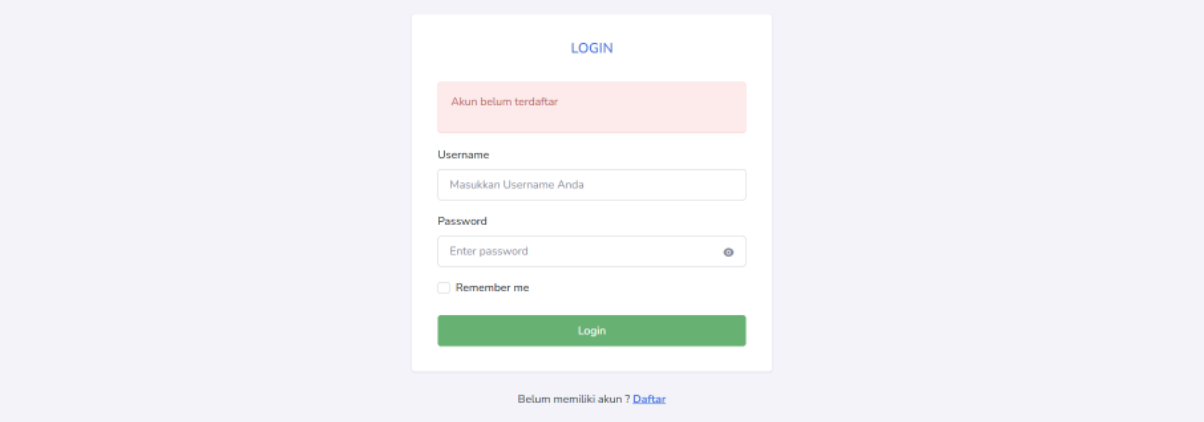
ii.	The step definition

```
1299 //-----------------------------------------------//
1300 //Scenario 3: invalid username and valid password
1301 //-----------------------------------------------//
1302
1303     //Akun 1
1304     public class Login {
1305     WebDriver wd;
1306
1307     public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
1308     System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
1309         WebDriver wd = new ChromeDriver();
1310         wd.get("http://127.0.0.1:8000");
1311     }
1312
1313     @Given("^I click Login button$")
1314     public void I_click_Login_button() throws Throwable {
1315         wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
1316     }
1317
1318     @When("^I enter invalid username and valid password$")
1319     public void I_enter_invalid_username_and_valid_password() throws Throwable {
1320         wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba01");
1321         wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba1");
1322     }
1323
1324     @Then("^I cannot login to system$")
1325     public void I_cannot_login_to_system() throws Throwable {
1326         wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
1327     }
```

iii.	The Test Runner

```
1  package runner;
2
3  import org.junit.runner.RunWith;
4  import cucumber.api.junit.Cucumber;
5
6  @RunWith(Cucumber.class)
7  @Cucumber.Options(features = "Features\\Login.feature")
8
9  public class LoginTestRunner {
10
11 }
```

iv.	The Console after Running

	Finished after 0.066 seconds Runs: 4/4 (5 skipped) Errors: 0 Failures: 0 runner.LoginTestRunner [Runner: JUnit 4] (0.001 s) Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s) Scenario: Test Login Akun1 (0.001 s) Given open chrome and http://127.0.0.1:8000 accessed (0.001 s) And I click Login button (0.000 s) When I enter invalid username and valid password (0.000 s) Then I cannot login to system (0.000 s)
v.	The browser while testing
	

❖ Akun 2
username: akuncoba02
password: akuncoba2

i.	The test frame for every test case

```
# -- Akun 2
  Scenario: Test Login Akun2
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii.	The step definition

```java
//Akun 2
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba02");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba2");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

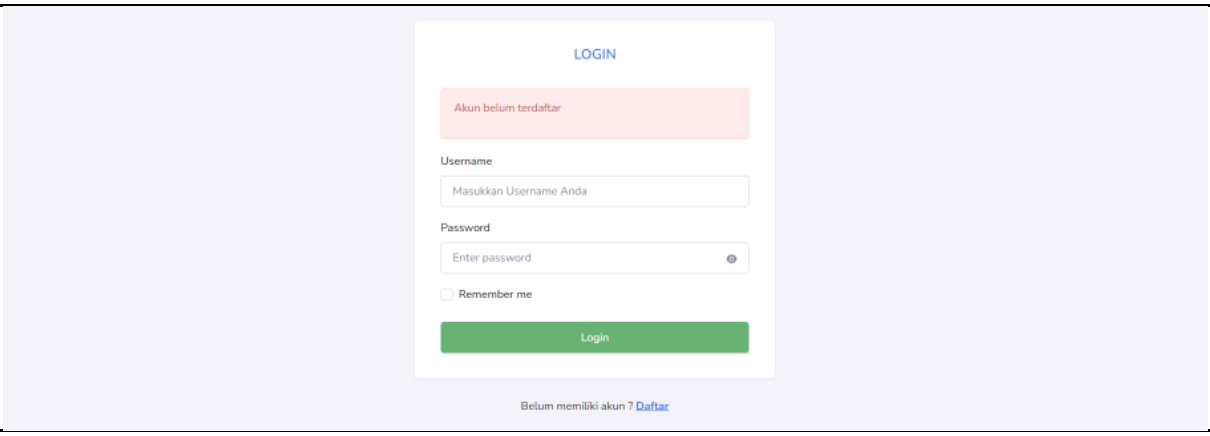
iv. The Console after Running

Finished after 0.062 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun2 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.001 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 3
username: akuncoba03
password: akuncoba3

i. The test frame for every test case

```
# -- Akun 3
  Scenario: Test Login Akun3
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 3
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba03");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba3");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

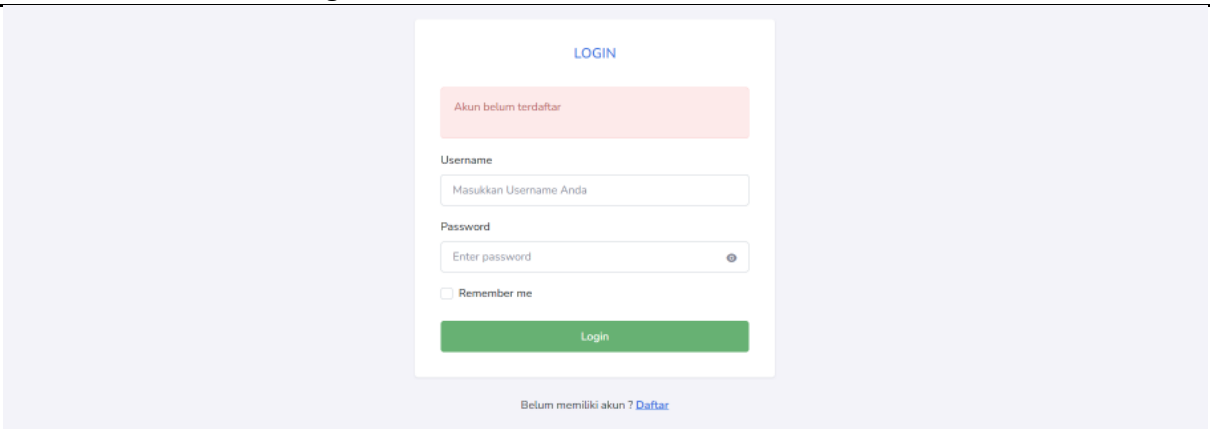
iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.049 seconds

Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    Scenario: Test Login Akun3 (0.000 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      And I click Login button (0.000 s)
      When I enter invalid username and valid password (0.000 s)
      Then I cannot login to system (0.000 s)
```

v. The browser while testing



- Akun 4
  username: akuncoba04

password: akuncoba4

i. The test frame for every test case

```
# -- Akun 4
  Scenario: Test Login Akun4
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 4
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba04");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba4");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

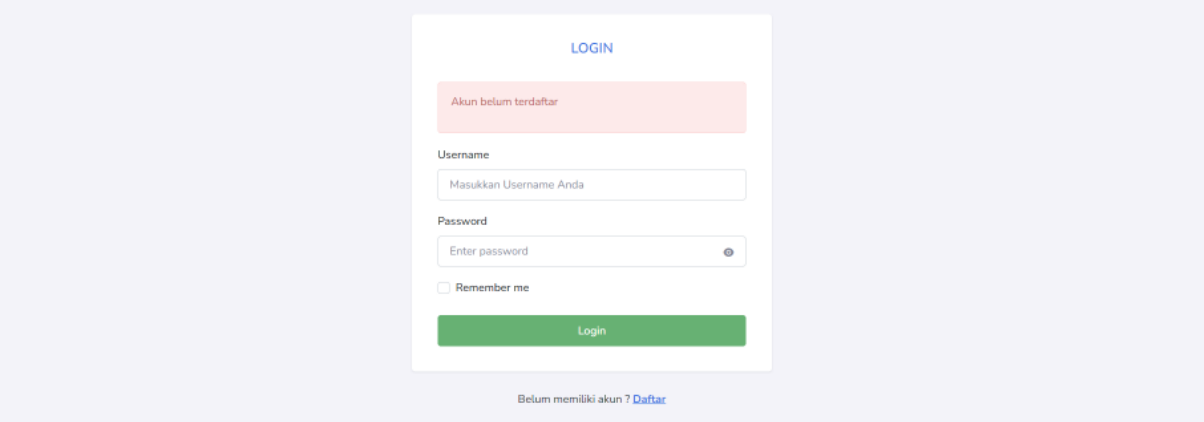
iv. The Console after Running

Finished after 0.135 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Login Akun4 (0.000 s)
    - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
    - And I click Login button (0.000 s)
    - When I enter invalid username and valid password (0.000 s)
    - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 5
username: akuncoba05
password: akuncoba5

i. The test frame for every test case

```
# -- Akun 5
  Scenario: Test Login Akun5
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 5
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba05");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba5");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

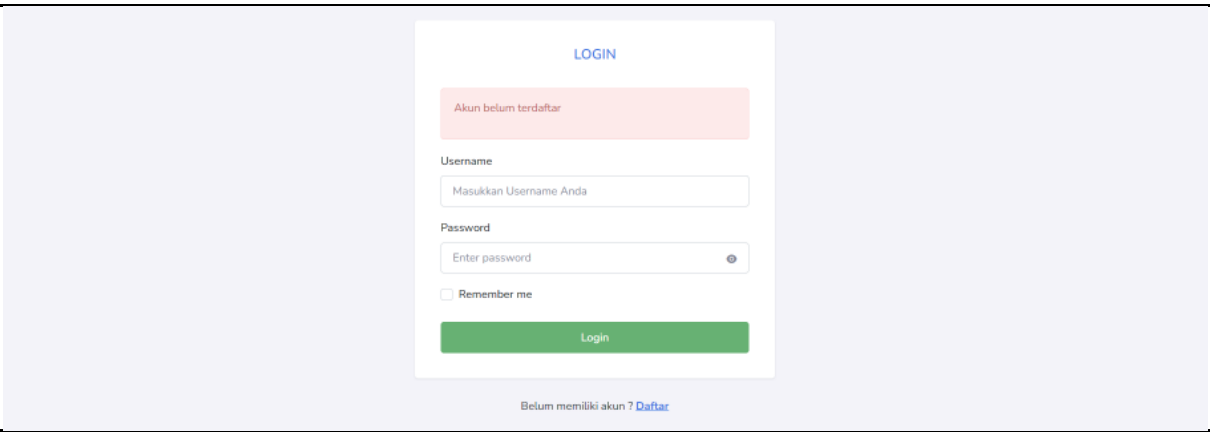
iv. The Console after Running

Finished after 0.07 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun5 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 6
username: akuncoba06
password: akuncoba6

i. The test frame for every test case

```
# -- Akun 6
  Scenario: Test Login Akun6
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 6
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba06");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba6");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

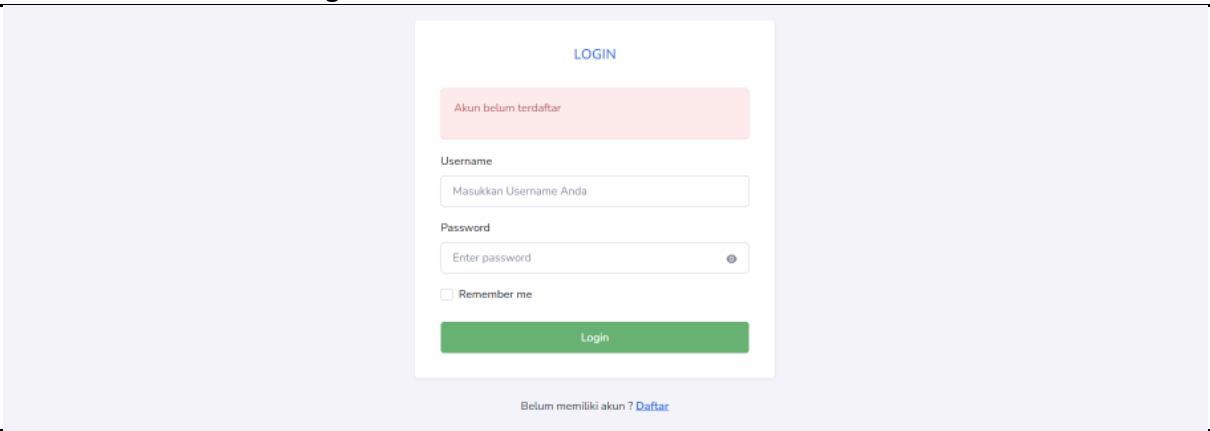
iv. The Console after Running

Finished after 0.071 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Login Akun6 (0.000 s)
    - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
    - And I click Login button (0.000 s)
    - When I enter invalid username and valid password (0.000 s)
    - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 7
  username: akuncoba07
  password: akuncoba7

i. The test frame for every test case

```
# -- Akun 7
  Scenario: Test Login Akun7
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 7
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba07");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba7");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

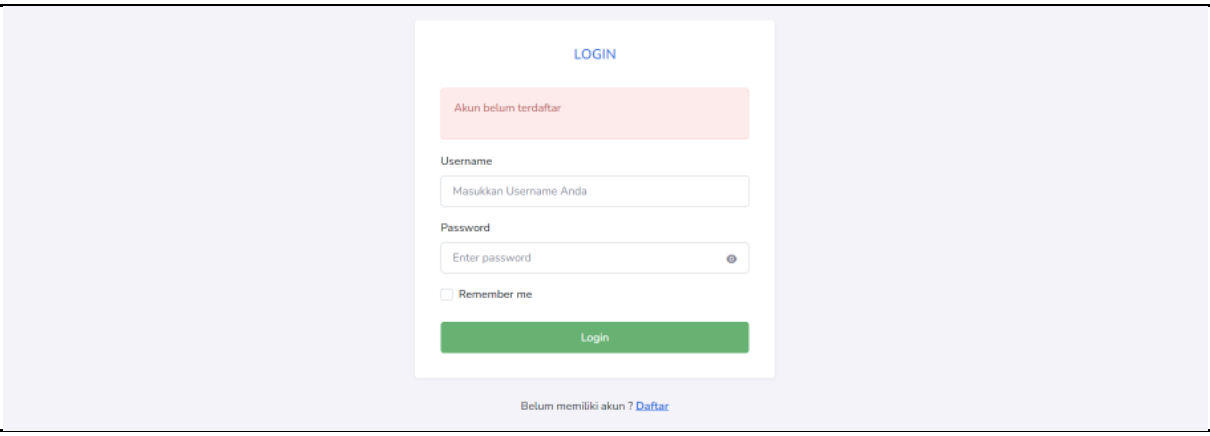
iv. The Console after Running

Finished after 0.066 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun7 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 8
username: akuncoba08
password: akuncoba8

i. The test frame for every test case

```
# -- Akun 8
  Scenario: Test Login Akun8
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 8
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba08");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba8");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

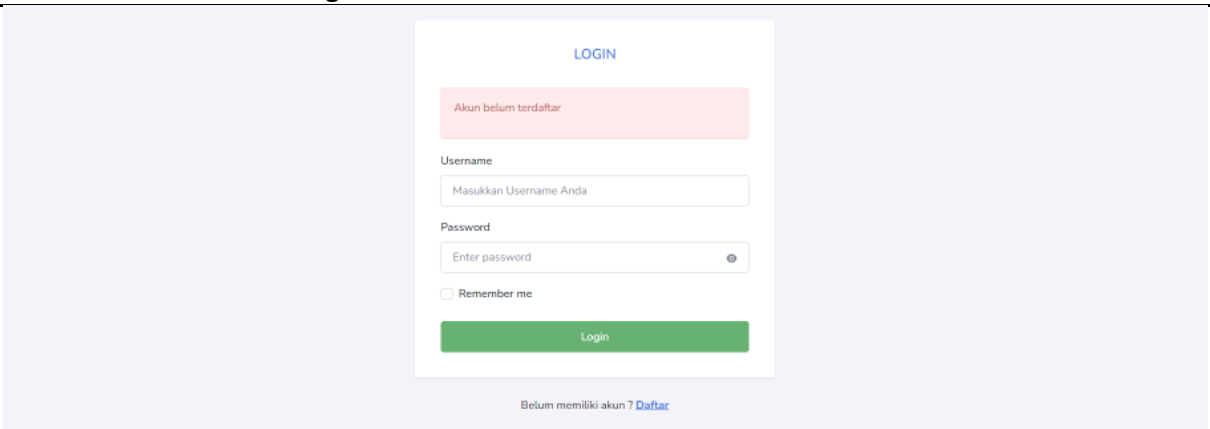
iv. The Console after Running

Finished after 0.048 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun8 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.001 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 9
username: akuncoba09
password: akuncoba9

i. The test frame for every test case

```
# -- Akun 9
  Scenario: Test Login Akun9
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 9
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba09");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba9");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

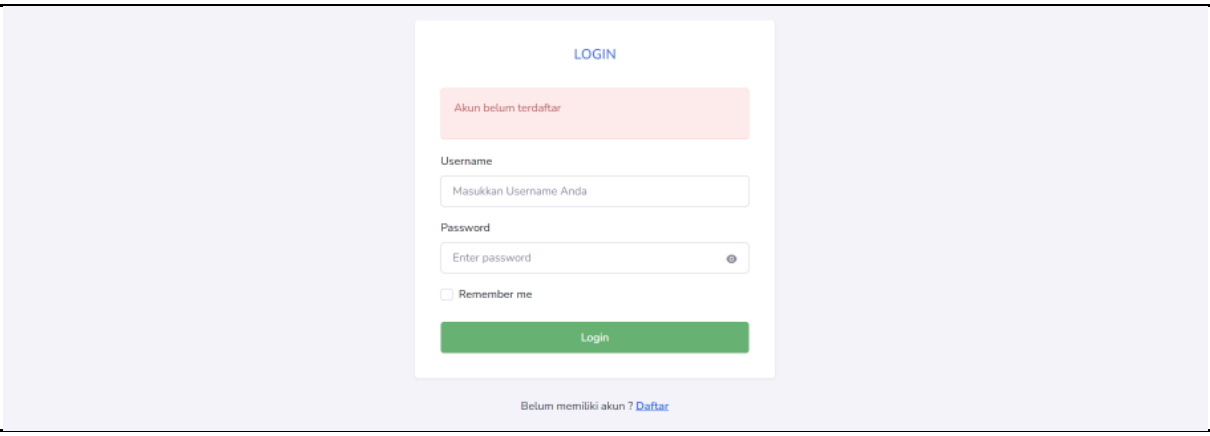
iv. The Console after Running

Finished after 0.053 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun9 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 10
username: akuncoba010
password: akuncoba10

i. The test frame for every test case

```
# -- Akun 10
  Scenario: Test Login Akun10
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 10
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba010");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba10");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

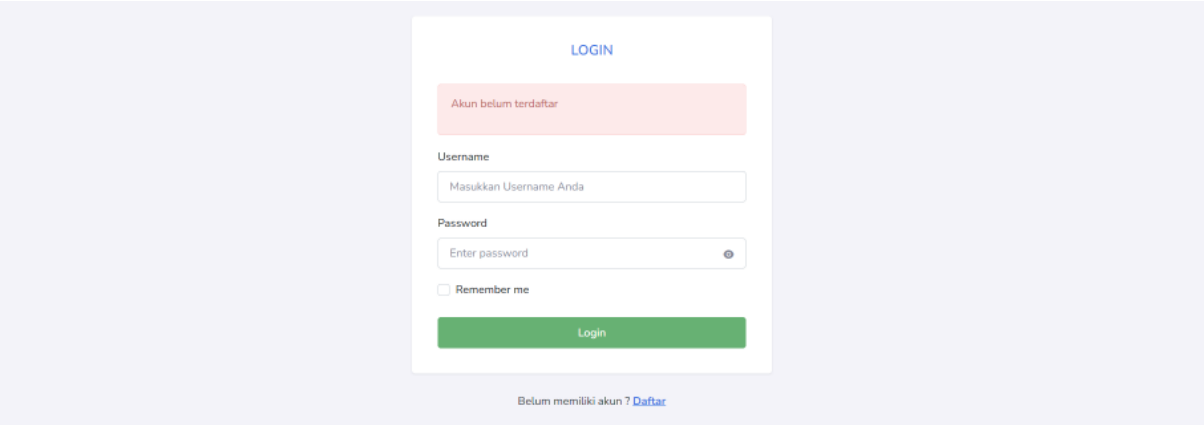
iv. The Console after Running

Finished after 0.072 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun10 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 11
  username: akuncoba011
  password: akuncoba11

i. The test frame for every test case

```
# -- Akun 11
  Scenario: Test Login Akun11
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 11
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba011");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba11");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

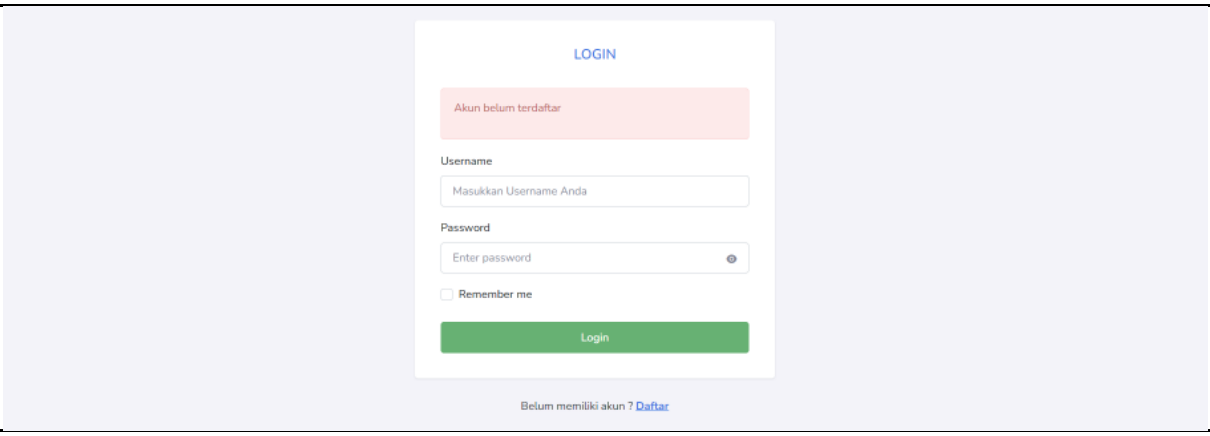
iv. The Console after Running

Finished after 0.081 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun11 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 12
username: akuncoba012
password: akuncoba12

i. The test frame for every test case

```
# -- Akun 12
  Scenario: Test Login Akun12
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 12
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba012");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba12");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

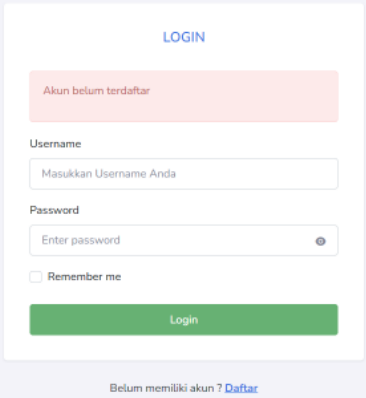
iv. The Console after Running

Finished after 0.051 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun12 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 13
  username: akuncoba013
  password: akuncoba13

i. The test frame for every test case

```
# -- Akun 13
  Scenario: Test Login Akun13
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 13
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba013");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba13");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

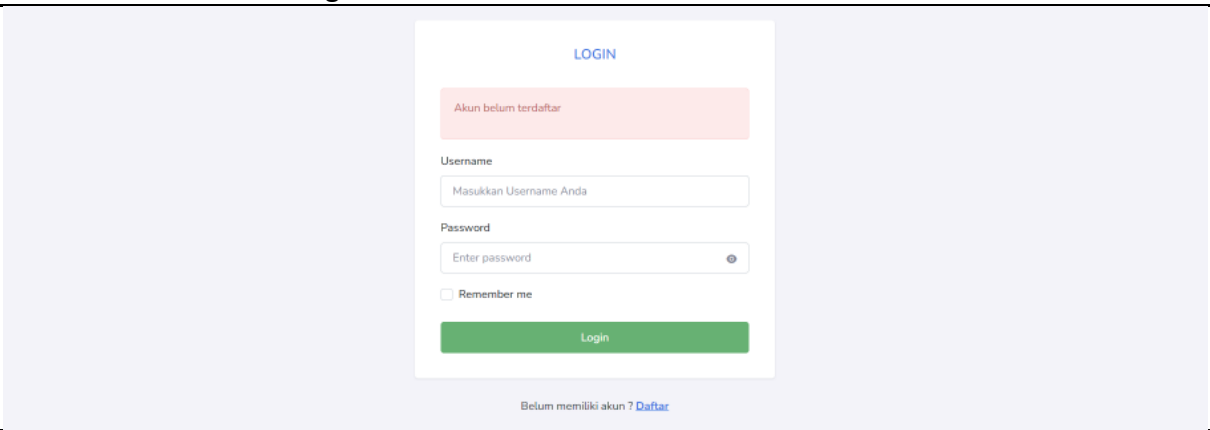
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

Finished after 0.145 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.005 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.005 s)
    - Scenario: Test Login Akun13 (0.005 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.002 s)
      - Then I cannot login to system (0.001 s)

v.	The browser while testing
	

- Akun 14
  username: akuncoba014
  password: akuncoba14

i.	The test frame for every test case

```
# -- Akun 14
  Scenario: Test Login Akun14
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii.	The step definition

```java
//Akun 14
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba014");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba14");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

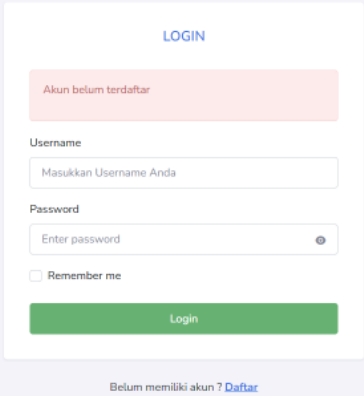
iv. The Console after Running

Finished after 0.171 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun14 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.001 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 15
  username: akuncoba015
  password: akuncoba15

i. The test frame for every test case

```
# -- Akun 15
  Scenario: Test Login Akun15
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 15
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba015");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba15");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

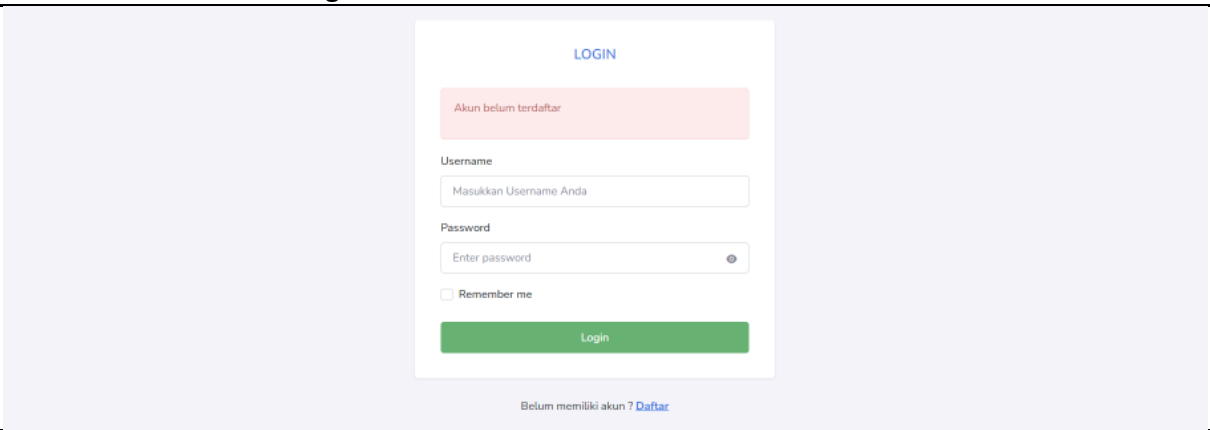
iv. The Console after Running

Finished after 0.097 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.004 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.004 s)
    - Scenario: Test Login Akun15 (0.004 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.001 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.001 s)

v.	The browser while testing



- Akun 16
  username: akuncoba016
  password: akuncoba16

i.	The test frame for every test case

```
470   # -- Akun 16
471     Scenario: Test Login Akun16
472         Given open chrome and http://127.0.0.1:8000 accessed
473         And I click Login button
474         When I enter invalid username and valid password
475         Then I cannot login to system
```

ii.	The step definition

```
1703    //Akun 16
1704    public class Login {
1705    WebDriver wd;
1706
1707    public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
1708    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
1709        WebDriver wd = new ChromeDriver();
1710        wd.get("http://127.0.0.1:8000");
1711    }
1712
1713    @Given("^I click Login button$")
1714    public void I_click_Login_button() throws Throwable {
1715        wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
1716    }
1717
1718    @When("^I enter invalid username and valid password$")
1719    public void I_enter_invalid_username_and_valid_password() throws Throwable {
1720        wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba016");
1721        wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba16");
1722    }
1723
1724    @Then("^I cannot login to system$")
1725    public void I_cannot_login_to_system() throws Throwable {
1726        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
1727    }
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

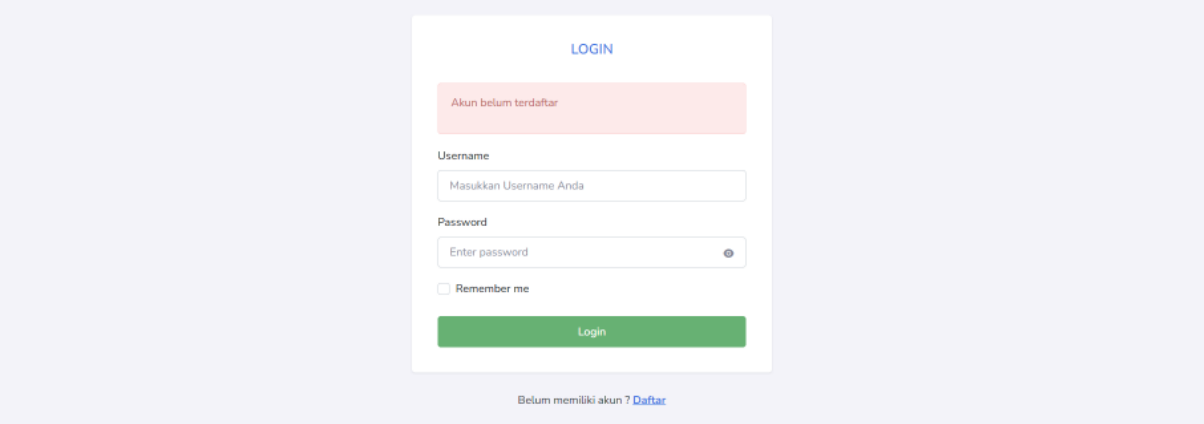
iv. The Console after Running

Finished after 0.052 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun16 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 17
  username: akuncoba017
  password: akuncoba17

i. The test frame for every test case

```
# -- Akun 17
  Scenario: Test Login Akun17
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 17
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba017");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba17");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

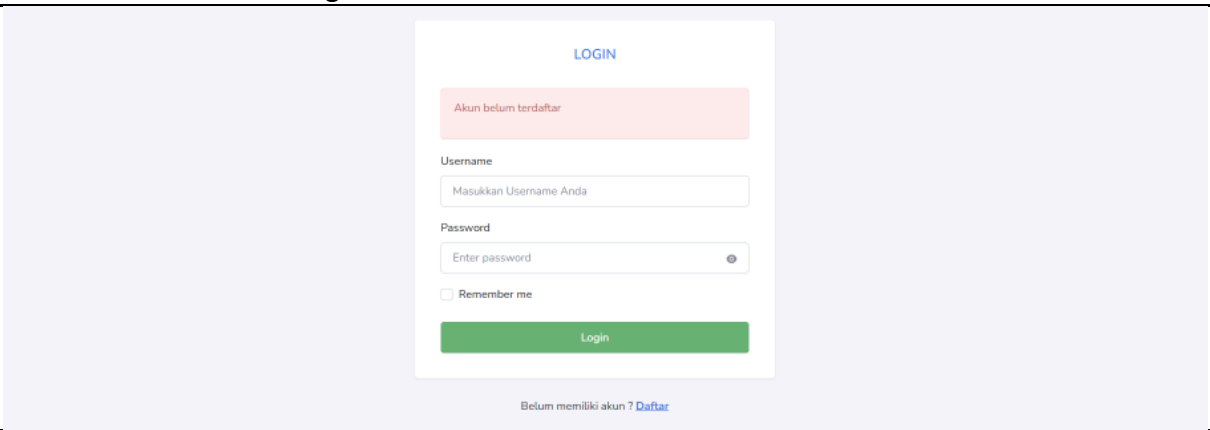
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

Finished after 0.054 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun17 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing
	

❖ Akun 18
username: akuncoba018
password: akuncoba18

i.	The test frame for every test case

```
# -- Akun 18
  Scenario: Test Login Akun18
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 18
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba018");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba18");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

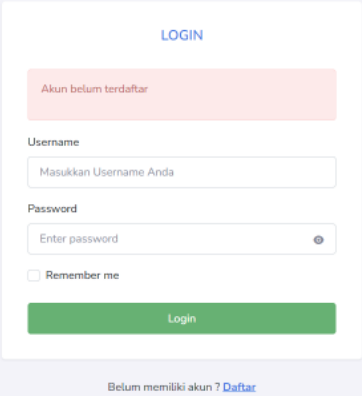
iv. The Console after Running

Finished after 0.06 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun18 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 19
  username: akuncoba019
  password: akuncoba19

i. The test frame for every test case

```
# -- Akun 19
  Scenario: Test Login Akun19
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 19
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba019");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba19");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

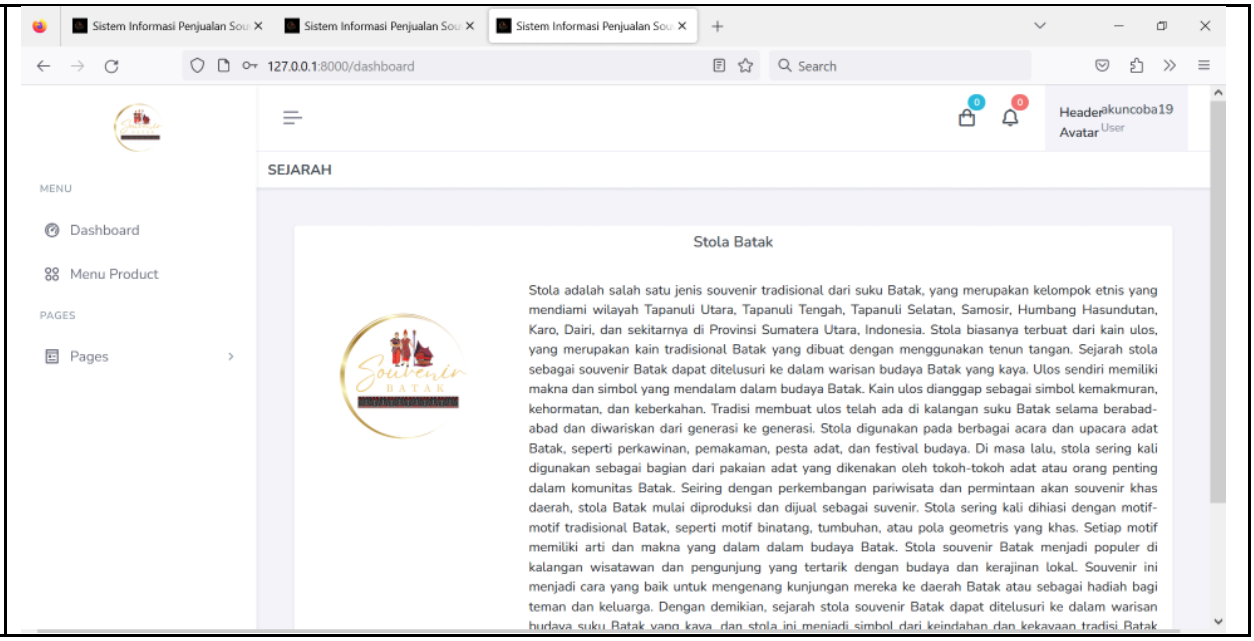
iv. The Console after Running

Finished after 0.138 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.012 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.012 s)
    - Scenario: Test Login Akun19 (0.012 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.007 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.001 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 20
username: akuncoba020
password: akuncoba20

i. The test frame for every test case

```
# -- Akun 20
  Scenario: Test Login Akun20
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 20
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba020");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba20");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

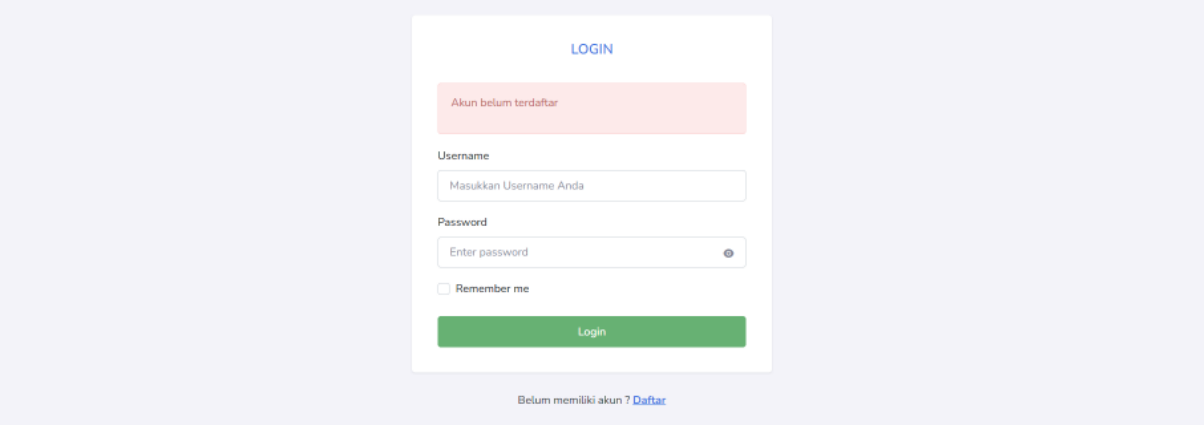
iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.044 seconds

Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    Scenario: Test Login Akun20 (0.000 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      And I click Login button (0.000 s)
      When I enter invalid username and valid password (0.000 s)
      Then I cannot login to system (0.000 s)
```

v. The browser while testing



- Akun 21
  username: akuncoba021
  password: akuncoba21

i. The test frame for every test case

```
# -- Akun 21
  Scenario: Test Login Akun21
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 21
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba021");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba21");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

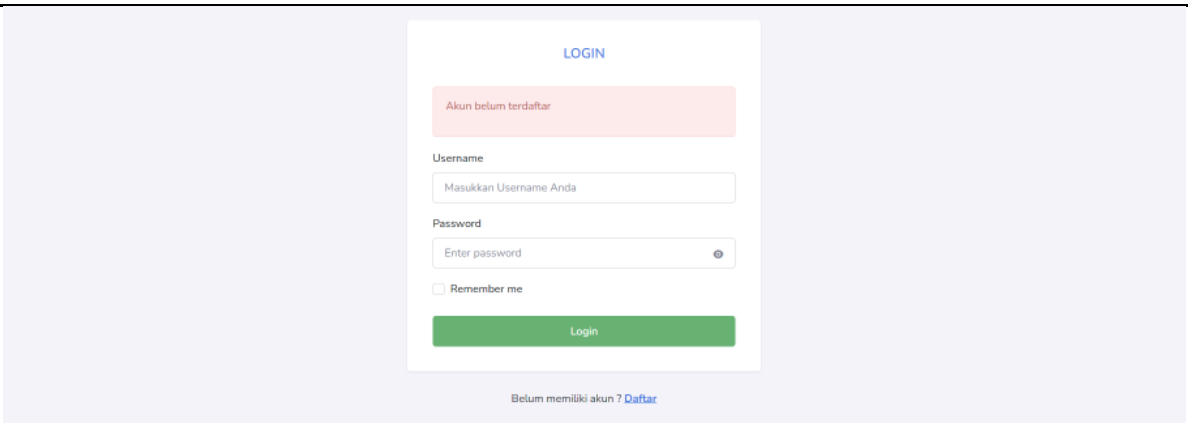
iv. The Console after Running

Finished after 0.051 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun21 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 22
username: akuncoba022
password: akuncoba22

i. The test frame for every test case

```
# -- Akun 22
  Scenario: Test Login Akun22
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 22
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba022");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba22");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

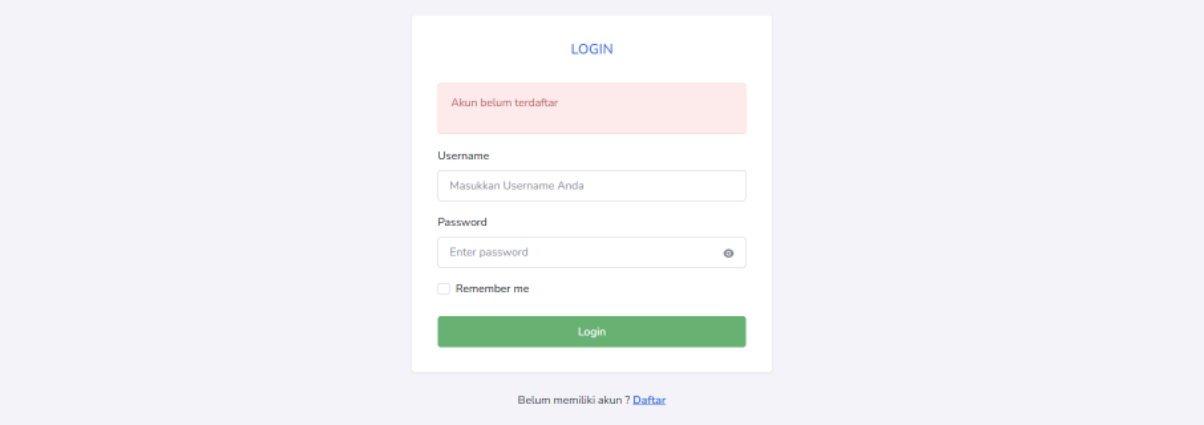
iv. The Console after Running

Finished after 0.061 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun22 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.001 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



- Akun 23
  username: akuncoba023
  password: akuncoba23

i. The test frame for every test case

```
# -- Akun 23
  Scenario: Test Login Akun23
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 23
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba023");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba23");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

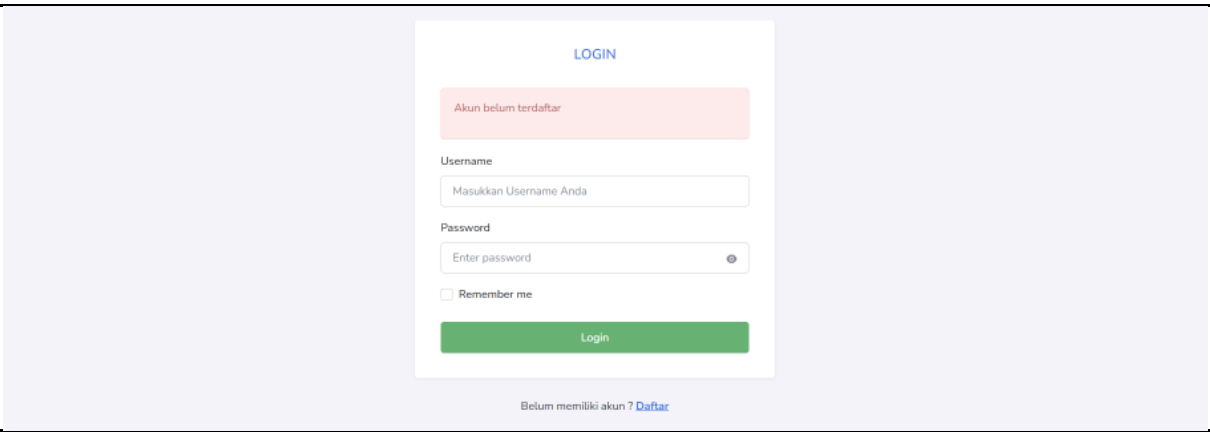
iv. The Console after Running

Finished after 0.063 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun23 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 24
username: akuncoba024
password: akuncoba24

i. The test frame for every test case

```
# -- Akun 24
  Scenario: Test Login Akun24
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```
//Akun 24
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba024");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba24");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

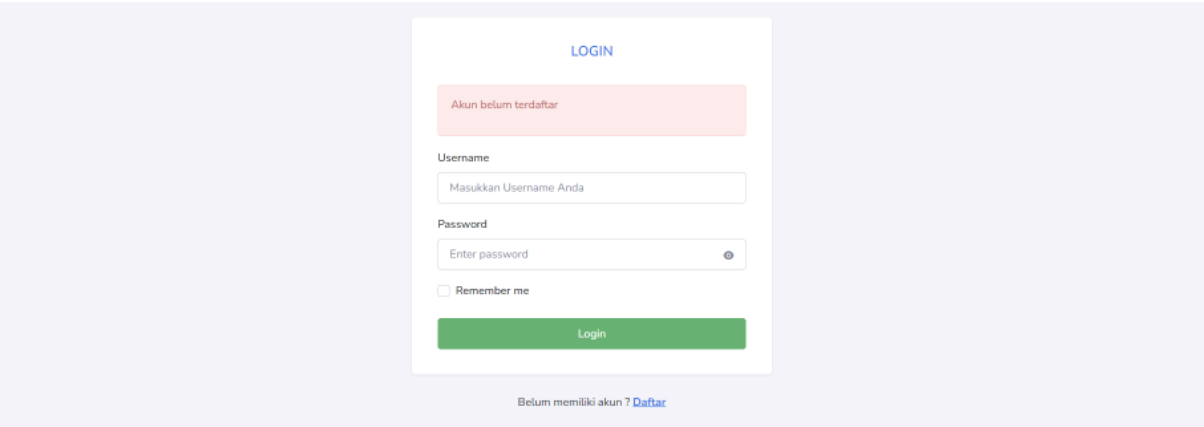
iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.055 seconds
Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    Scenario: Test Login Akun24 (0.000 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      And I click Login button (0.000 s)
      When I enter invalid username and valid password (0.000 s)
      Then I cannot login to system (0.000 s)
```

v. The browser while testing



- Akun 25
  username: akuncoba025
  password: akuncoba25

i. The test frame for every test case

```
# -- Akun 25
  Scenario: Test Login Akun25
      Given open chrome and http://127.0.0.1:8000 accessed
      And I click Login button
      When I enter invalid username and valid password
      Then I cannot login to system
```

ii. The step definition

```java
//Akun 25
public class Login {
WebDriver wd;

public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@Given("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and valid password$")
public void I_enter_invalid_username_and_valid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba025");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba25");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
}
```

iii. The Test Runner

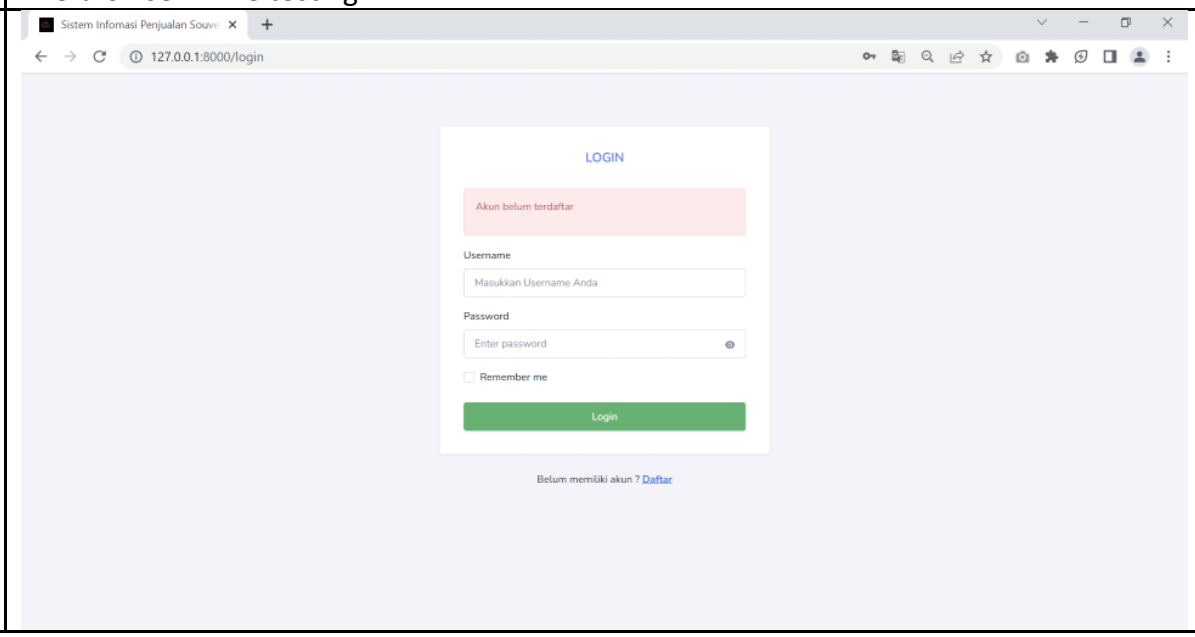
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

Finished after 0.057 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun25 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - And I click Login button (0.000 s)
      - When I enter invalid username and valid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing
	

- Scenario 4: invalid username and invalid password
  - ❖ Akun 1

    username: akuncoba01

    password: akuncoba01

i. The test frame for every test case

```
# -- Akun 1
  Scenario: Test Login Akun1
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

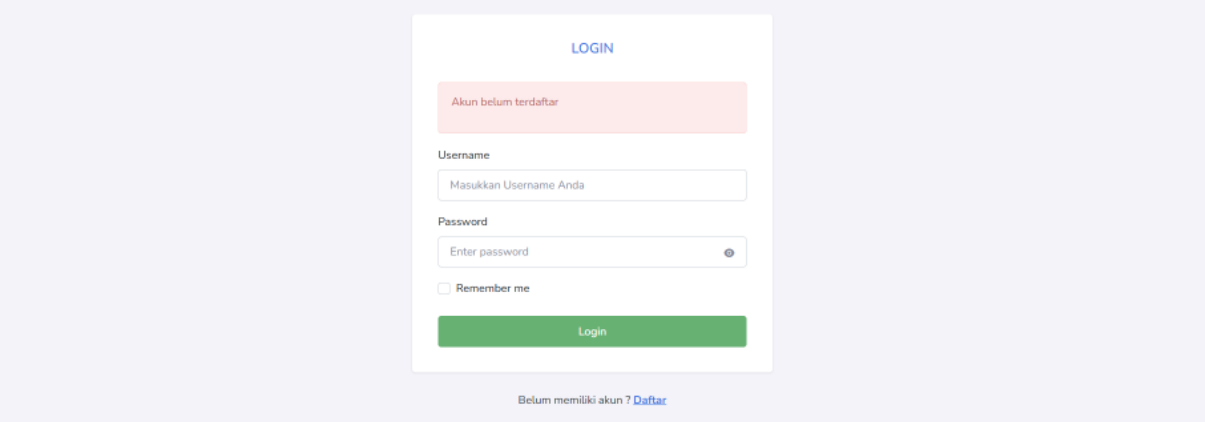
ii. The step definition

```
//-----------------------------------------------//
//Scenario 4: invalid username and invalid password
//-----------------------------------------------//

// Akun 1
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba01");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba01");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

	Finished after 0.036 seconds Runs: 4/4 (5 skipped) Errors: 0 Failures: 0 runner.LoginTestRunner [Runner: JUnit 4] (0.000 s) Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s) Scenario: Test Login Akun1 (0.000 s) Given open chrome and http://127.0.0.1:8000 accessed (0.000 s) When I click Login button (0.000 s) When I enter invalid username and invalid password (0.000 s) Then I cannot login to system (0.000 s)
v.	The browser while testing
	

❖ Akun 2
username: akuncoba02
password: akuncoba02

i.	The test frame for every test case

	`# -- Akun 2`
	`  Scenario: Test Login Akun2`
	`  Given open chrome and http://127.0.0.1:8000 accessed`
	`  When I click Login button`
	`  When I enter invalid username and invalid password`
	`  Then I cannot login to system`

ii.	The step definition

```java
// Akun 2
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba02");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba02");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

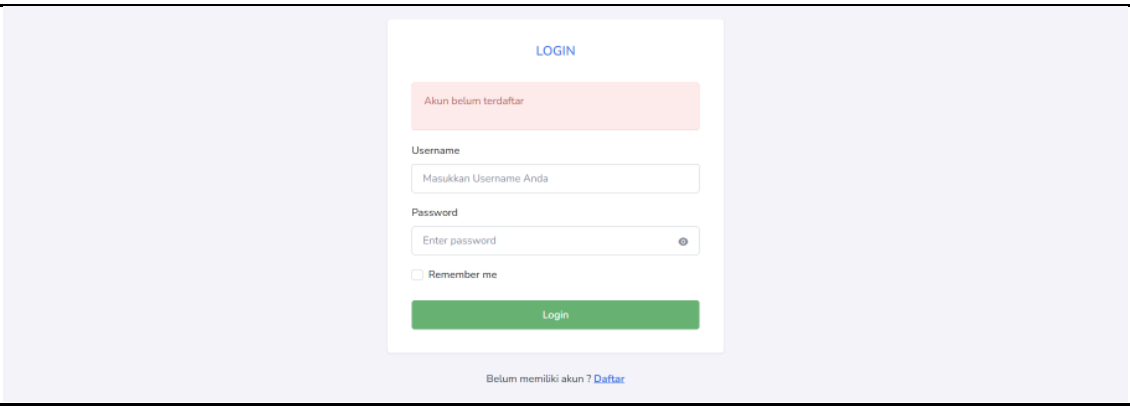
iv. The Console after Running

Finished after 0.037 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun2 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 3
username: akuncoba03
password: akuncoba03

i. The test frame for every test case

```
# -- Akun 3
  Scenario: Test Login Akun3
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
// Akun 3
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba03");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba03");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

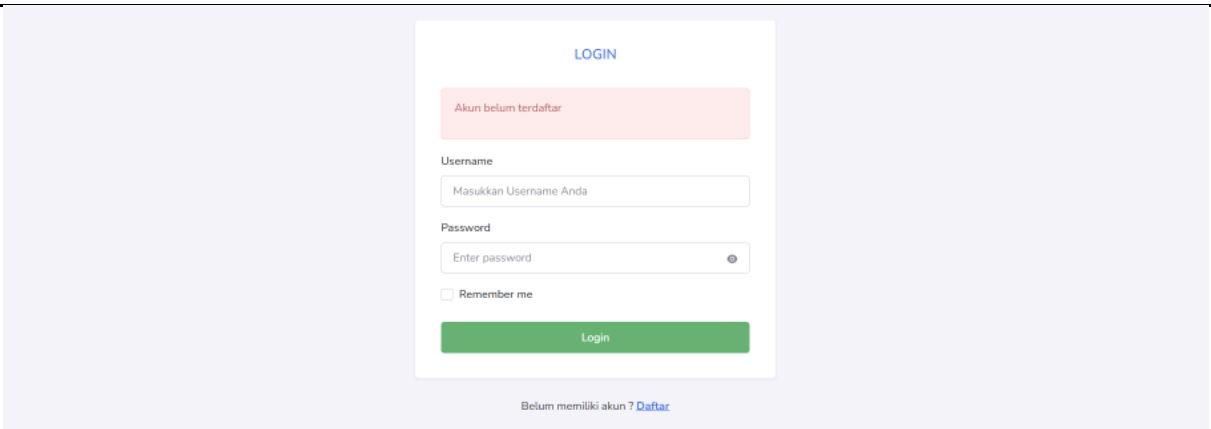
iv. The Console after Running

Finished after 0.05 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun3 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.001 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 4
username: akuncoba04
password: akuncoba04

i. The test frame for every test case

```
# -- Akun 4
  Scenario: Test Login Akun4
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
// Akun 4
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba04");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba04");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

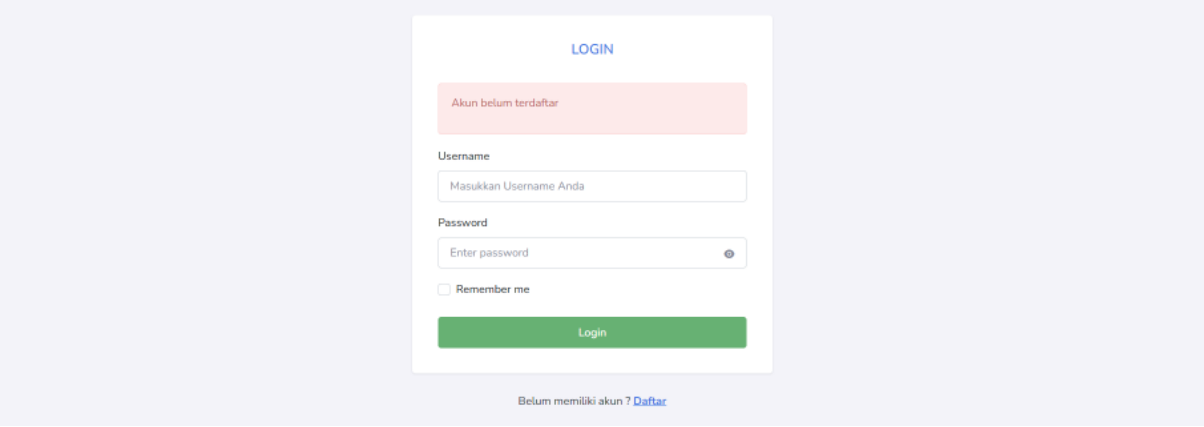
iv. The Console after Running

Finished after 0.036 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun4 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing



❖ Akun 5
username: akuncoba05
password: akuncoba05

i.	The test frame for every test case

```
# -- Akun 5
  Scenario: Test Login Akun5
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii.	The step definition

```
// Akun 5
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba05");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba05");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

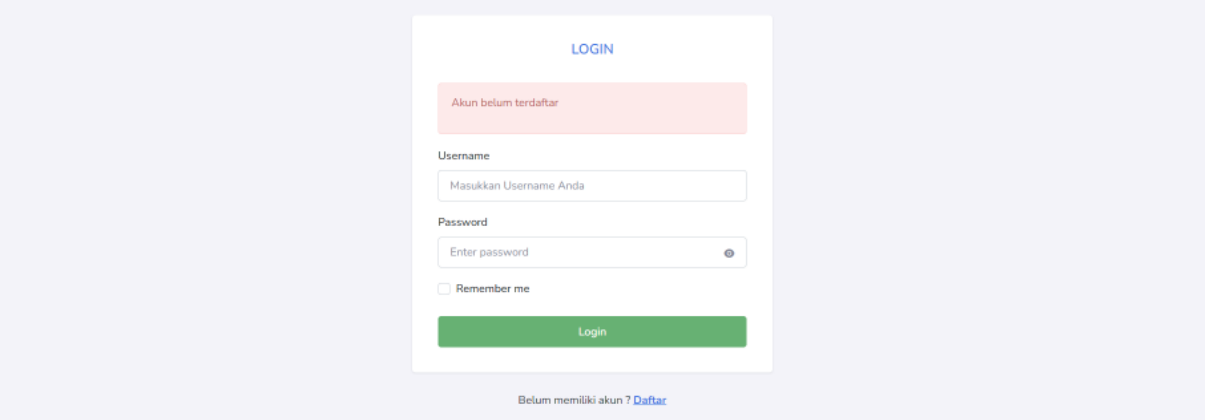
iv. The Console after Running

Finished after 0.027 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun5 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 6
username: akuncoba06
password: akuncoba06

i. The test frame for every test case

```
# -- Akun 6
  Scenario: Test Login Akun6
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
// Akun 6
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba06");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba06");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

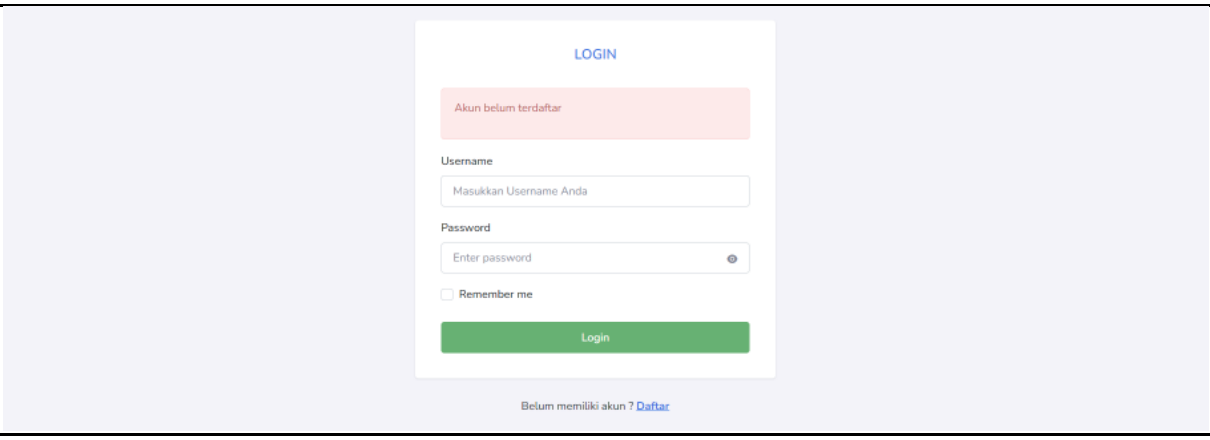
iv. The Console after Running

Finished after 0.035 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun6 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 7
username: akuncoba07
password: akuncoba07

i. The test frame for every test case

```
# -- Akun 7
  Scenario: Test Login Akun7
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
// Akun 7
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba07");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba07");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

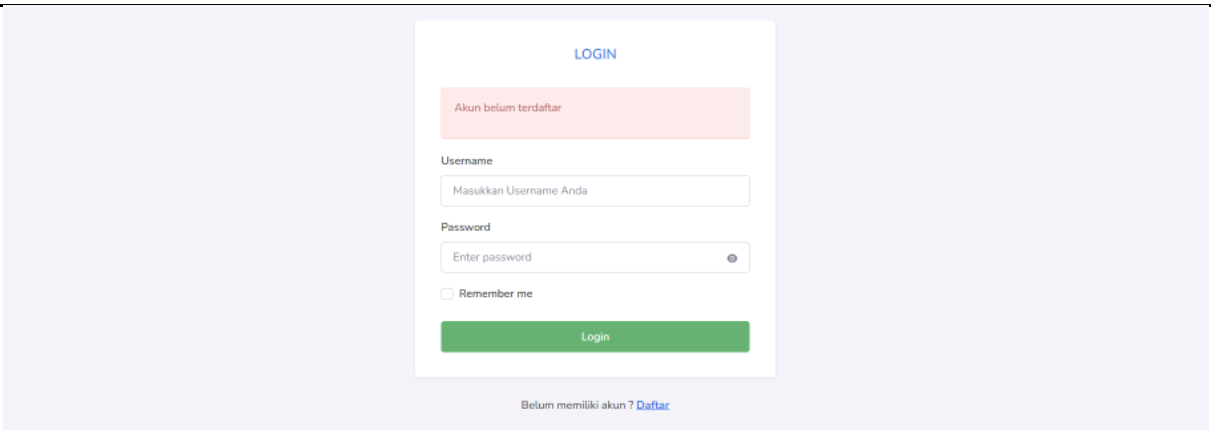
iv. The Console after Running

Finished after 0.218 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun7 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 8
username: akuncoba08
password: akuncoba08

i. The test frame for every test case

```
# -- Akun 8
  Scenario: Test Login Akun8
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 8
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba08");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba08");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

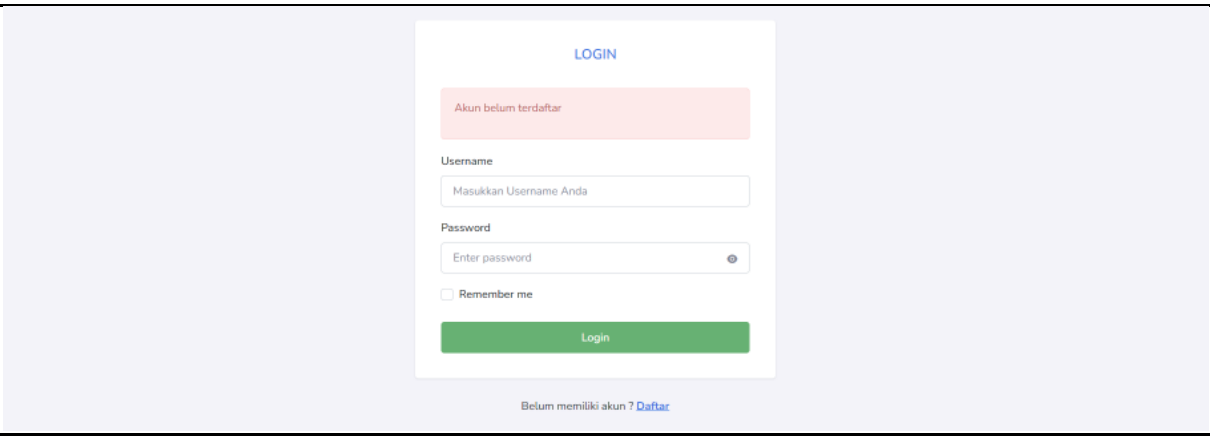
iv. The Console after Running

Finished after 0.061 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun8 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.001 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 9
username: akuncoba09
password: akuncoba09

i. The test frame for every test case

```
# -- Akun 9
  Scenario: Test Login Akun9
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 9
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba09");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba09");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

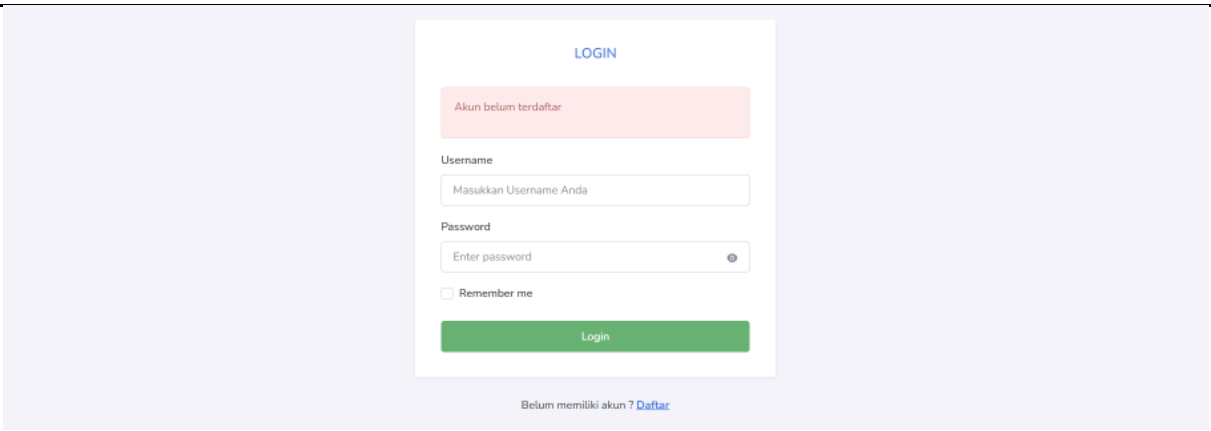
iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.024 seconds
Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    Scenario: Test Login Akun9 (0.000 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      When I click Login button (0.000 s)
      When I enter invalid username and invalid password (0.000 s)
      Then I cannot login to system (0.000 s)
```

v. The browser while testing



- Akun 10
  username: akuncoba010
  password: akuncoba010

i. The test frame for every test case

```
# -- Akun 10
  Scenario: Test Login Akun10
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 10
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba010");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba010");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

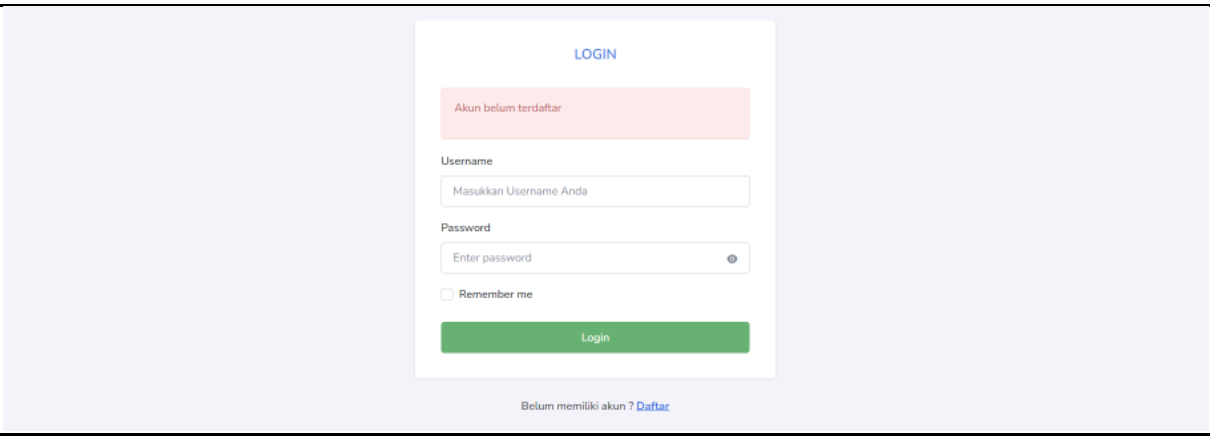
iv. The Console after Running

Finished after 0.03 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun10 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 11
username: akuncoba011
password: akuncoba011

i. The test frame for every test case

```
# -- Akun 11
  Scenario: Test Login Akun11
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 11
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba011");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba011");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

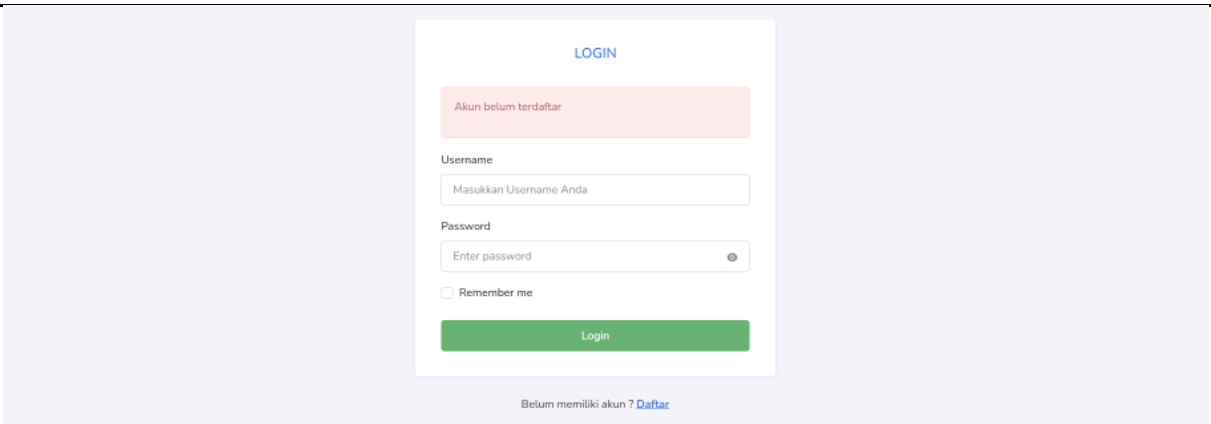
iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.066 seconds
Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    Scenario: Test Login Akun11 (0.001 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      When I click Login button (0.000 s)
      When I enter invalid username and invalid password (0.001 s)
      Then I cannot login to system (0.000 s)
```

v. The browser while testing



- Akun 12
  username: akuncoba012
  password: akuncoba012

i. The test frame for every test case

```
# -- Akun 12
  Scenario: Test Login Akun12
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 12
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba012");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba012");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

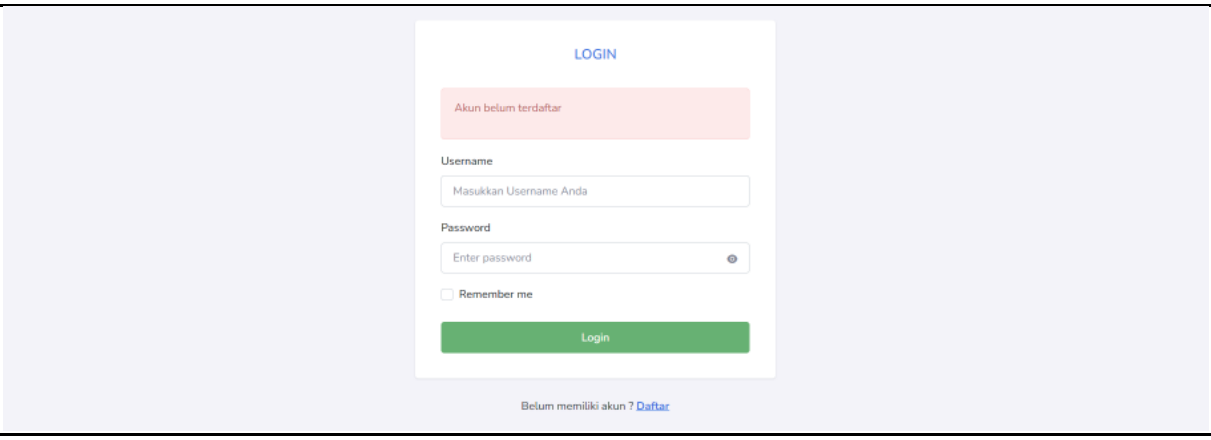
iv. The Console after Running

Finished after 0.049 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun12 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.001 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 13
username: akuncoba013
password: akuncoba013

i. The test frame for every test case

```
# -- Akun 13
  Scenario: Test Login Akun13
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 13
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba013");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba013");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

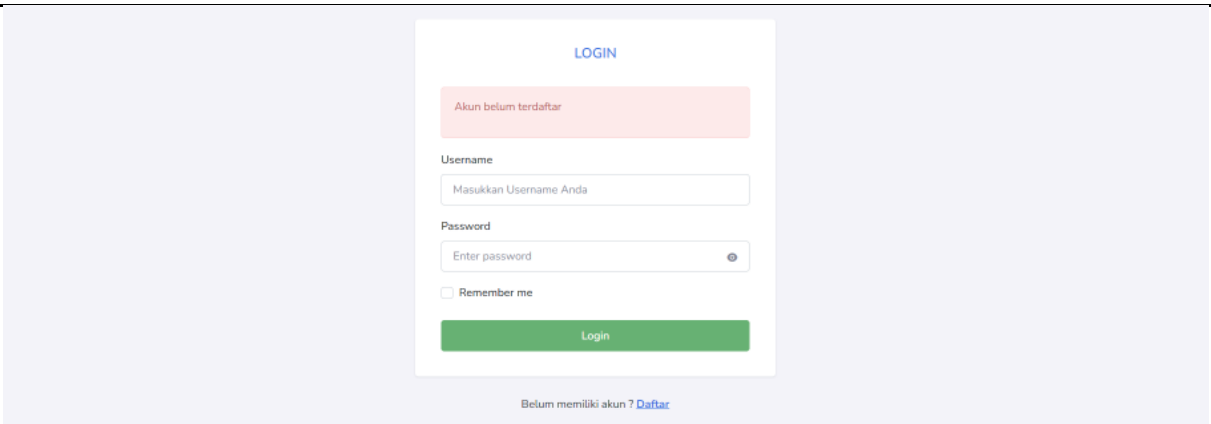
iv. The Console after Running

Finished after 0.035 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun13 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.001 s)

v. The browser while testing



❖ Akun 14
username: akuncoba014
password: akuncoba014

i. The test frame for every test case

```
# -- Akun 14
  Scenario: Test Login Akun14
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 14
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba014");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba014");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

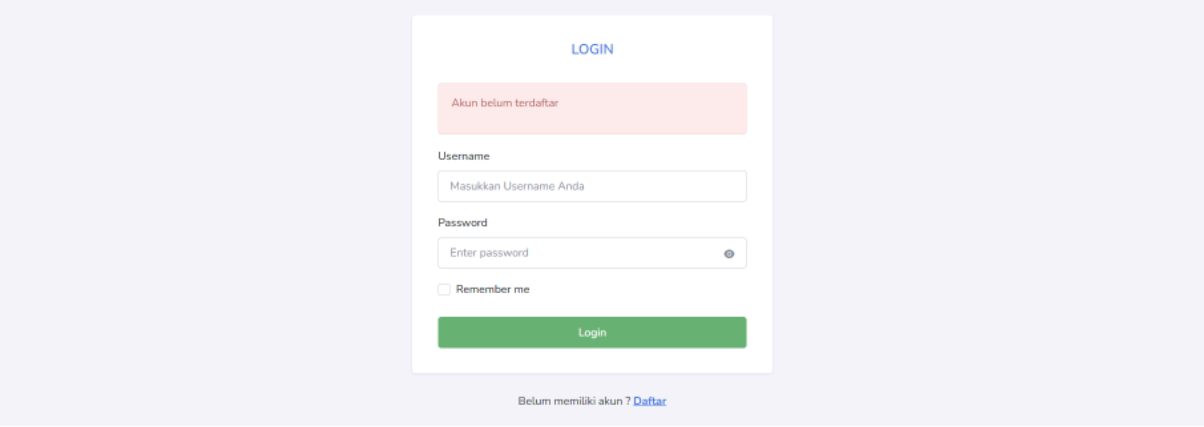
iv. The Console after Running

Finished after 0.043 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun14 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing



❖ Akun 15
username: akuncoba015
password: akuncoba015

i.	The test frame for every test case

```
# -- Akun 15
  Scenario: Test Login Akun15
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii.	The step definition

```
// Akun 15
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba015");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba015");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

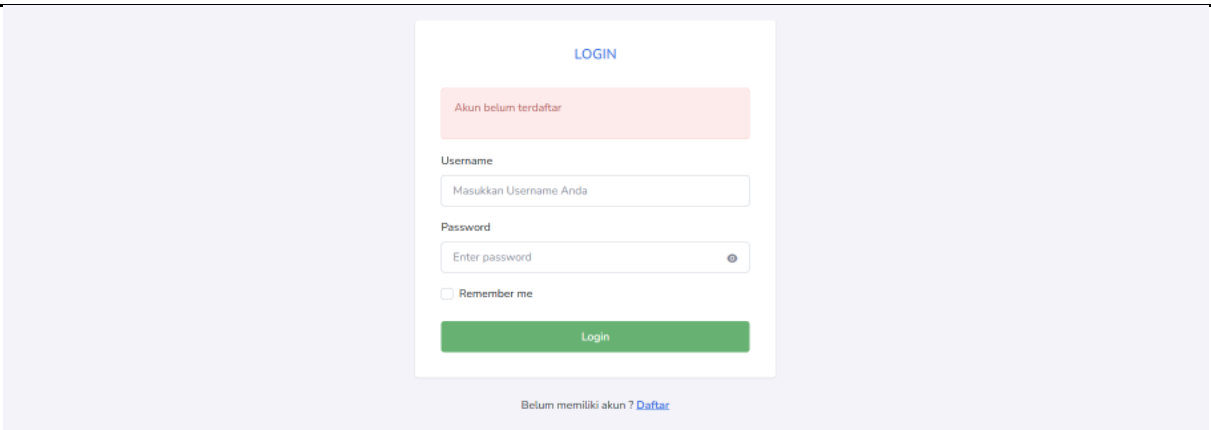
iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.043 seconds
Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0
runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    Scenario: Test Login Akun15 (0.000 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      When I click Login button (0.000 s)
      When I enter invalid username and invalid password (0.000 s)
      Then I cannot login to system (0.000 s)
```

v. The browser while testing



- Akun 16
  username: akuncoba016
  password: akuncoba016

i. The test frame for every test case

```
# -- Akun 16
  Scenario: Test Login Akun16
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 16
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba016");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba016");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

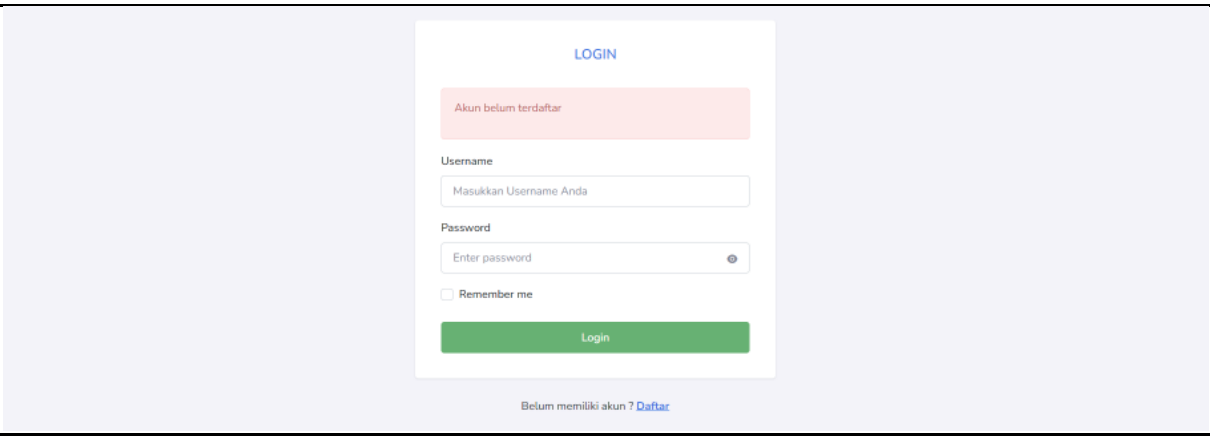
iv. The Console after Running

Finished after 0.068 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.009 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.009 s)
    - Scenario: Test Login Akun16 (0.009 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 17
username: akuncoba017
password: akuncoba017

i. The test frame for every test case

```
# -- Akun 17
  Scenario: Test Login Akun17
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
// Akun 17
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba017");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba017");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

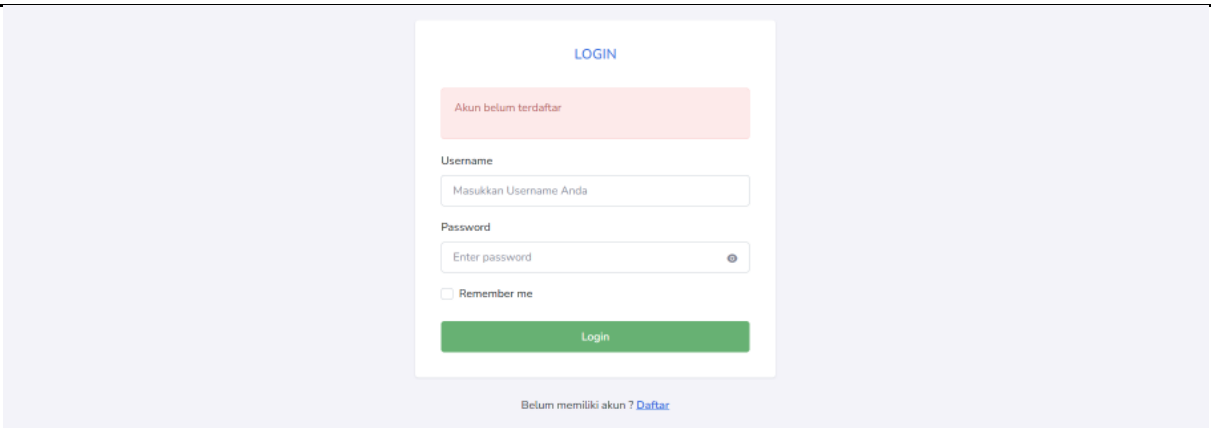
iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.066 seconds
Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    Scenario: Test Login Akun17 (0.001 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      When I click Login button (0.000 s)
      When I enter invalid username and invalid password (0.001 s)
      Then I cannot login to system (0.000 s)
```

v. The browser while testing



- Akun 18
  username: akuncoba018
  password: akuncoba018

i. The test frame for every test case

```
# -- Akun 18
  Scenario: Test Login Akun18
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 18
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba018");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba018");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

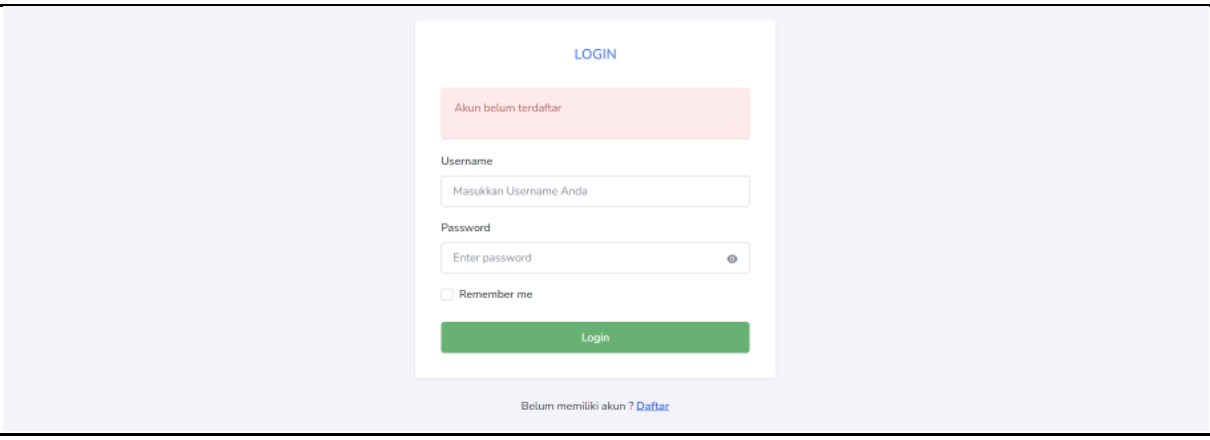
iv. The Console after Running

Finished after 0.081 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun18 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 19
username: akuncoba019
password: akuncoba019

i. The test frame for every test case

```
713    # -- Akun 19
714      Scenario: Test Login Akun19
715          Given open chrome and http://127.0.0.1:8000 accessed
716          When I click Login button
717          When I enter invalid username and invalid password
718          Then I cannot login to system
```

ii. The step definition

```
2436    // Akun 19
2437    public class Login {
2438    WebDriver wd;
2439
2440    @Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
2441    public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
2442        WebDriver wd = new ChromeDriver();
2443        wd.get("http://127.0.0.1:8000");
2444    }
2445
2446    @When("^I click Login button$")
2447    public void I_click_Login_button() throws Throwable {
2448        wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
2449    }
2450
2451    @When("^I enter invalid username and invalid password$")
2452    public void I_enter_invalid_username_and_invalid_password() throws Throwable {
2453        wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba019");
2454        wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba019");
2455    }
2456
2457    @Then("^I cannot login to system$")
2458    public void I_cannot_login_to_system() throws Throwable {
2459        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
2460    }
```

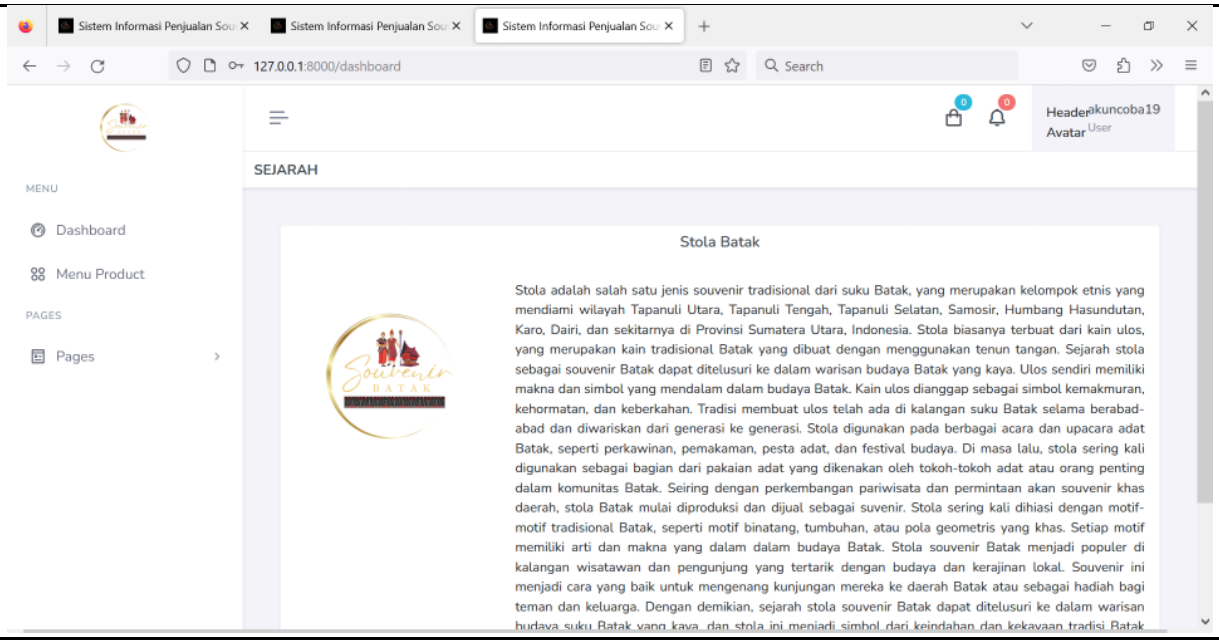
iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.082 seconds

Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.003 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.003 s)
    Scenario: Test Login Akun19 (0.003 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      When I click Login button (0.002 s)
      When I enter invalid username and invalid password (0.000 s)
      Then I cannot login to system (0.001 s)
```

v. The browser while testing



- Akun 20
  username: akuncoba020
  password: akuncoba020

i. The test frame for every test case

```
# -- Akun 20
  Scenario: Test Login Akun20
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```java
// Akun 20
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba020");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba020");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

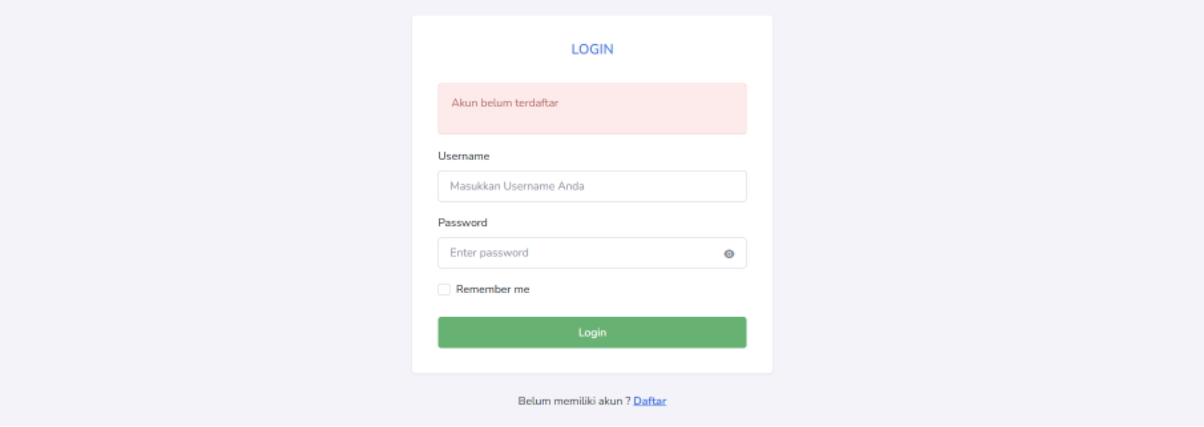
iv. The Console after Running

Finished after 0.024 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun20 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing



❖ Akun 21
username: akuncoba021
password: akuncoba21

i.	The test frame for every test case

```
# -- Akun 21
  Scenario: Test Login Akun21
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii.	The step definition

```java
// Akun 21
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba021");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba021");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

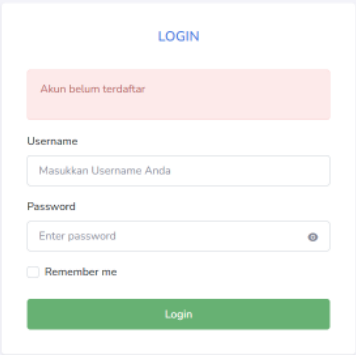
iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.085 seconds
Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0

runner.LoginTestRunner [Runner: JUnit 4] (0.008 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.008 s)
    Scenario: Test Login Akun21 (0.008 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      When I click Login button (0.000 s)
      When I enter invalid username and invalid password (0.002 s)
      Then I cannot login to system (0.000 s)
```

v. The browser while testing



❖ Akun 22
username: akuncoba022
password: akuncoba022

i. The test frame for every test case

```gherkin
  # -- Akun 22
  Scenario: Test Login Akun22
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii.	The step definition

```
// Akun 22
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba022");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba022");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii.	The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

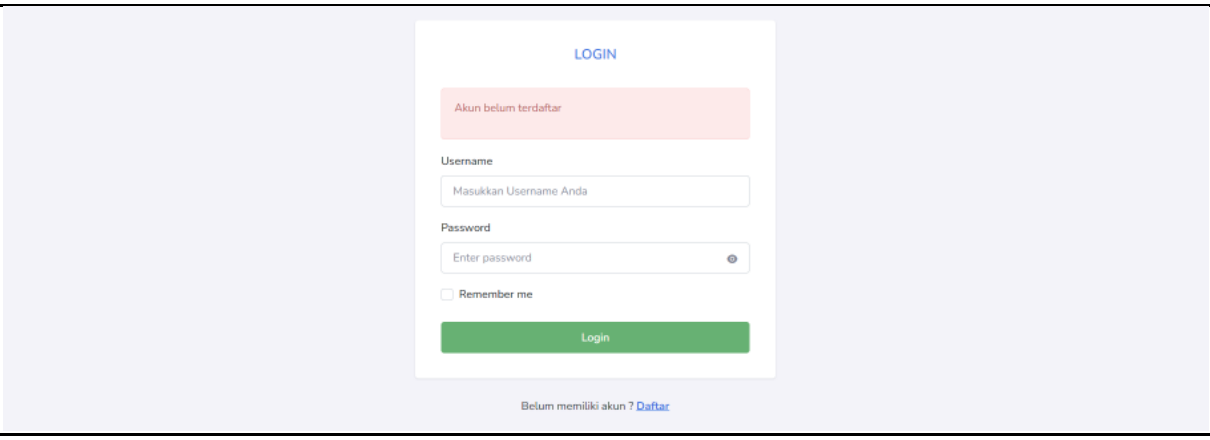
iv.	The Console after Running

Finished after 0.029 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun22 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v.	The browser while testing



❖ Akun 23
username: akuncoba023
password: akuncoba023

i. The test frame for every test case

```
# -- Akun 23
  Scenario: Test Login Akun23
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 23
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba023");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba023");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

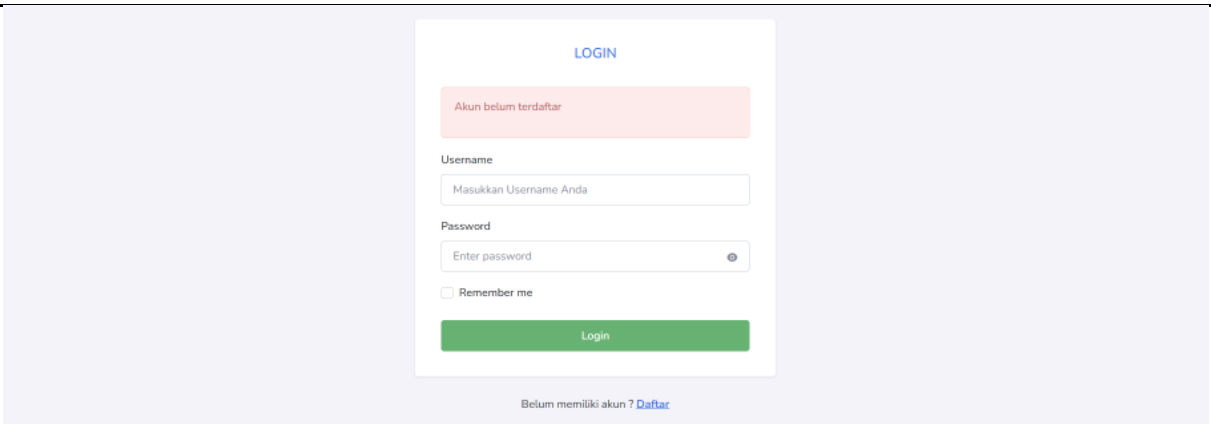
iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

iv. The Console after Running

```
Finished after 0.091 seconds
Runs: 4/4 (5 skipped)    Errors: 0    Failures: 0
runner.LoginTestRunner [Runner: JUnit 4] (0.002 s)
  Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    Scenario: Test Login Akun23 (0.002 s)
      Given open chrome and http://127.0.0.1:8000 accessed (0.001 s)
      When I click Login button (0.000 s)
      When I enter invalid username and invalid password (0.000 s)
      Then I cannot login to system (0.000 s)
```

v. The browser while testing



❖ Akun 24
username: akuncoba024
password: akuncoba024

i. The test frame for every test case

```
# -- Akun 24
  Scenario: Test Login Akun24
      Given open chrome and http://127.0.0.1:8000 accessed
      When I click Login button
      When I enter invalid username and invalid password
      Then I cannot login to system
```

ii. The step definition

```
// Akun 24
public class Login {
WebDriver wd;

@Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000");
}

@When("^I click Login button$")
public void I_click_Login_button() throws Throwable {
    wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
}

@When("^I enter invalid username and invalid password$")
public void I_enter_invalid_username_and_invalid_password() throws Throwable {
    wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba024");
    wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba024");
}

@Then("^I cannot login to system$")
public void I_cannot_login_to_system() throws Throwable {
    wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

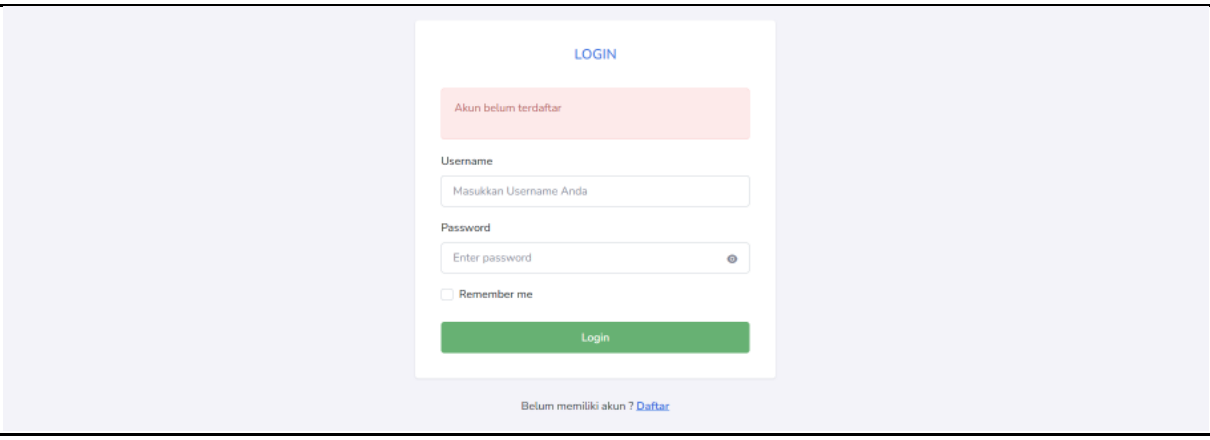
iv. The Console after Running

Finished after 0.084 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Login Akun24 (0.001 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



❖ Akun 25
username: akuncoba025
password: akuncoba025

i. The test frame for every test case

```
533   # -- Akun 25
534     Scenario: Test Login Akun25
535         Given open chrome and http://127.0.0.1:8000 accessed
536         And I click Login button
537         When I enter invalid username and valid password
538         Then I cannot login to system
```

ii. The step definition

```
2592    // Akun 25
2593    public class Login {
2594    WebDriver wd;
2595
2596    @Given("^open chrome and http://(\\d+).(\\d+).(\\d+).(\\d+):(\\d+) accessed$")
2597    public void open_chrome_and_http_accessed(int arg1, int arg2, int arg3, int arg4, int arg5) throws Throwable {
2598        WebDriver wd = new ChromeDriver();
2599        wd.get("http://127.0.0.1:8000");
2600    }
2601
2602    @When("^I click Login button$")
2603    public void I_click_Login_button() throws Throwable {
2604        wd.findElement(By.xpath("//*[@id=\"page-topbar\"]/div/div/div[2]/div/a/span/span/span")).click();
2605    }
2606
2607    @When("^I enter invalid username and invalid password$")
2608    public void I_enter_invalid_username_and_invalid_password() throws Throwable {
2609        wd.findElement(By.id("//*[@id=\"username\"]")).sendKeys("akuncoba025");
2610        wd.findElement(By.id("//*[@id=\"password-input\"]")).sendKeys("akuncoba025");
2611    }
2612
2613    @Then("^I cannot login to system$")
2614    public void I_cannot_login_to_system() throws Throwable {
2615        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
2616    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)
@Cucumber.Options(features = "Features\\Login.feature")

public class LoginTestRunner {

}
```

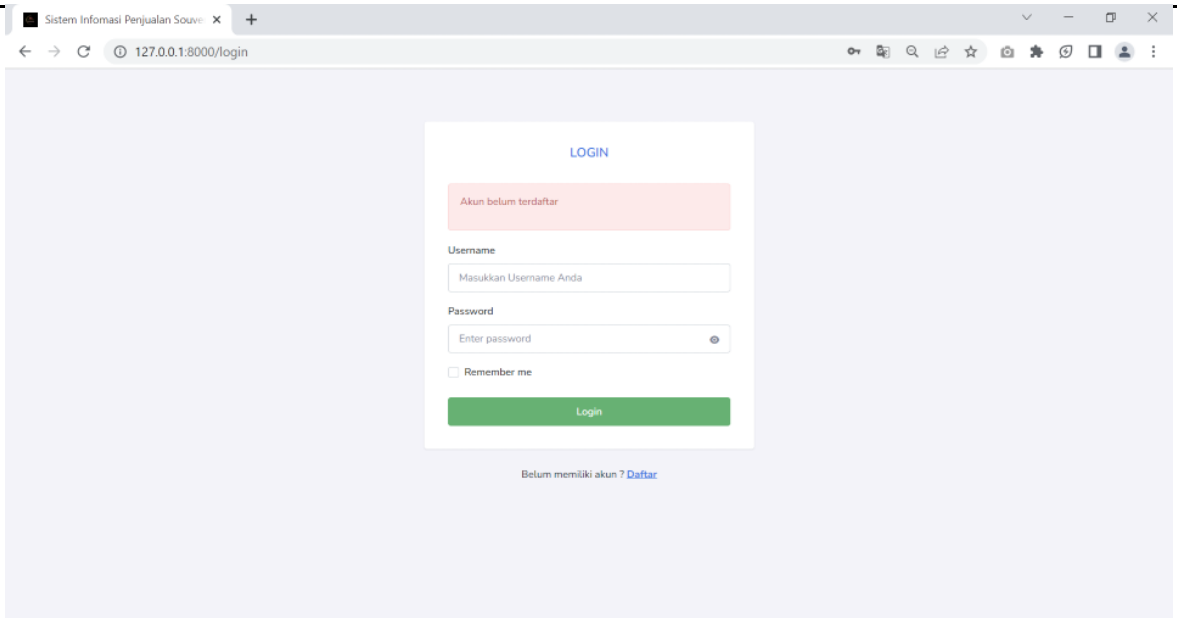
iv. The Console after Running

Finished after 0.03 seconds

Runs: 4/4 (5 skipped) Errors: 0 Failures: 0

- runner.LoginTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Login for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Login Akun25 (0.000 s)
      - Given open chrome and http://127.0.0.1:8000 accessed (0.000 s)
      - When I click Login button (0.000 s)
      - When I enter invalid username and invalid password (0.000 s)
      - Then I cannot login to system (0.000 s)

v. The browser while testing



2. Fungsi registrasi akun

Jenis	Field				Jumlah Test Case
	username	**nama**	**email**	**password**	
Scenario 1	valid	valid	valid	valid	7
Scenario 2	valid	valid	valid	invalid	7
Scenario 3	valid	valid	invalid	valid	6
Scenario 4	valid	invalid	valid	valid	6
Scenario 5	valid	invalid	invalid	valid	6
Scenario 6	valid	valid	invalid	invalid	6
Scenario 7	valid	invalid	valid	invalid	6
Scenario 8	valid	invalid	invalid	invalid	6
Scenario 9	invalid	valid	valid	valid	6
Scenario 10	invalid	invalid	valid	valid	6
Scenario 11	invalid	valid	invalid	valid	6
Scenario 12	invalid	valid	valid	invalid	6
Scenario 13	invalid	valid	invalid	invalid	6
Scenario 14	invalid	invalid	valid	invalid	6
Scenario 15	invalid	invalid	invalid	valid	7
Scenario 16	invalid	invalid	invalid	invalid	7
Total					100 test case

- Scenario 1: valid username, valid nama, valid email and valid password [4 test case]
  - ❖ Test Case 1

username	:	Admin1
password	:	admin123
nama	:	Stola Horas
jenis	:	stola
harga	:	Rp 15.000
image	:	stolahoras1.png
deskripsi	:	Barang bagus

i.	The test frame for every test case
ii.	The step definition

```
# ==========================================================================================#
# Scenario 1 valid username, valid nama, valid email, valid password
# ==========================================================================================#

# -- Akun 1
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and valid password
    Then I successfully registered an account
```

```java
//-----------------------------------------------------------------------//
// Scenario 1 valid username, valid nama, valid email and valid password
//-----------------------------------------------------------------------//

    //-- Akun 1
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and valid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest1");
        wd.findElement(By.id("nama")).sendKeys("User Test 1");
        wd.findElement(By.id("useremail")).sendKeys("usertest1@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest1");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

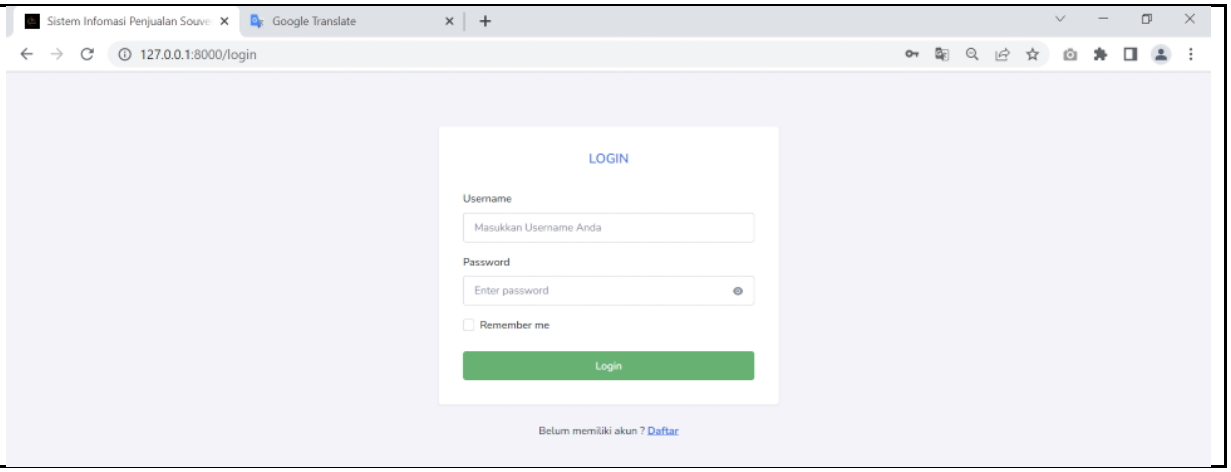
iv. The Console after Running

Finished after 0.029 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun1 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and valid password (0.000 s)
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 2

username	:	usertest2
nama	:	User Test 2
email	:	usertest2@gmail.com
password	:	usertest2

i. The test frame for every test case

```
# -- Akun 2
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and valid password
    Then I successfully registered an account
```

ii. The step definition

```
//-- Akun 2
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, valid nama, valid email and valid password$")
public void I_enter_valid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest2");
    wd.findElement(By.id("nama")).sendKeys("User Test 2");
    wd.findElement(By.id("useremail")).sendKeys("usertest2@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("usertest2");
}

@Then("^I successfully registered an account$")
public void I_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

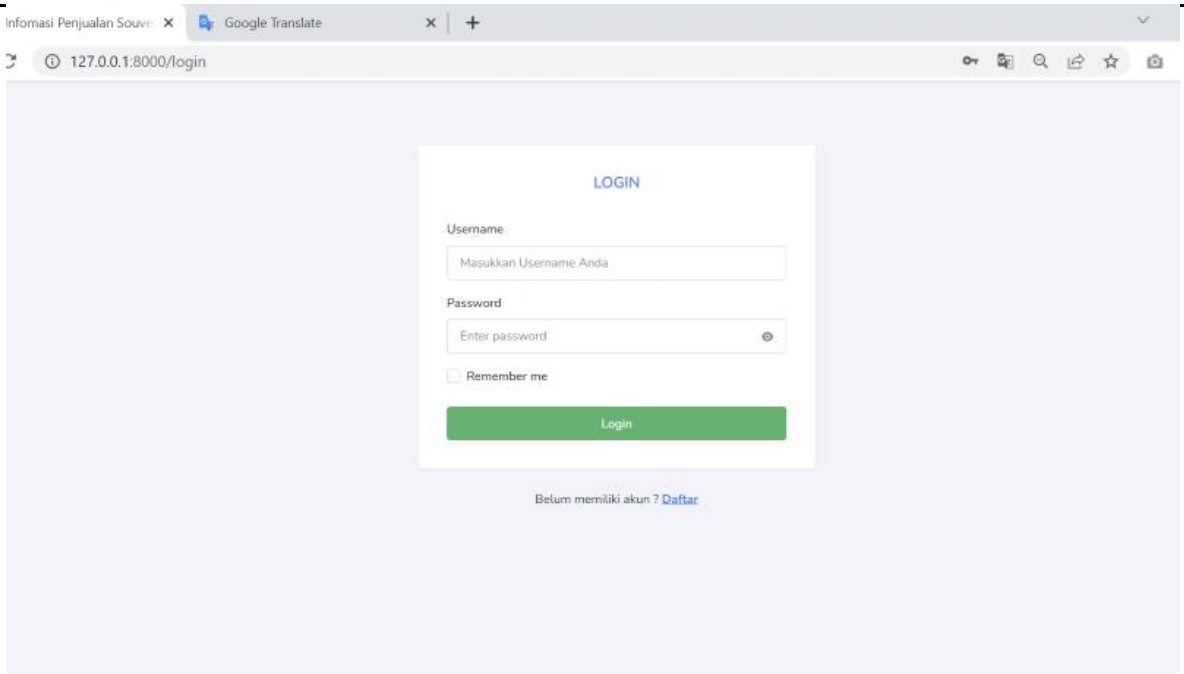
iv. The Console after Running

Finished after 0.037 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and valid password (0.000 s)
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 3

username	:	usertest3
nama	:	User Test 3
email	:	usertest1@gmail.com
password	:	usertest3

i.	The test frame for every test case

```
# -- Akun 3
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and valid password
    Then I successfully registered an account
```

ii.	The step definition

```
//-- Akun 3
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, valid nama, valid email and valid password$")
public void I_enter_valid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest3");
    wd.findElement(By.id("nama")).sendKeys("User Test 3");
    wd.findElement(By.id("useremail")).sendKeys("usertest3@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("usertest3");
}

@Then("^I successfully registered an account$")
public void I_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii.	The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

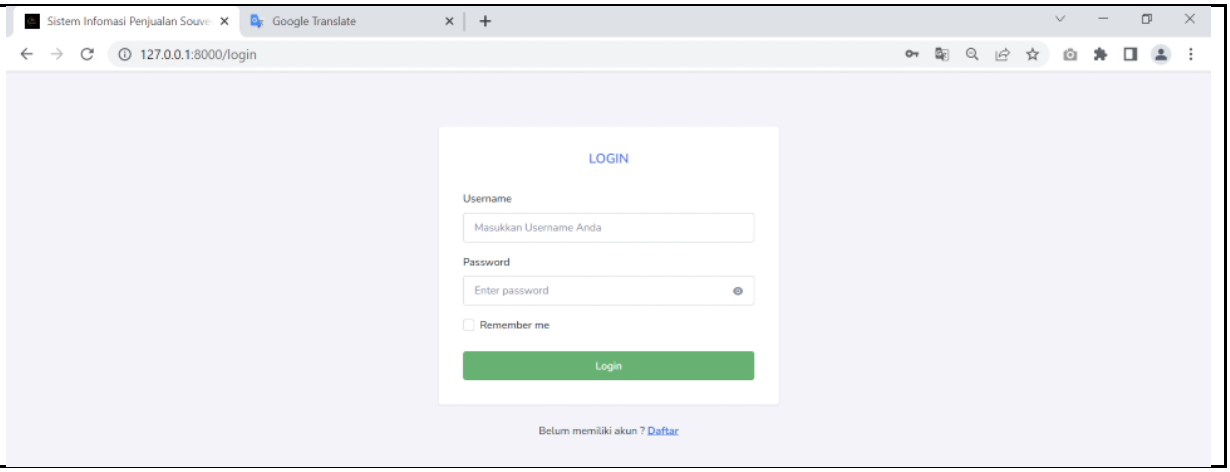
iv.	The Console after Running

Finished after 0.062 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.006 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.006 s)
    - Scenario: Test Registrasi Akun3 (0.006 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and valid password (0.000 s)
      - Then I successfully registered an account (0.001 s)

v.	The browser while testing



❖ Test Case 4

username	:	usertest4
nama	:	User Test 4
email	:	usertest4@gmail.com
password	:	usertest4

i. The test frame for every test case

```
# -- Akun 4
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and valid password
    Then I successfully registered an account
```

ii. The step definition

```
    //-- Akun 4
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and valid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest4");
        wd.findElement(By.id("nama")).sendKeys("User Test 4");
        wd.findElement(By.id("useremail")).sendKeys("usertest4@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest4");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

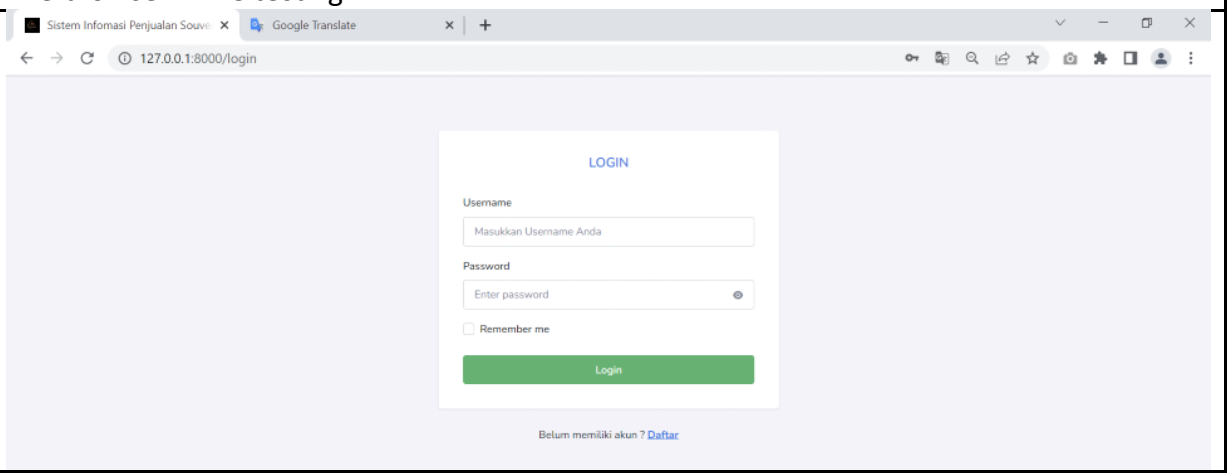
iv. The Console after Running

Finished after 0.024 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun4 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and valid password (0.000 s)
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 5

username	:	usertest5
nama	:	User Test 5
email	:	usertest5@gmail.com
password	:	usertest5

i. The test frame for every test case

```
# -- Akun 5
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and valid password
    Then I successfully registered an account

```

ii. The step definition

```
    //-- Akun 5
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and valid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest5");
        wd.findElement(By.id("nama")).sendKeys("User Test 5");
        wd.findElement(By.id("useremail")).sendKeys("usertest5@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest5");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

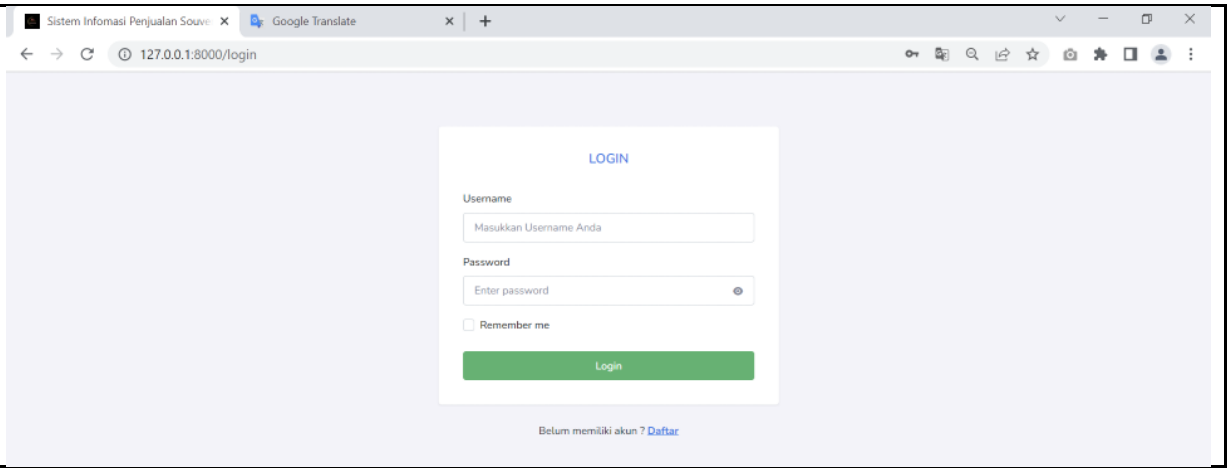
iv. The Console after Running

Finished after 0.025 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun5 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and valid password (0.000 s)
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 6

username	:	usertest6
nama	:	User Test 6
email	:	usertest6@gmail.com
password	:	usertest6

i. The test frame for every test case

```
# -- Akun 6
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and valid password
    Then I successfully registered an account
```

ii. The step definition

```
    //-- Akun 6
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and valid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest6");
        wd.findElement(By.id("nama")).sendKeys("User Test 6");
        wd.findElement(By.id("useremail")).sendKeys("usertest6@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest6");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11    @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

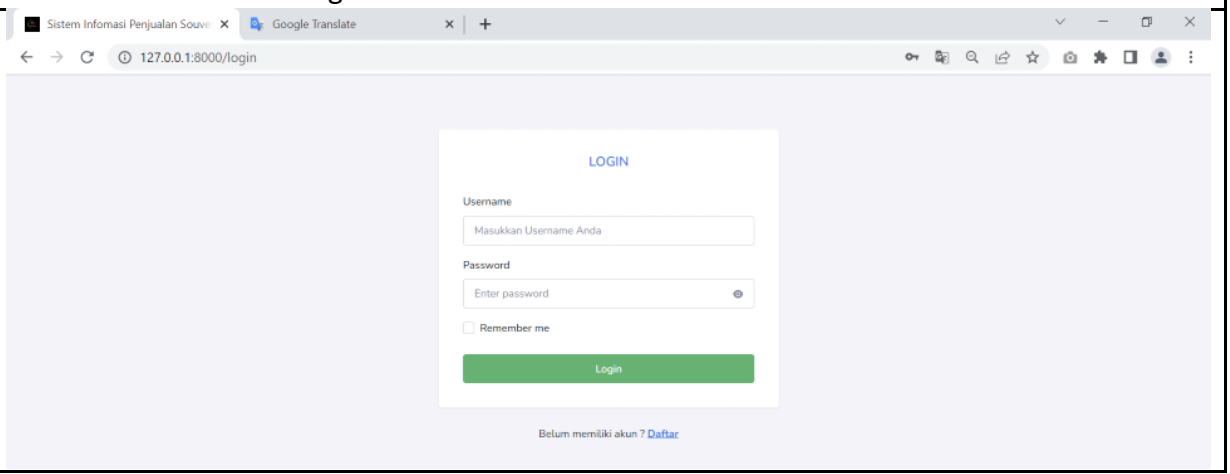
iv. The Console after Running

Finished after 0.023 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun6 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and valid password (0.000 s)
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 7

username	:	usertest7
nama	:	User Test 7
email	:	usertest7@gmail.com
password	:	usertest7

i. The test frame for every test case

```
43 # -- Akun 7
44 Scenario: Test Registrasi Akun7
45     Given open chrome and start application
46     When I enter valid username, valid nama, valid email and valid password
47     Then I successfully registered an account
```

ii. The step definition

```
172     //-- Akun 7
173     public class RegistrasiAkun {
174     WebDriver wd;
175
176     @Given("^open chrome and start application$")
177     public void open_chrome_and_start_application() throws Throwable {
178         System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
179         WebDriver wd = new ChromeDriver();
180         wd.get("http://127.0.0.1:8000/registration");
181     }
182
183     @When("^I enter valid username, valid nama, valid email and valid password$")
184     public void I_enter_valid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
185         wd.findElement(By.id("username")).sendKeys("usertest7");
186         wd.findElement(By.id("nama")).sendKeys("User Test 7");
187         wd.findElement(By.id("useremail")).sendKeys("usertest7@gmail.com");
188         wd.findElement(By.id("userpassword")).sendKeys("usertest7");
189     }
190
191     @Then("^I successfully registered an account$")
192     public void I_successfully_registered_an_account() throws Throwable {
193         wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
194         throw new PendingException();
195     }
196 }
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11    @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

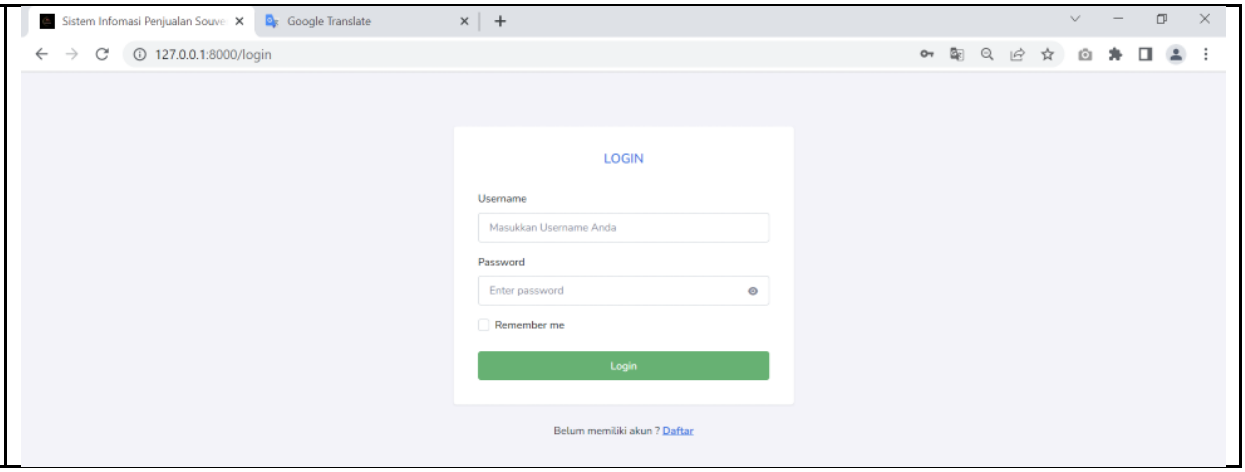
iv. The Console after Running

Finished after 0.057 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun7 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and valid password (0.000 s)
      - Then I successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
Google Translate
127.0.0.1:8000/login
LOGIN
Username
Masukkan Username Anda
Password
Enter password
Remember me
Login
Belum memiliki akun ? Daftar

- Scenario 2: valid username, valid nama, valid email and invalid password [7 test case]
  - ❖ Test Case 8

username	:	usertest8
nama	:	User Test 8
email	:	usertest8@gmail.com
password	:	test8

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 2 valid username, valid nama, valid email, invalid password
# ==========================================================================================

# -- Test Case 8
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and invalid password
    Then I successfully registered an account
```

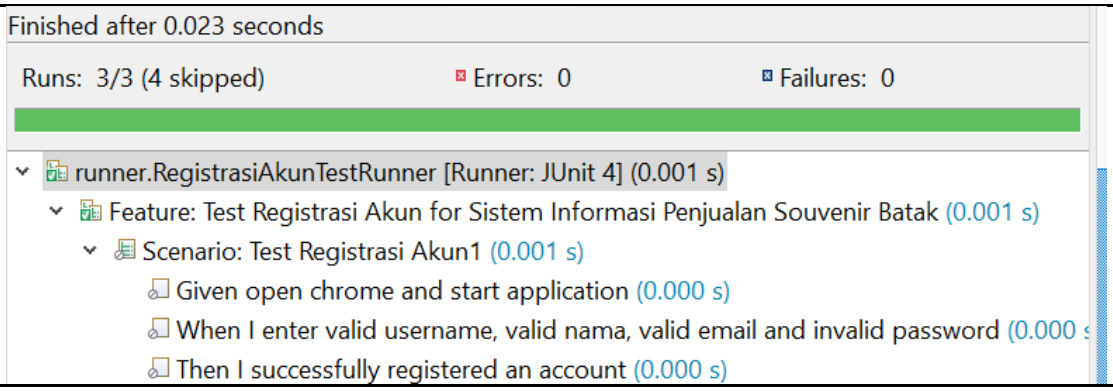
ii. The step definition

```
//-----------------------------------------------------------------------//
// Scenario 2 valid username, valid nama, valid email and invalid password
//-----------------------------------------------------------------------//

    //-- Akun 8
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and invalid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest8");
        wd.findElement(By.id("nama")).sendKeys("User Test 8");
        wd.findElement(By.id("useremail")).sendKeys("usertest8@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("test8");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

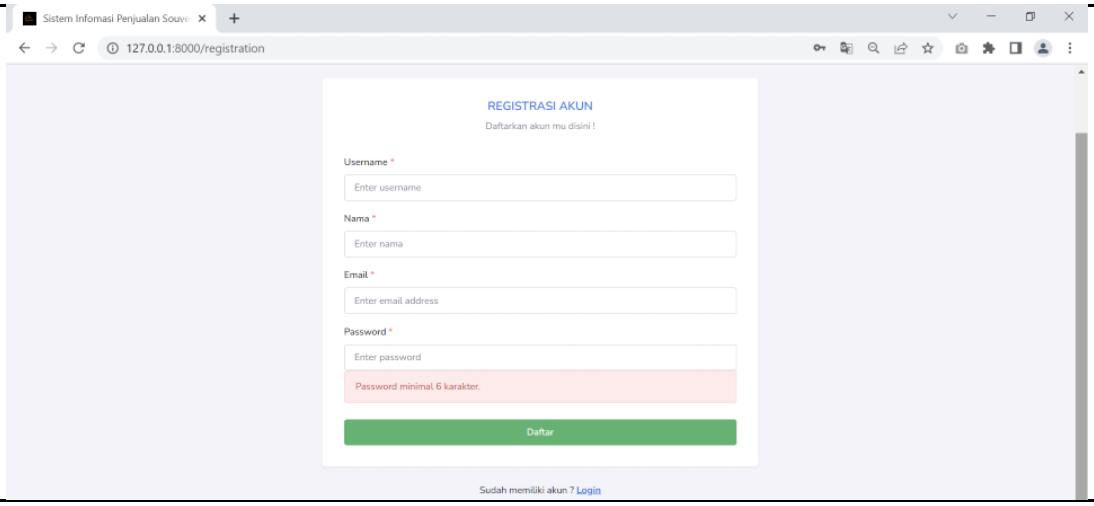
iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

iv. The Console after Running



v. The browser while testing



❖ Test Case 9

username	:	usertest9
nama	:	User Test 9
email	:	usertest9@gmail.com
password	:	test9

i. The test frame for every test case

```
# -- Test Case 9
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and invalid password
    Then I successfully registered an account
```

ii. The step definition

```java
    //-- Akun 9
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and invalid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest9");
        wd.findElement(By.id("nama")).sendKeys("User Test 9");
        wd.findElement(By.id("useremail")).sendKeys("usertest9@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("test9");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

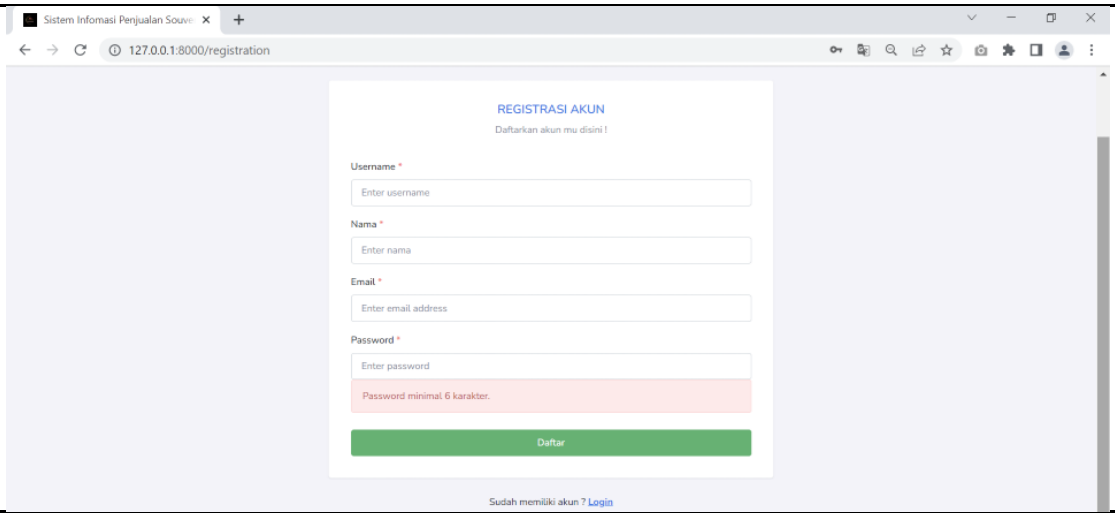
iv. The Console after Running

Finished after 0.031 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and invalid password (0.000 s
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 10

username	:	usertest10
nama	:	User Test 10
email	:	usertest10@gmail.com
password	:	tes10

i. The test frame for every test case

```
# -- Test Case 10
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and invalid password
    Then I successfully registered an account
```

ii. The step definition

```
    //-- Akun 10
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and invalid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest10");
        wd.findElement(By.id("nama")).sendKeys("User Test 10");
        wd.findElement(By.id("useremail")).sendKeys("usertest10@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes10");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

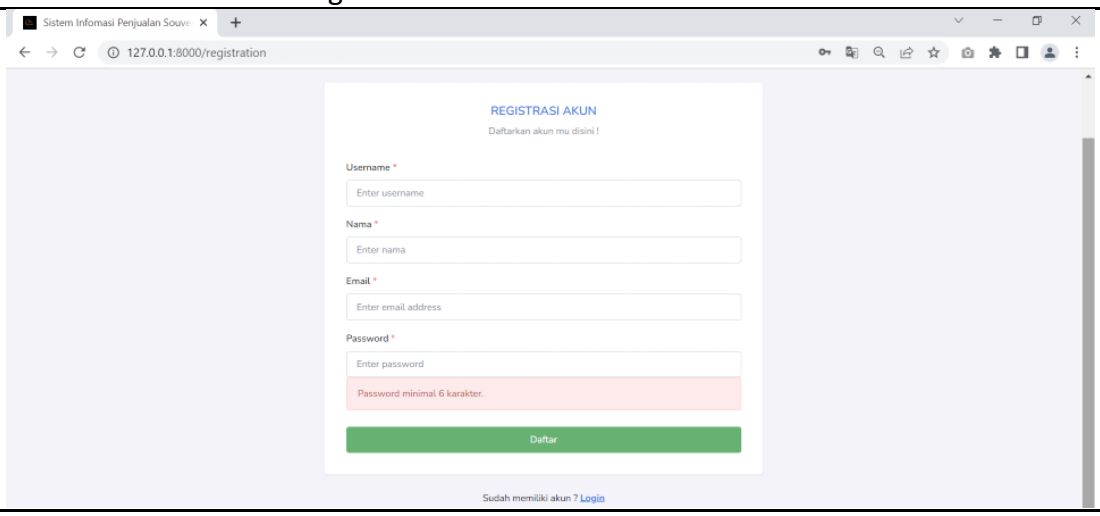
iv. The Console after Running

Finished after 0.021 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun3 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and invalid password (0.000 s
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 11

username	:	usertest11
nama	:	User Test 11
email	:	usertest11@gmail.com
password	:	tes11

i. The test frame for every test case

```
# -- Test Case 11
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and invalid password
    Then I successfully registered an account
```

ii. The step definition

```java
    //-- Akun 11
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and invalid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest11");
        wd.findElement(By.id("nama")).sendKeys("User Test 11");
        wd.findElement(By.id("useremail")).sendKeys("usertest11@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes11");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

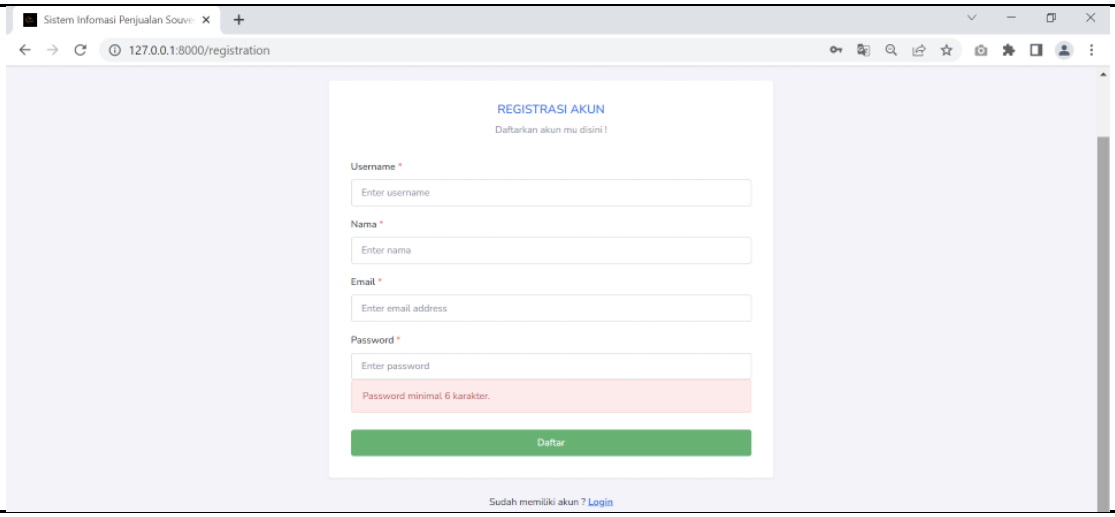
iv. The Console after Running

Finished after 0.031 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun4 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username, valid nama, valid email and invalid password (0.000 s)
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 12

username	:	usertest12
nama	:	User Test 12
email	:	usertest12@gmail.com
password	:	tes12

i. The test frame for every test case

```
# -- Test Case 12
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and invalid password
    Then I successfully registered an account
```

ii. The step definition

```
    //-- Akun 12
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and invalid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest12");
        wd.findElement(By.id("nama")).sendKeys("User Test 12");
        wd.findElement(By.id("useremail")).sendKeys("usertest12@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes12");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

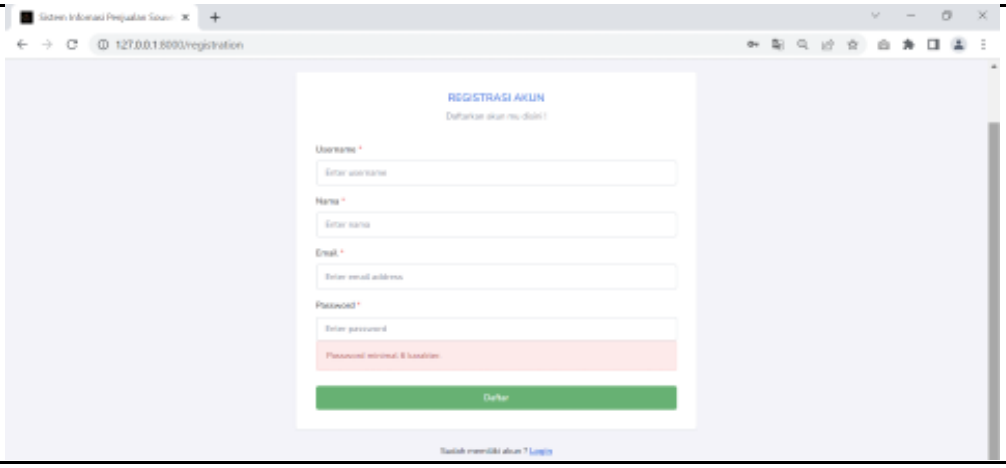
iv. The Console after Running

Finished after 0.077 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun5 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username, valid nama, valid email and invalid password (0.000 s)
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 13

username	:	usertest13
nama	:	User Test 13
email	:	usertest13@gmail.com
password	:	tes13

i. The test frame for every test case

```
# -- Test Case 13
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and invalid password
    Then I successfully registered an account
```

ii. The step definition

```
//-- Akun 13
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, valid nama, valid email and invalid password$")
public void I_enter_valid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest13");
    wd.findElement(By.id("nama")).sendKeys("User Test 13");
    wd.findElement(By.id("useremail")).sendKeys("usertest13@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("tes13");
}

@Then("^I successfully registered an account$")
public void I_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

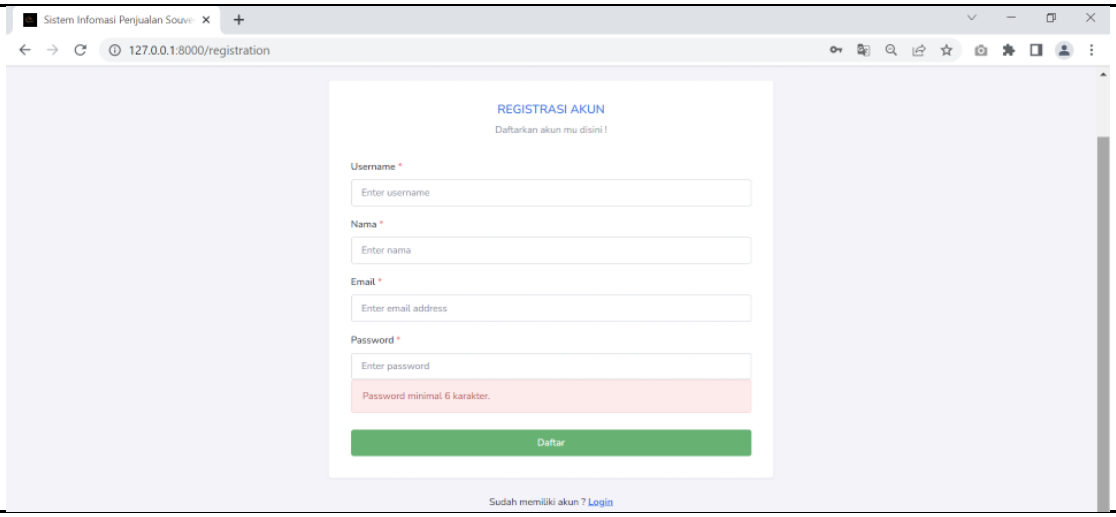
iv. The Console after Running

Finished after 0.036 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun6 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and invalid password (0.000 s)
      - Then I successfully registered an account (0.001 s)

v. The browser while testing



❖ Test Case 14

username	:	usertest14
nama	:	User Test 14
email	:	usertest14@gmail.com
password	:	tes14

i. The test frame for every test case

```
# -- Test Case 14
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter valid username, valid nama, valid email and invalid password
    Then I successfully registered an account
```

ii. The step definition

```
    //-- Akun 14
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, valid email and invalid password$")
    public void I_enter_valid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest14");
        wd.findElement(By.id("nama")).sendKeys("User Test 14");
        wd.findElement(By.id("useremail")).sendKeys("usertest14@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes14");
    }

    @Then("^I successfully registered an account$")
    public void I_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

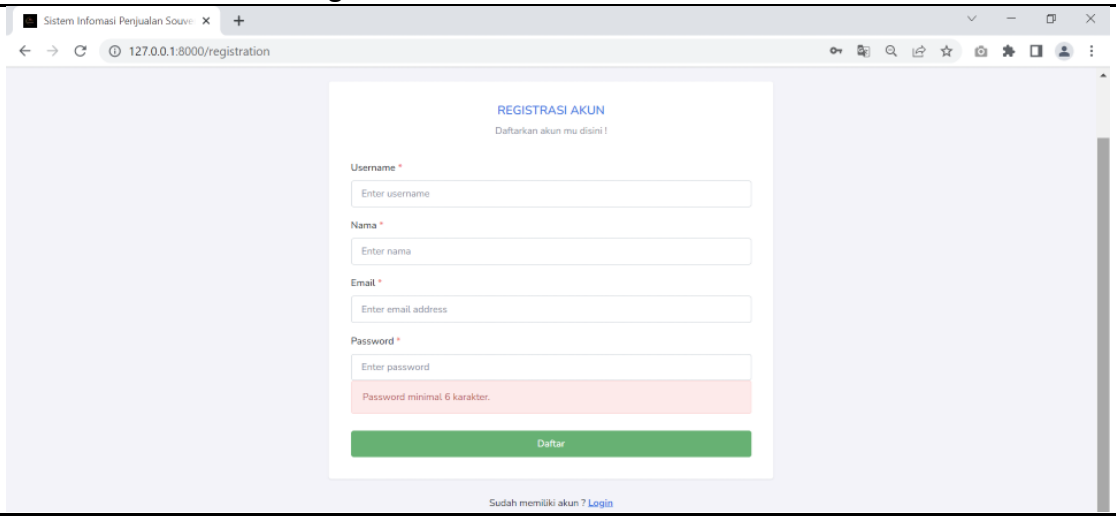
iv. The Console after Running

Finished after 0.025 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun7 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, valid email and invalid password (0.000 s)
      - Then I successfully registered an account (0.000 s)

v. The browser while testing



- Scenario 3: valid username, valid nama, invalid email and valid password [6 test case]
  - ❖ Test Case 15

username	:	usertest8
nama	:	User Test 8
email	:	usertest8
password	:	usertest8

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 3 valid username, valid nama, invalid email, valid password
# ==========================================================================================

# -- Test Case 15
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------//
// Scenario 3 valid username, valid nama, invalid email and valid password
//-----------------------------------------------------------------------//

    // Test Case 15
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, invalid email and valid password$")
    public void I_enter_valid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest8");
        wd.findElement(By.id("nama")).sendKeys("User Test 8");
        wd.findElement(By.id("useremail")).sendKeys("usertest8");
        wd.findElement(By.id("userpassword")).sendKeys("usertest8");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

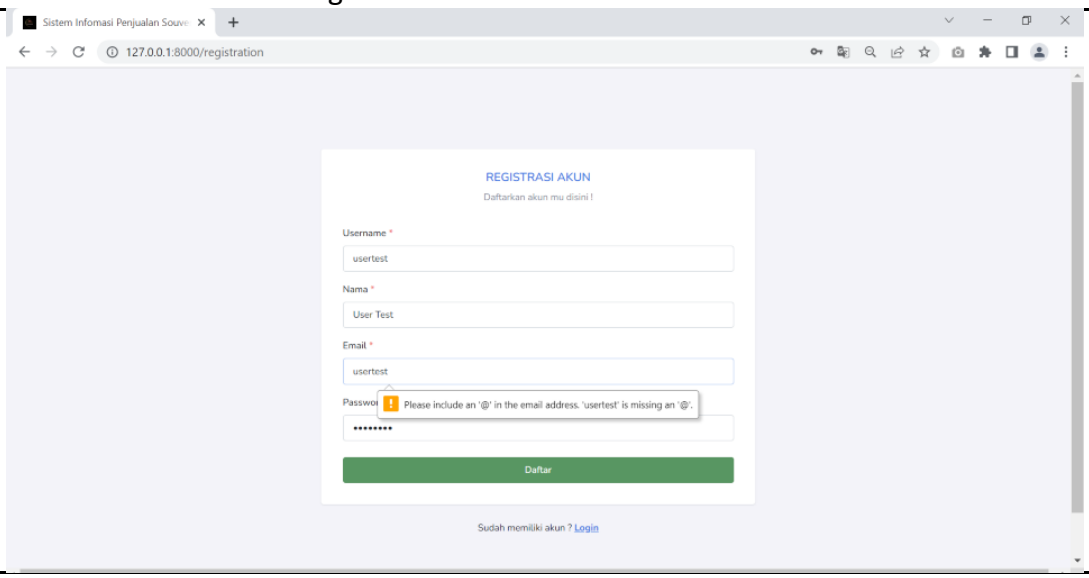
iv. The Console after Running

Finished after 0.027 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000
Scenario: Test Registrasi Akun1 (0.000 s)
Given open chrome and start application (0.000 s)
When I enter valid username, valid nama, invalid email and valid password (0
Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 16

username	:	usertest9
nama	:	User Test 9
email	:	usertest9
password	:	usertest9

i. The test frame for every test case

```
# -- Test Case 16
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 16
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, invalid email and valid password$")
    public void I_enter_valid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest9");
        wd.findElement(By.id("nama")).sendKeys("User Test 9");
        wd.findElement(By.id("useremail")).sendKeys("usertest9");
        wd.findElement(By.id("userpassword")).sendKeys("usertest9");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

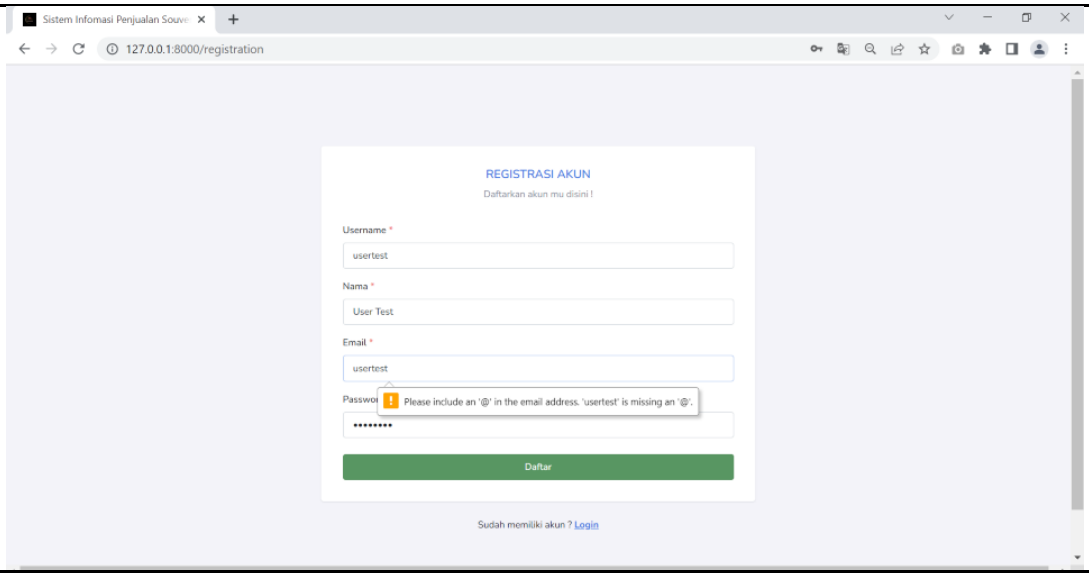
iv. The Console after Running

Finished after 0.034 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun2 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username, valid nama, invalid email and valid password (0.0
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 17

username	:	usertest10
nama	:	User Test 10
email	:	usertest10
password	:	usertest10

i. The test frame for every test case

```
# -- Test Case 17
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 17
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, valid nama, invalid email and valid password$")
public void I_enter_valid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest10");
    wd.findElement(By.id("nama")).sendKeys("User Test 10");
    wd.findElement(By.id("useremail")).sendKeys("usertest10");
    wd.findElement(By.id("userpassword")).sendKeys("usertest10");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

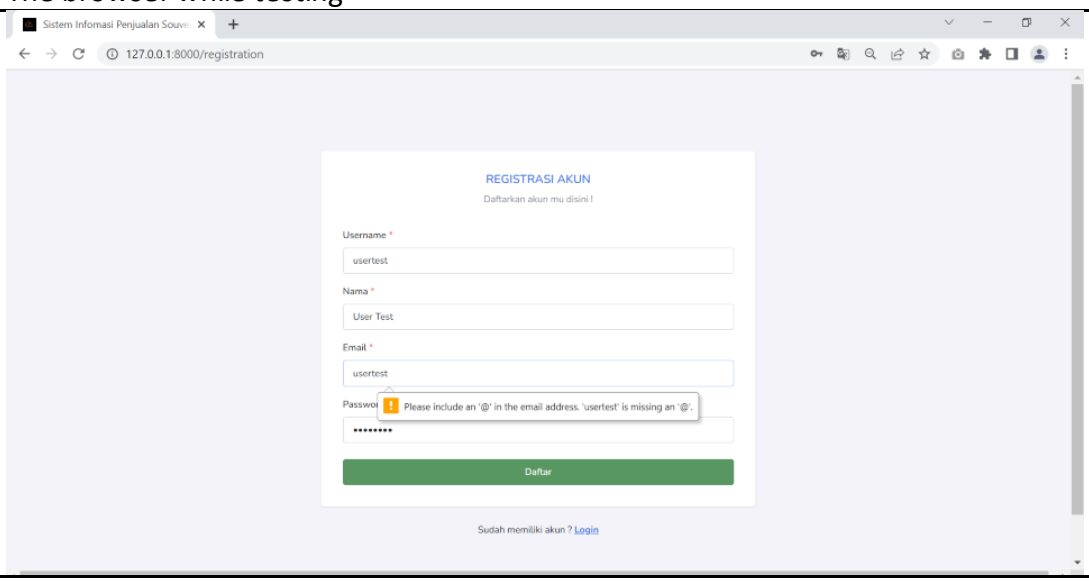
iv. The Console after Running

Finished after 0.035 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
- Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
  - Scenario: Test Registrasi Akun3 (0.001 s)
    - Given open chrome and start application (0.000 s)
    - When I enter valid username, valid nama, invalid email and valid password (0.000
    - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 18

username	:	usertest11
nama	:	User Test 11
email	:	usertest11
password	:	usertest11

i. The test frame for every test case

```
# -- Test Case 18
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 18
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, valid nama, invalid email and valid password$")
public void I_enter_valid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest11");
    wd.findElement(By.id("nama")).sendKeys("User Test 11");
    wd.findElement(By.id("useremail")).sendKeys("usertest11");
    wd.findElement(By.id("userpassword")).sendKeys("usertest11");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

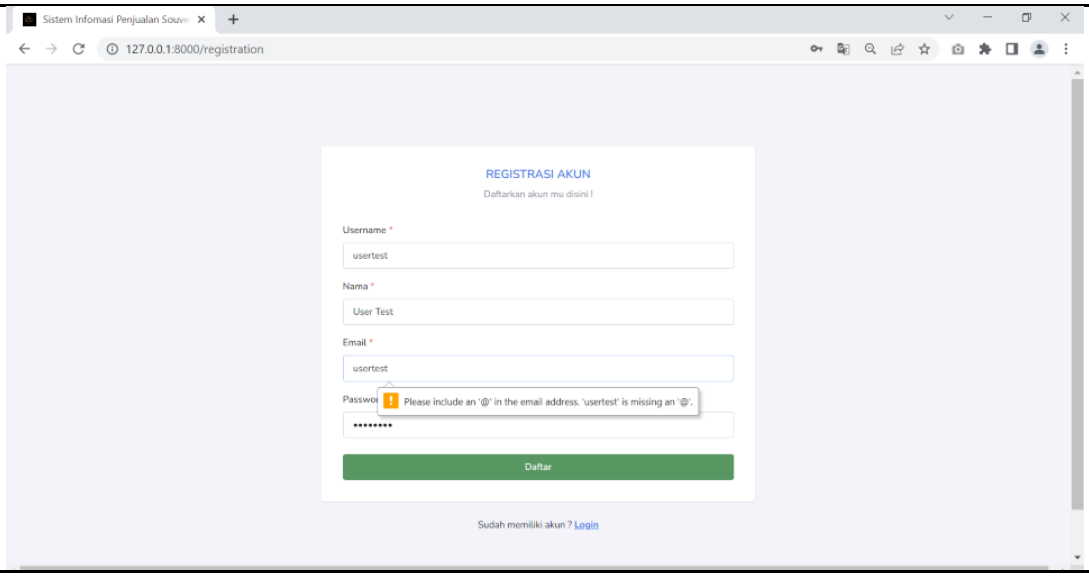
iv. The Console after Running

Finished after 0.048 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun4 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username, valid nama, invalid email and valid password (0.000
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 19

username	:	usertest12
nama	:	User Test 12
email	:	usertest12
password	:	usertest12

i. The test frame for every test case

```
# -- Test Case 19
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 19
public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, invalid email and valid password$")
    public void I_enter_valid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest12");
        wd.findElement(By.id("nama")).sendKeys("User Test 12");
        wd.findElement(By.id("useremail")).sendKeys("usertest12");
        wd.findElement(By.id("userpassword")).sendKeys("usertest12");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11    @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

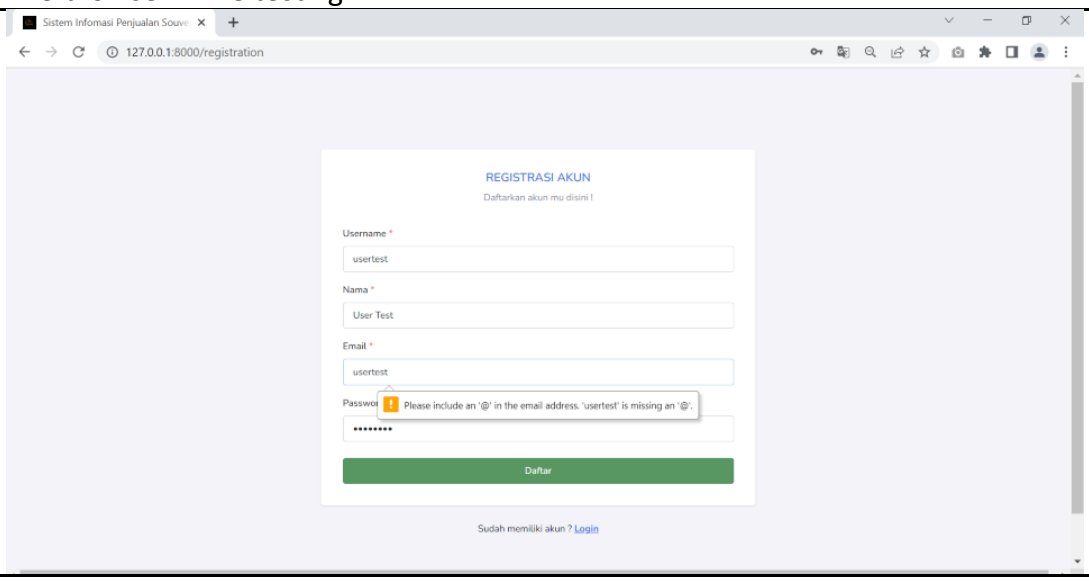
iv. The Console after Running

Finished after 0.022 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun5 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 20

username	:	usertest13
nama	:	User Test 13
email	:	usertest13
password	:	usertest13

i. The test frame for every test case

```
# -- Test Case 20
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 20
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, valid nama, invalid email and valid password$")
public void I_enter_valid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest13");
    wd.findElement(By.id("nama")).sendKeys("User Test 13");
    wd.findElement(By.id("useremail")).sendKeys("usertest13");
    wd.findElement(By.id("userpassword")).sendKeys("usertest13");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

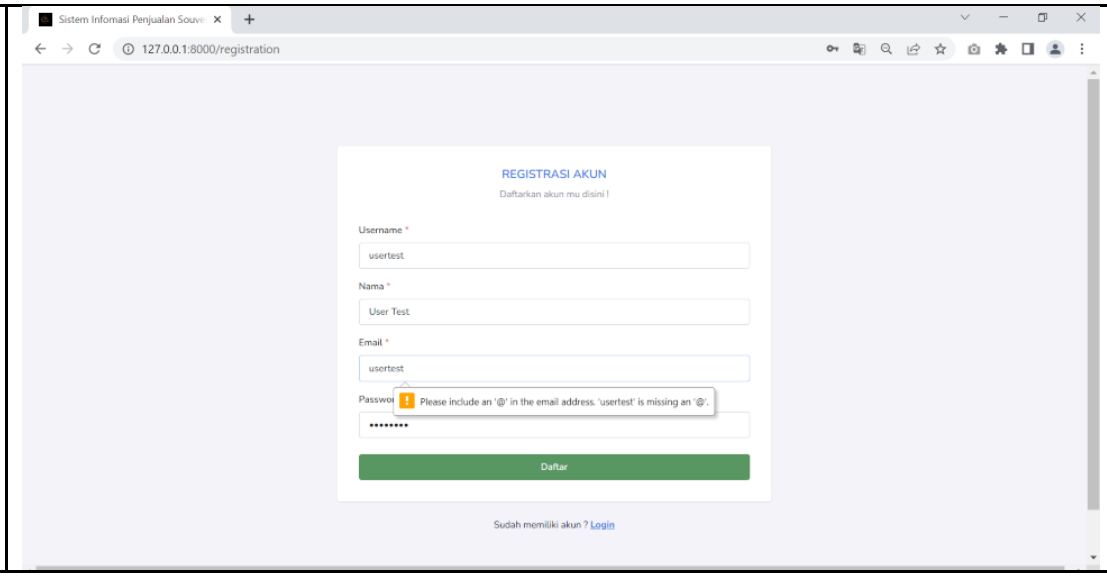
iv. The Console after Running

Finished after 0.034 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun6 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
usertest
Nama *
User Test
Email *
usertest
Passwo
Please include an '@' in the email address. 'usertest' is missing an '@'.
Daftar
Sudah memiliki akun ? Login

- Scenario 4: valid username, invalid nama, valid email and valid password [6 test case]
  - ❖ Test Case 21

username	:	usertest8
nama	:	-
email	:	usertest8@gmail.com
password	:	usertest8

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 4 valid username, invalid nama, valid email, valid password
# ==========================================================================================

# -- Test Case 21
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------//
//Scenario 4 valid username, invalid nama, valid email and valid password
//-----------------------------------------------------------------------//

    // Test Case 21
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, valid email and valid password$")
    public void I_enter_valid_username_invalid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest8");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest8@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest8");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
    }
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

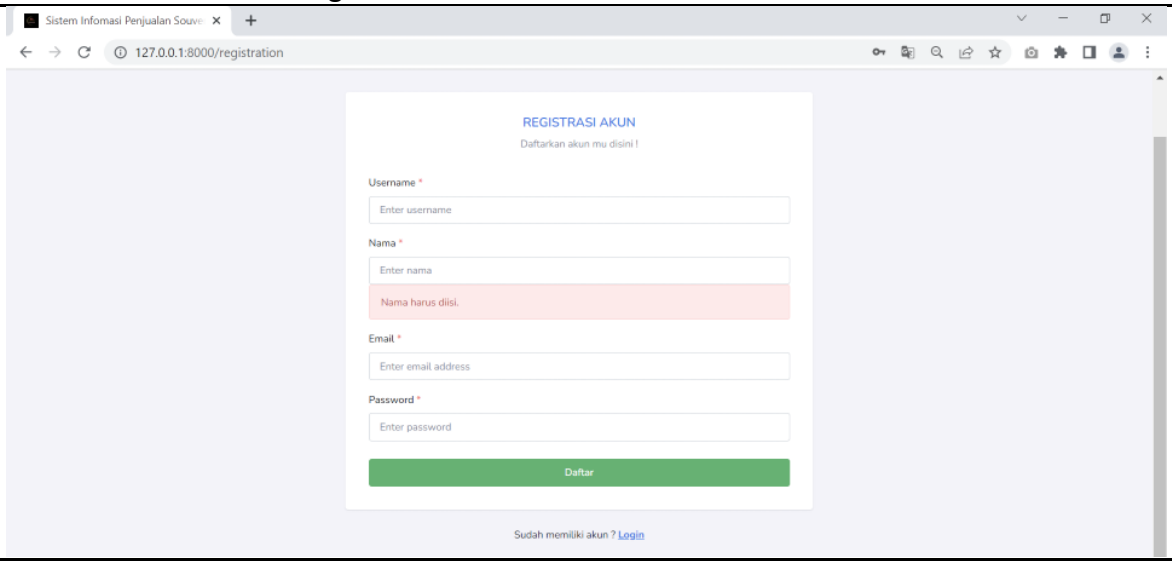
iv. The Console after Running

Finished after 0.026 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun1 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and valid password (0.000
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 22

username	:	usertest9
nama	:	-
email	:	usertest9@gmail.com
password	:	usertest9

i. The test frame for every test case

```
# -- Test Case 22
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 22
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, valid email and valid password$")
    public void I_enter_valid_username_invalid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest9");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest9@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest9");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

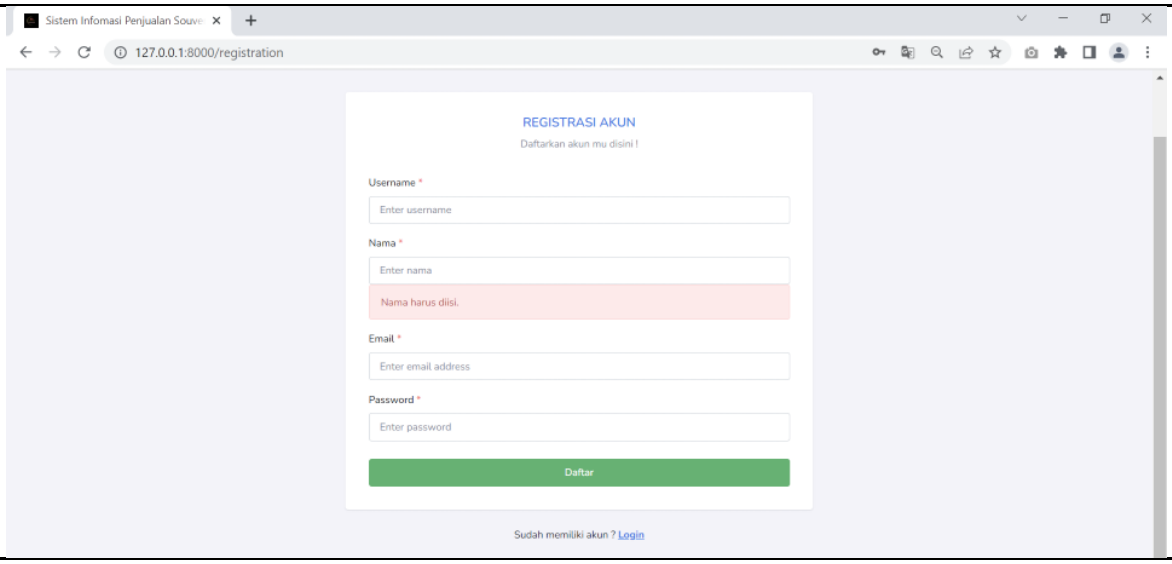
iv. The Console after Running

Finished after 0.041 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 23

username	:	usertest10
nama	:	-
email	:	usertest10@gmail.com
password	:	usertest10

i. The test frame for every test case

```
# -- Test Case 23
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 23
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, valid email and valid password$")
    public void I_enter_valid_username_invalid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest10");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest10@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest10");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

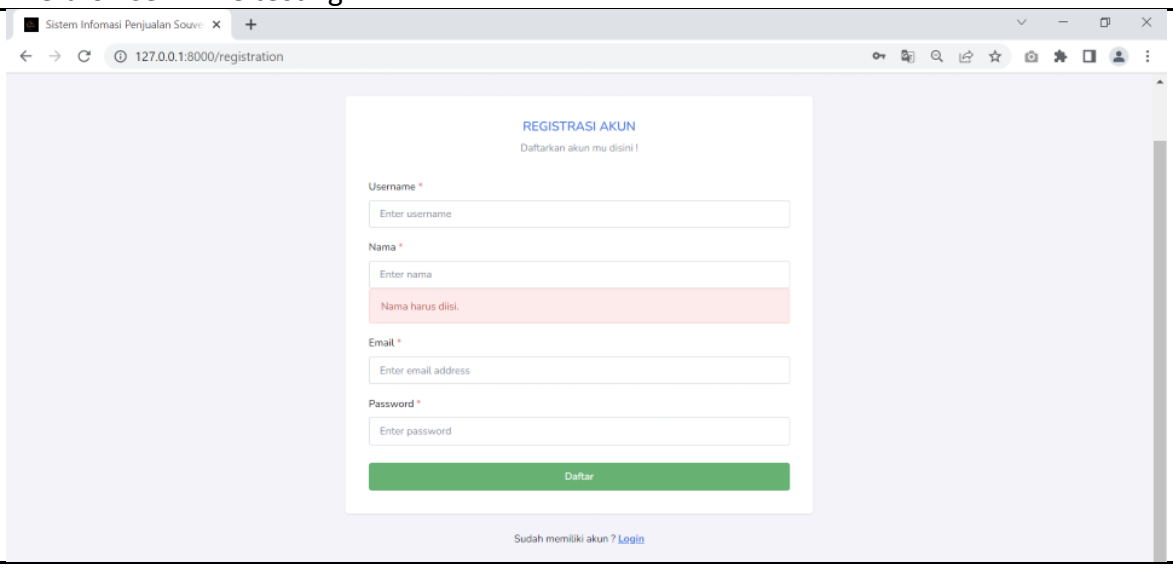
iv. The Console after Running

Finished after 0.064 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun3 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 24

username	:	usertest11
nama	:	-
email	:	usertest11@gmail.com
password	:	usertest11

i. The test frame for every test case

```
# -- Test Case 24
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 24
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, valid email and valid password$")
    public void I_enter_valid_username_invalid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest11");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest11@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest11");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

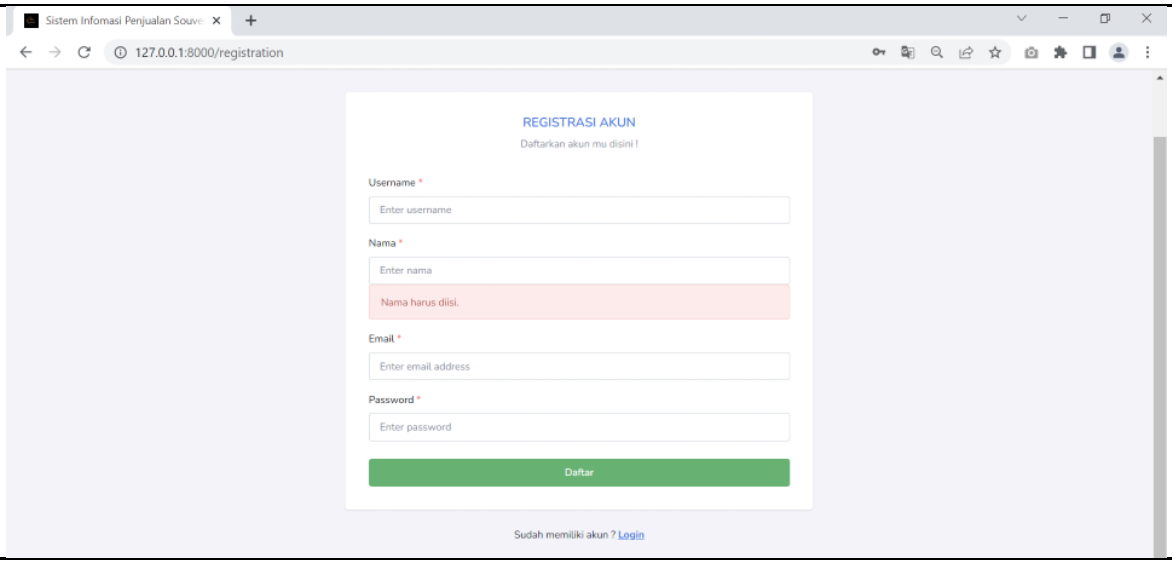
iv. The Console after Running

Finished after 0.054 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun4 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 25

username	:	usertest12
nama	:	-
email	:	usertest12@gmail.com
password	:	usertest12

i. The test frame for every test case

```
# -- Test Case 25
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 25
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, valid email and valid password$")
public void I_enter_valid_username_invalid_nama_valid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest12");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest12@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("usertest12");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

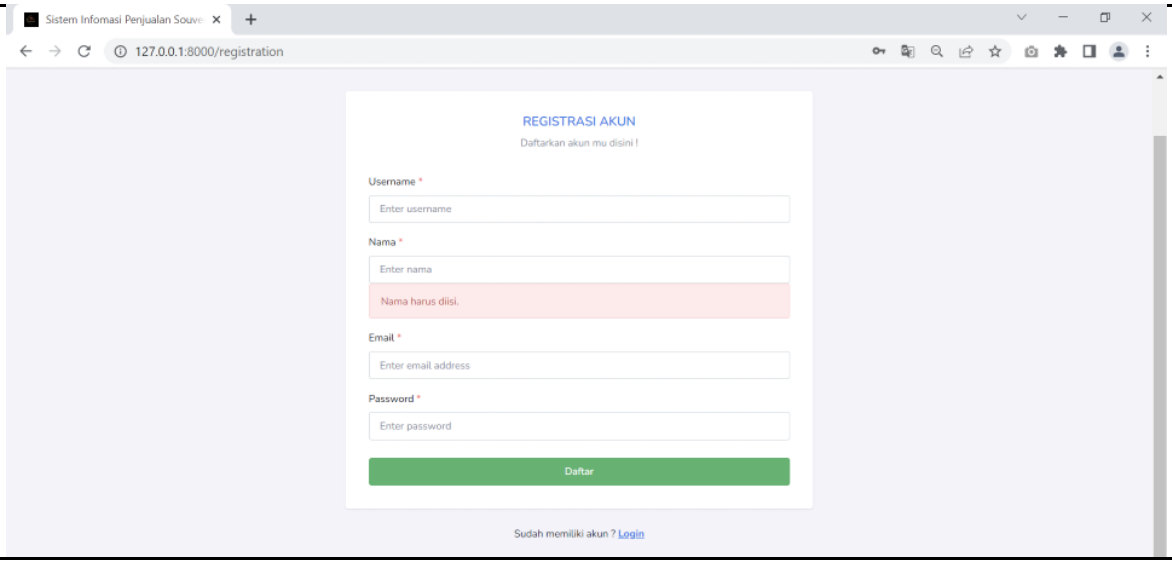
iv. The Console after Running

Finished after 0.032 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun5 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 26

username	:	usertest13
nama	:	-
email	:	usertest13@gmail.com
password	:	usertest13

i. The test frame for every test case

```
# -- Test Case 26
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 26
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, valid email and valid password$")
public void I_enter_valid_username_invalid_nama_valid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest13");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest13@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("usertest13");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

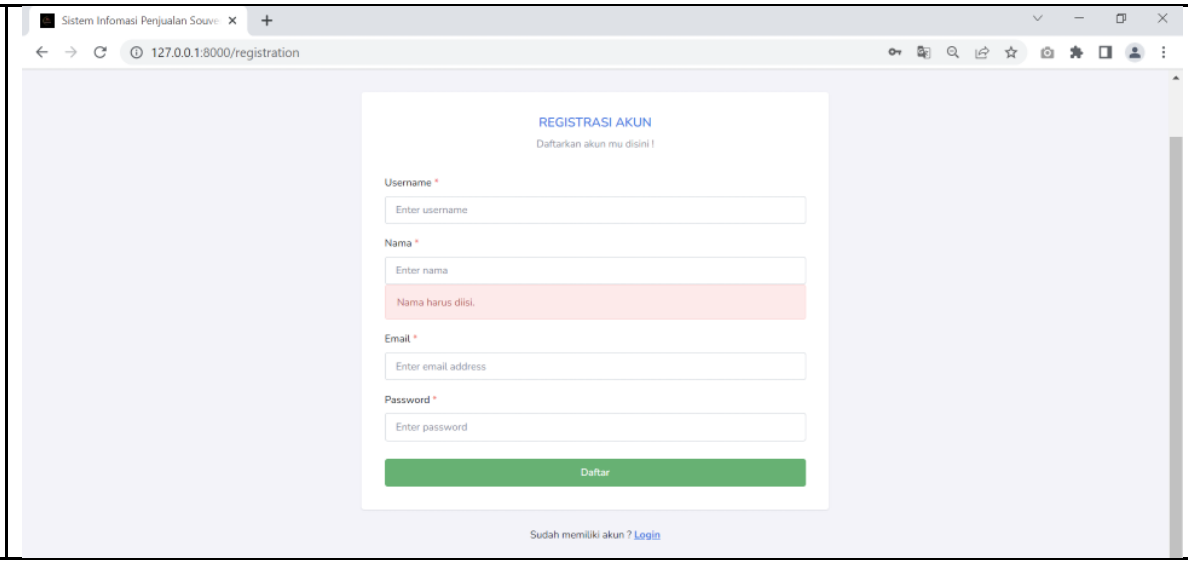
iv. The Console after Running

Finished after 0.053 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun6 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Nama *
Enter nama
Nama harus diisi.
Email *
Enter email address
Password *
Enter password
Daftar
Sudah memiliki akun ? Login

- Scenario 5: valid username, invalid nama, invalid email and valid password [6 test case]
  - ❖ Test Case 27

username	:	usertest8
nama	:	-
email	:	-
password	:	usertest8

i. The test frame for every test case

```
# ==========================================================================================================#
# Scenario 5 valid username, invalid nama, invalid email, valid password
# ==========================================================================================================#

# -- Test Case 27
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------//
// Scenario 5 valid username, invalid nama, invalid email and valid password
//-----------------------------------------------------------------------//

    // Test Case 27
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, invalid email and valid password$")
    public void I_enter_valid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest8");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("usertest8");
        throw new PendingException();
    }


    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

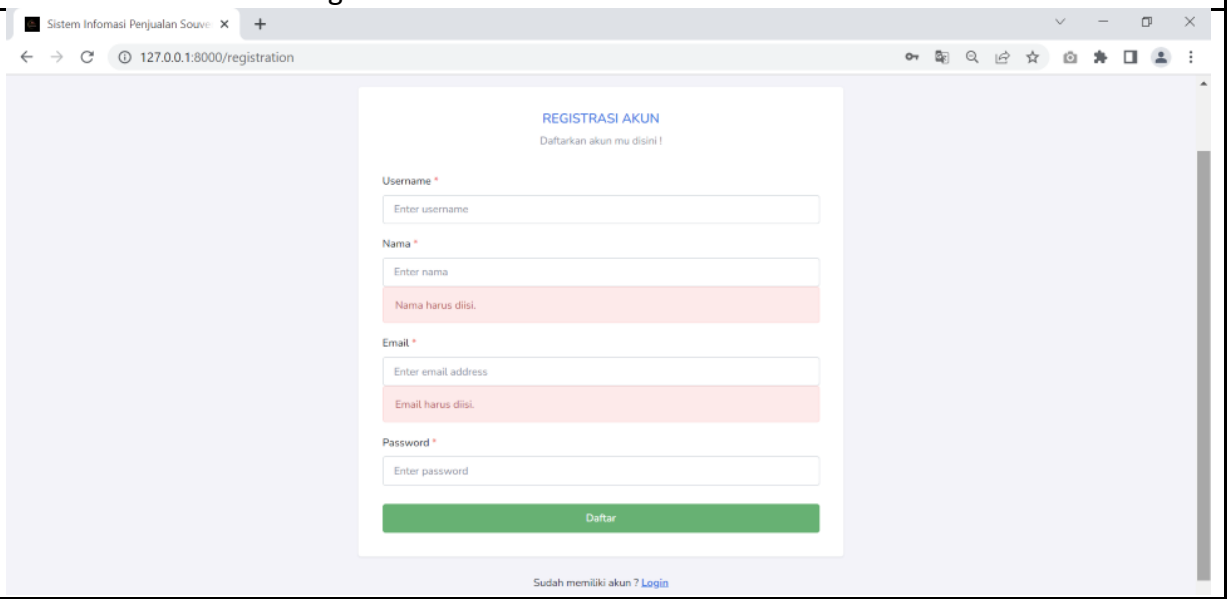
iv. The Console after Running

Finished after 0.026 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun1 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, invalid email and valid password (0.0
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 28

username	:	usertest9
nama	:	-
email	:	-
password	:	usertest9

i. The test frame for every test case

```
# -- Test Case 28
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 28
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, invalid email and valid password$")
public void I_enter_valid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest9");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest9");
    throw new PendingException();
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

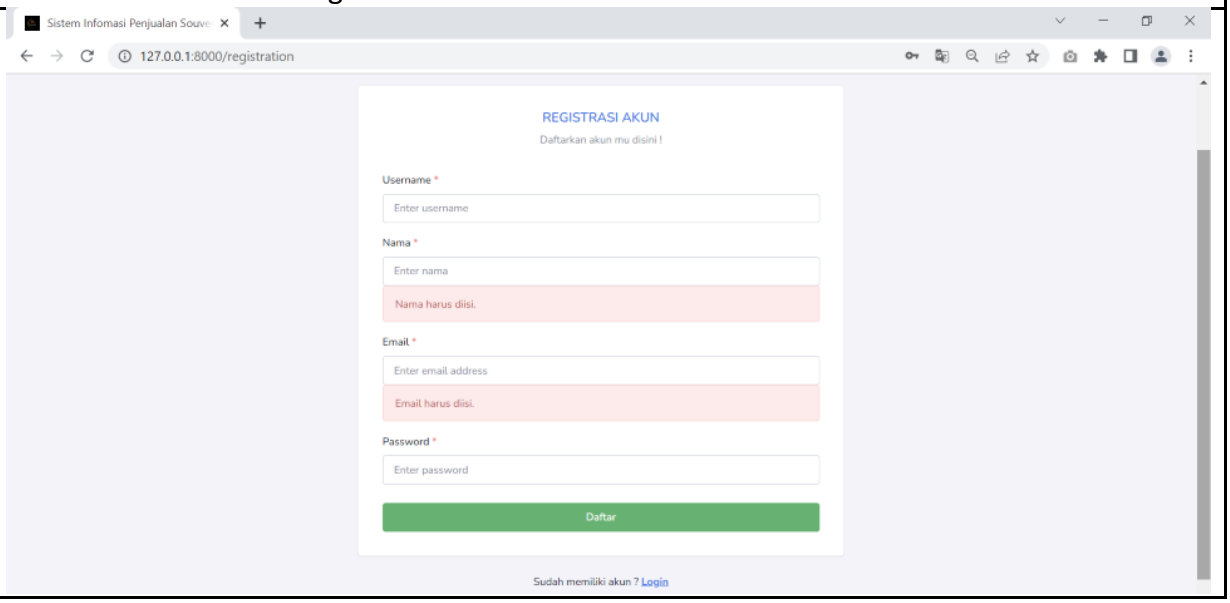
iv. The Console after Running

Finished after 0.041 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 29

username	:	usertest10
nama	:	-
email	:	-
password	:	usertest10

i. The test frame for every test case

```
# -- Test Case 29
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 29
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, invalid email and valid password$")
public void I_enter_valid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest10");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest10");
    throw new PendingException();
}


@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

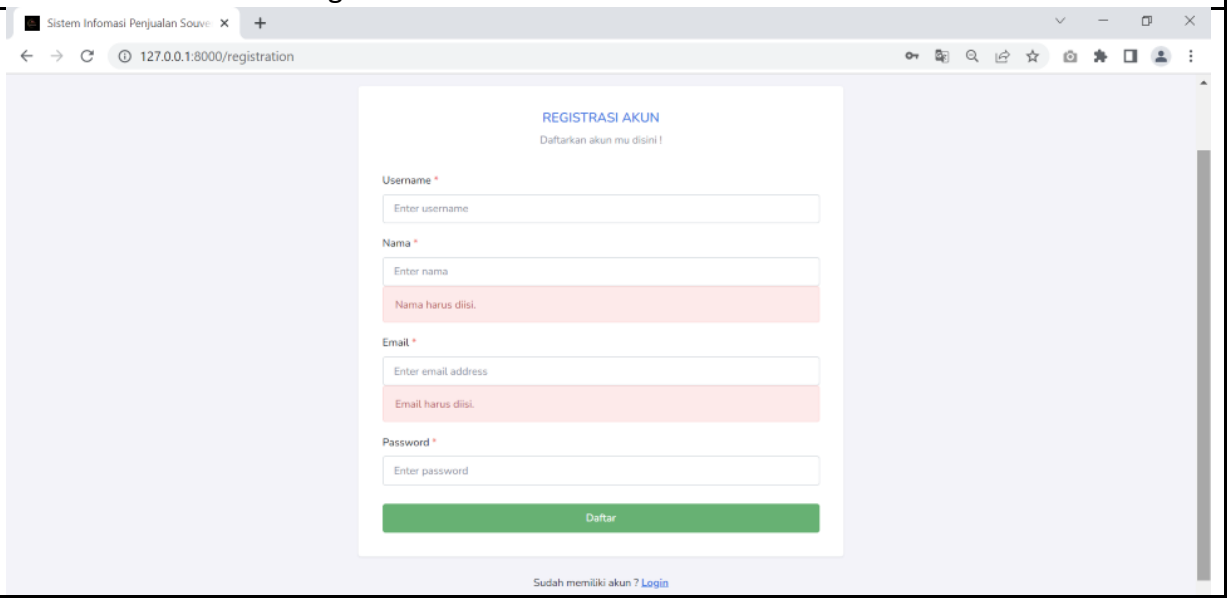
iv. The Console after Running

Finished after 0.02 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun3 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 30

username	:	usertest11
nama	:	-
email	:	-
password	:	usertest11

i. The test frame for every test case

```
# -- Test Case 30
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 30
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, invalid email and valid password$")
public void I_enter_valid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest11");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest11");
    throw new PendingException();
}


@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

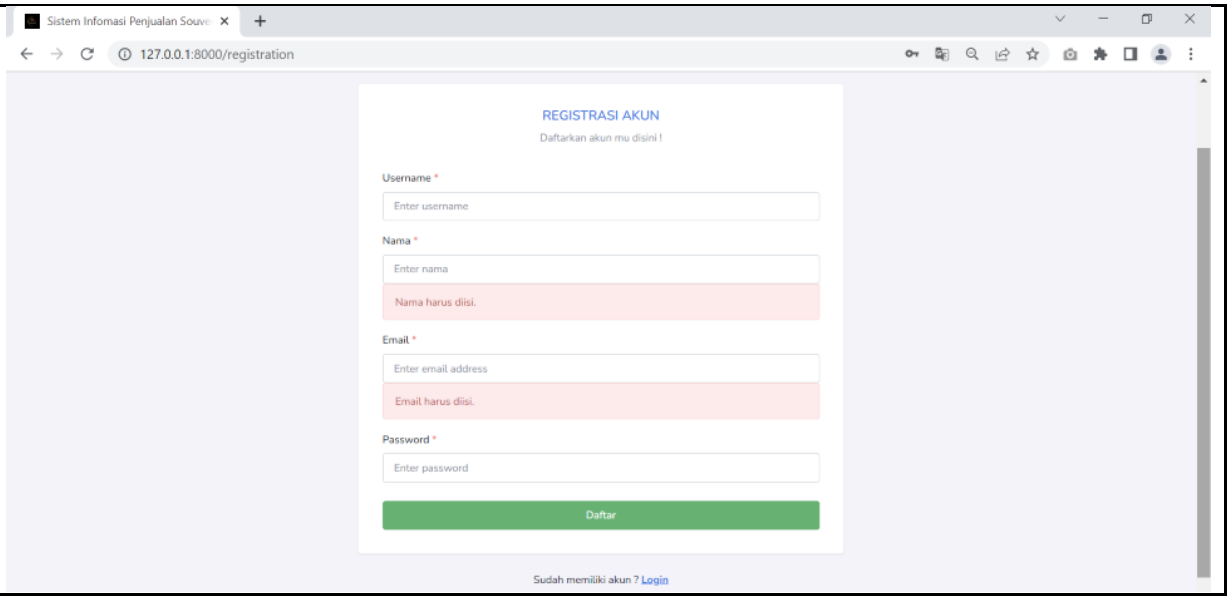
iv. The Console after Running

Finished after 0.024 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun4 (0.000 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 31

username	:	usertest12
nama	:	-
email	:	-
password	:	usertest12

i. The test frame for every test case

```
# -- Test Case 31
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 31
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, invalid email and valid password$")
public void I_enter_valid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest12");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest12");
    throw new PendingException();
}


@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10     //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11     @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

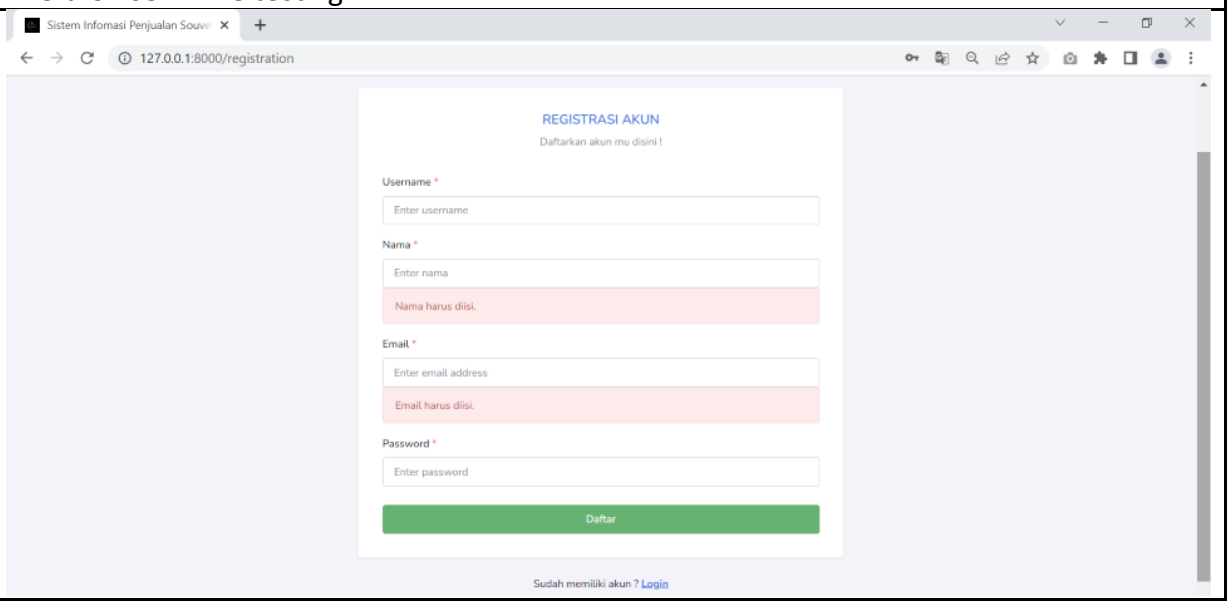
iv. The Console after Running

Finished after 0.034 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.004 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.004 s)
    - Scenario: Test Registrasi Akun5 (0.004 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 32

username	:	usertest13
nama	:	-
email	:	-
password	:	usertest13

i. The test frame for every test case

```
# -- Test Case 32
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 32
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, invalid email and valid password$")
public void I_enter_valid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest13");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest13");
    throw new PendingException();
}


@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

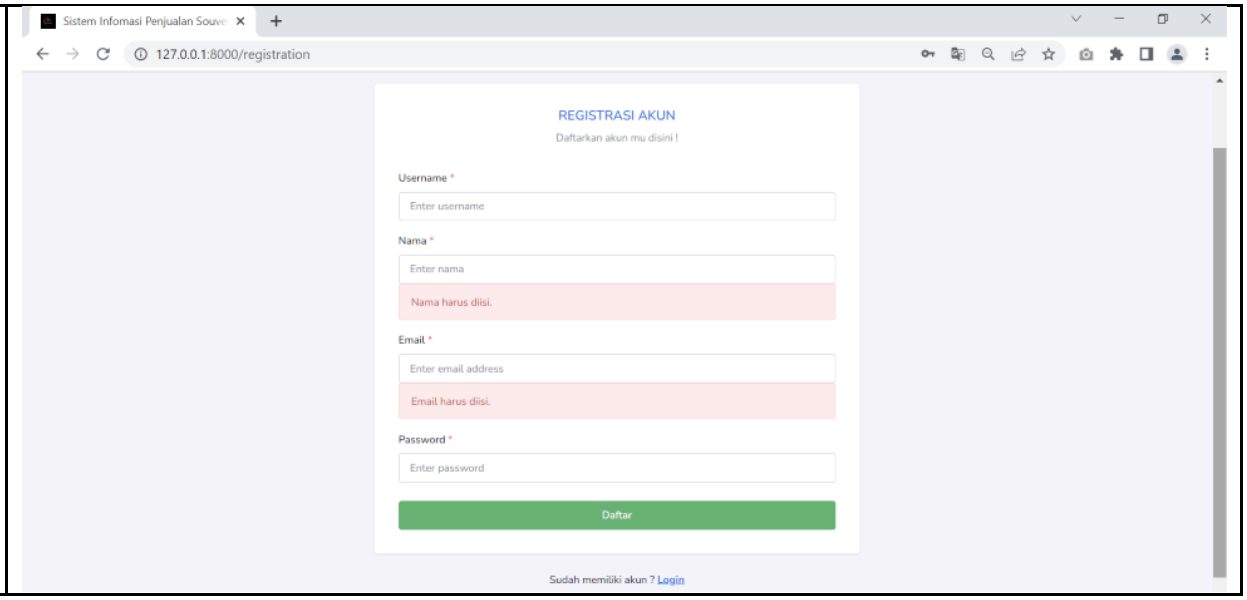
iv. The Console after Running

Finished after 0.021 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun6 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Nama *
Enter nama
Nama harus diisi.
Email *
Enter email address
Email harus diisi.
Password *
Enter password
Daftar
Sudah memiliki akun ? Login

- Scenario 6: valid username, valid nama, invalid email and invalid password [6 test case]
  - ❖ Test Case 33

username	:	usertest8
nama	:	User Test 8
email	:	-
password	:	-

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 6 valid username, valid nama, invalid email, invalid password
# ==========================================================================================

# -- Test Case 33
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------------//
// Scenario 6 valid username, valid nama, invalid email and invalid password
//-----------------------------------------------------------------------------//

    // Test Case 33
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, invalid email and invalid password$")
    public void I_enter_valid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest8");
        wd.findElement(By.id("nama")).sendKeys("User Test 8");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

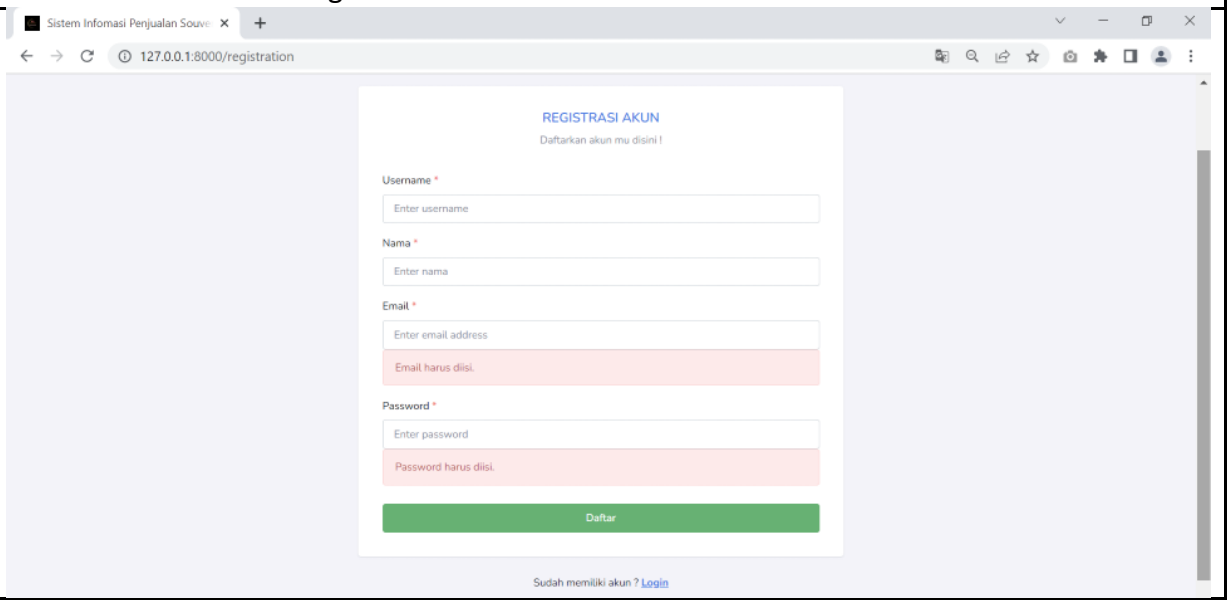
iv. The Console after Running

Finished after 0.028 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Registrasi Akun1 (0.000 s)
    - Given open chrome and start application (0.000 s)
    - When I enter valid username, valid nama, invalid email and invalid password (0.000 s)
    - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 34

username	:	usertest9
nama	:	User Test 9
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 34
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 34
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, invalid email and invalid password$")
    public void I_enter_valid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest9");
        wd.findElement(By.id("nama")).sendKeys("User Test 9");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

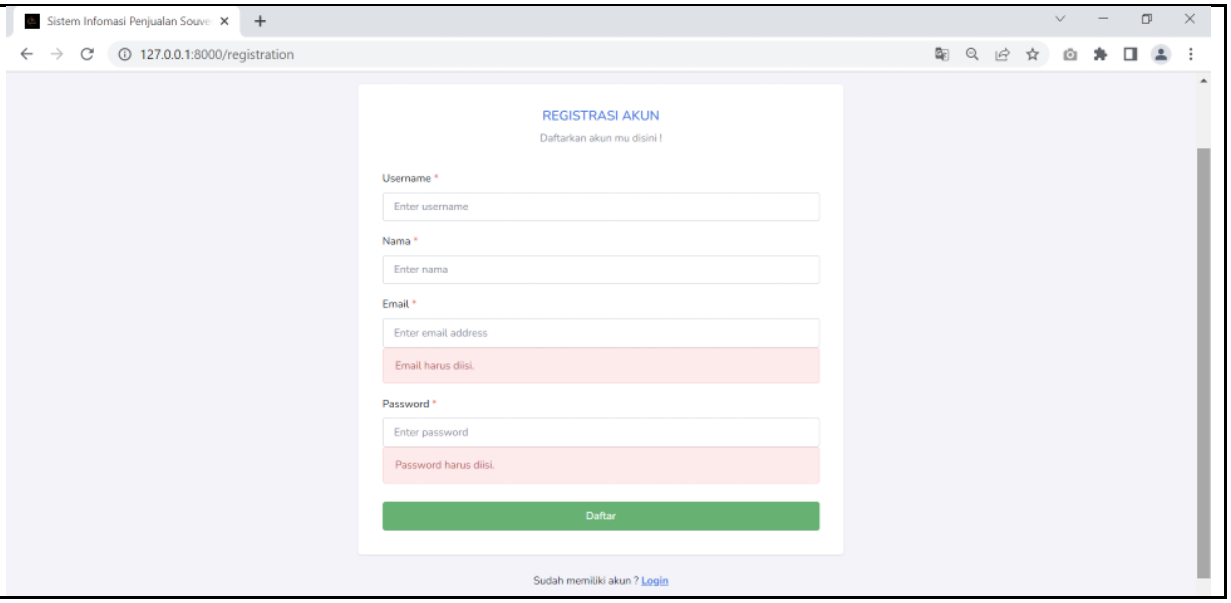
iv. The Console after Running

Finished after 0.034 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 35

username	:	usertest10
nama	:	User Test 10
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 35
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 35
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, valid nama, invalid email and invalid password$")
public void I_enter_valid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest10");
    wd.findElement(By.id("nama")).sendKeys("User Test 10");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

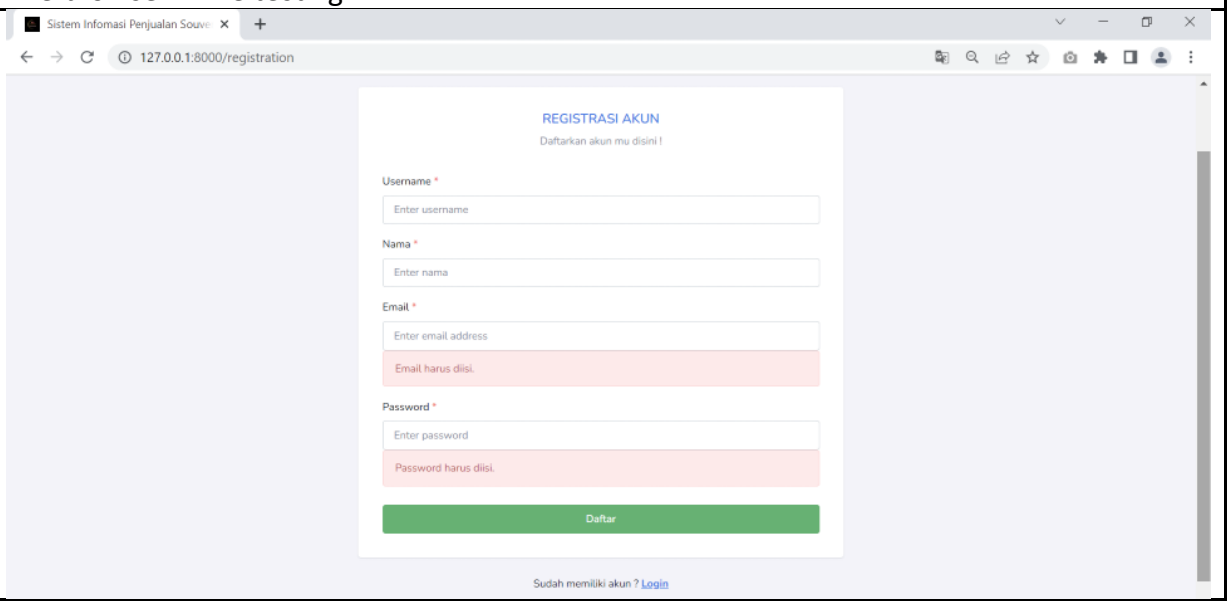
iv. The Console after Running

Finished after 0.023 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun3 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 36

username	:	usertest11
nama	:	User Test 11
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 36
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 36
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, valid nama, invalid email and invalid password$")
public void I_enter_valid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest11");
    wd.findElement(By.id("nama")).sendKeys("User Test 11");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

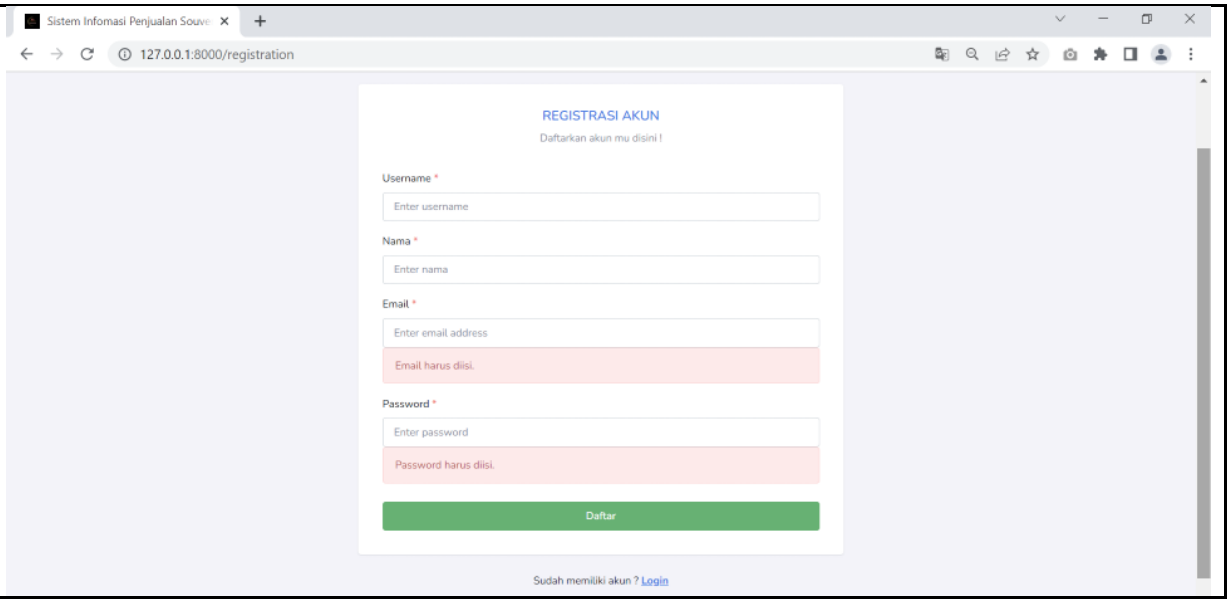
iv. The Console after Running

Finished after 0.065 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun4 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 37

username	:	usertest12
nama	:	User Test 12
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 37
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 37
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, valid nama, invalid email and invalid password$")
    public void I_enter_valid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest12");
        wd.findElement(By.id("nama")).sendKeys("User Test 12");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

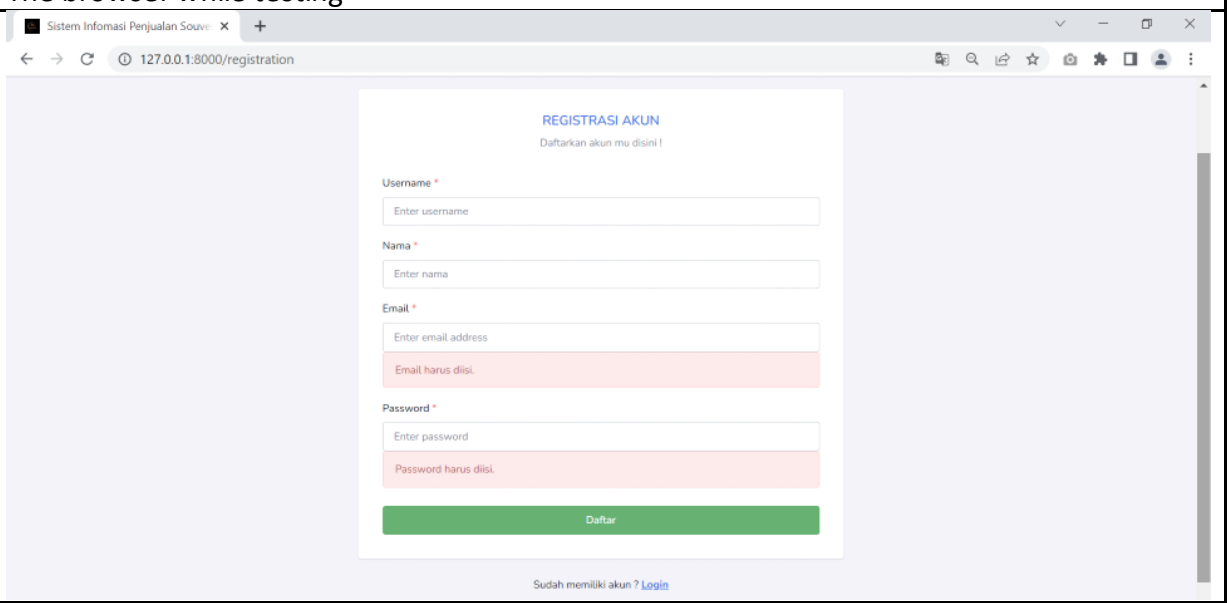
iv. The Console after Running

Finished after 0.019 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun5 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 38

username	:	usertest13
nama	:	User Test 13
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 38
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter valid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 38
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, valid nama, invalid email and invalid password$")
public void I_enter_valid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest13");
    wd.findElement(By.id("nama")).sendKeys("User Test 13");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

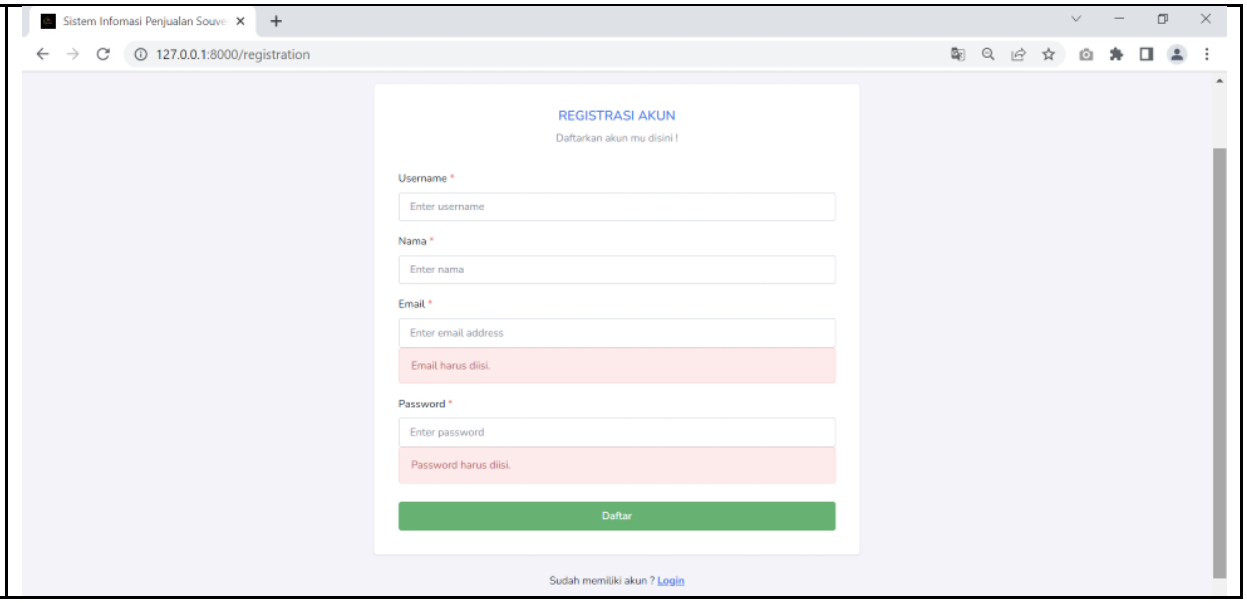
iv. The Console after Running

Finished after 0.051 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun6 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Nama *
Enter nama
Email *
Enter email address
Email harus diisi.
Password *
Enter password
Password harus diisi.
Daftar
Sudah memiliki akun ? Login

- Scenario 7: valid username, invalid nama, valid email and invalid password [6 test case]
  - ❖ Test Case 39

username	:	usertest8
nama	:	-
email	:	usertest8@gmail.com
password	:	-

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 7 valid username, invalid nama, valid email, invalid password
# ==========================================================================================

# -- Test Case 39
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------//
//Scenario 7 valid username, invalid nama, valid email and invalid password
//-----------------------------------------------------------------------//

    // Test Case 39
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, valid email and invalid password$")
    public void I_enter_valid_username_invalid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest8");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest8@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

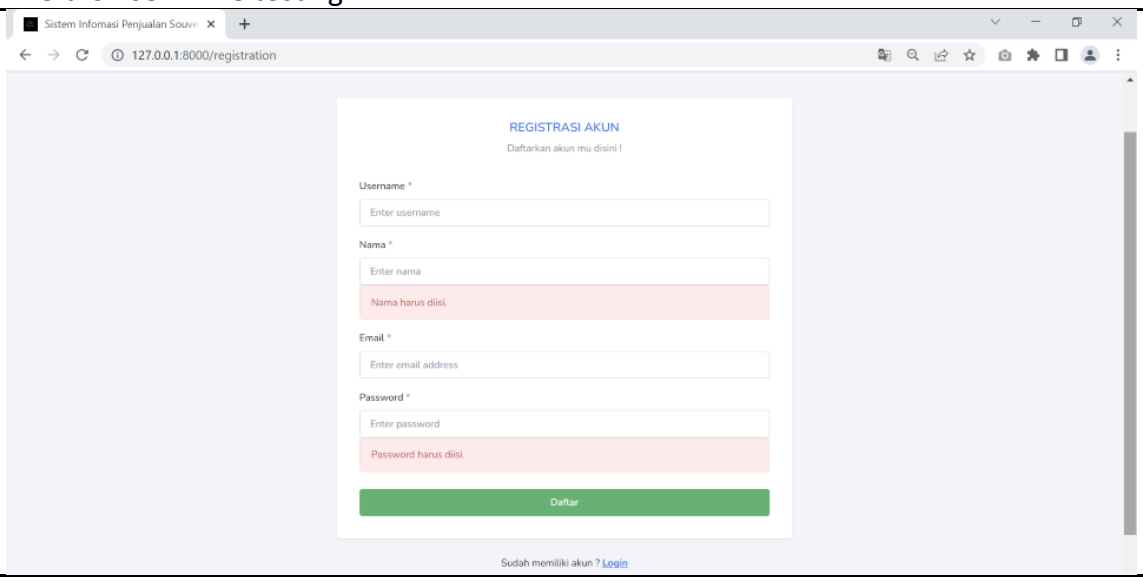
iv. The Console after Running

Finished after 0.047 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun1 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and invalid password (0.001 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 40

username	:	usertest9
nama	:	-
email	:	usertest9@gmail.com
password	:	-

i. The test frame for every test case

```
# -- Test Case 40
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 40
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, valid email and invalid password$")
    public void I_enter_valid_username_invalid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest9");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest9@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

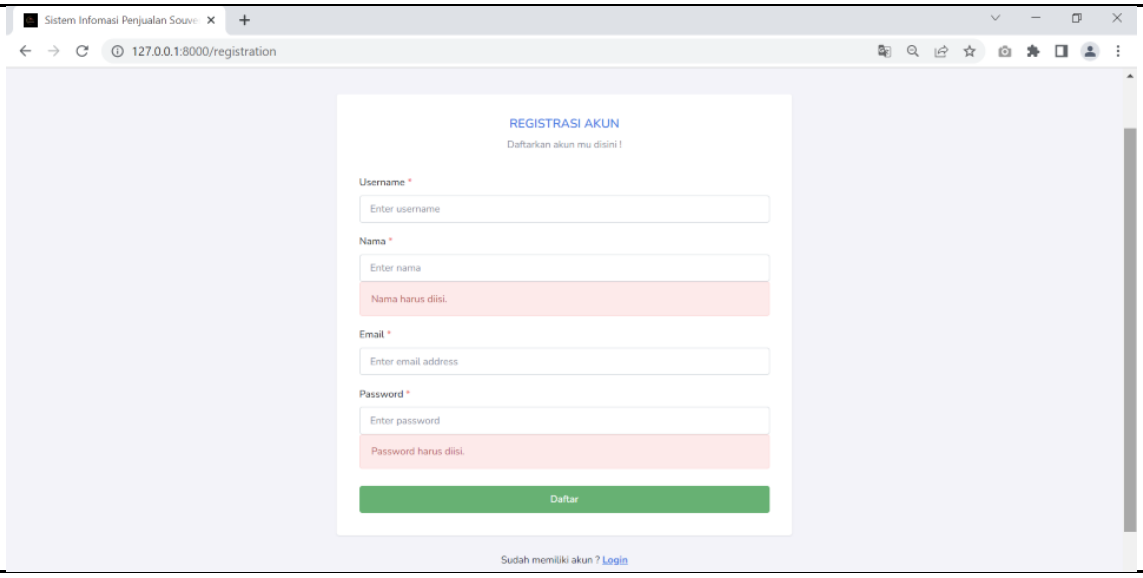
iv. The Console after Running

Finished after 0.04 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 41

username	:	usertest10
nama	:	-
email	:	usertest10@gmail.com
password	:	-

i. The test frame for every test case

```
# -- Test Case 41
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 41
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, valid email and invalid password$")
    public void I_enter_valid_username_invalid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest10");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest10@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

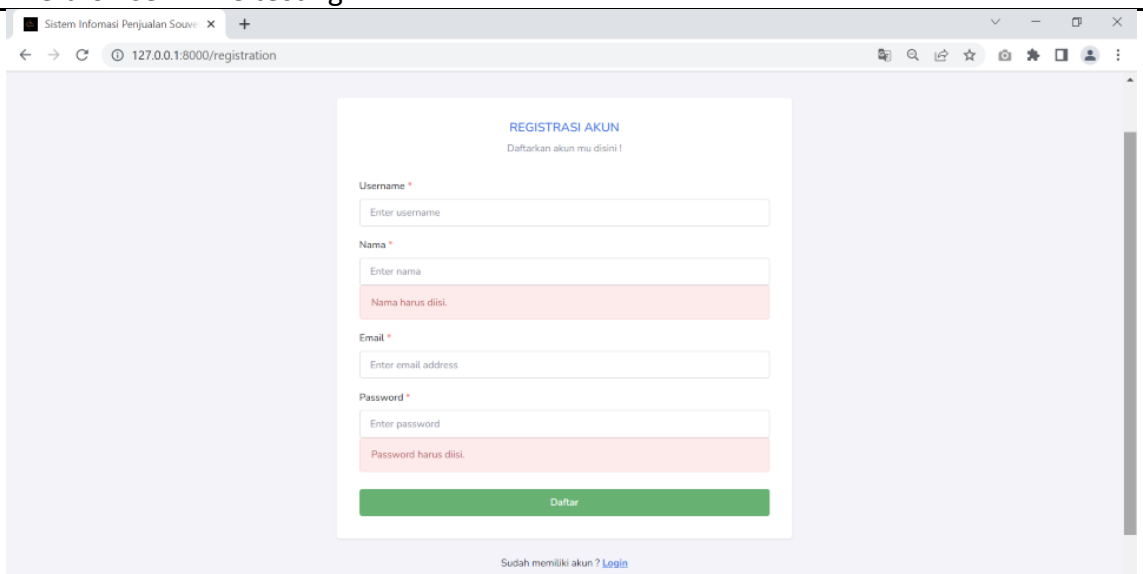
iv. The Console after Running

Finished after 0.03 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun3 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 42

username	:	usertest11
nama	:	-
email	:	usertest11@gmail.com
password	:	-

i. The test frame for every test case

```
# -- Test Case 42
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 42
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, valid email and invalid password$")
    public void I_enter_valid_username_invalid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest11");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest11@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

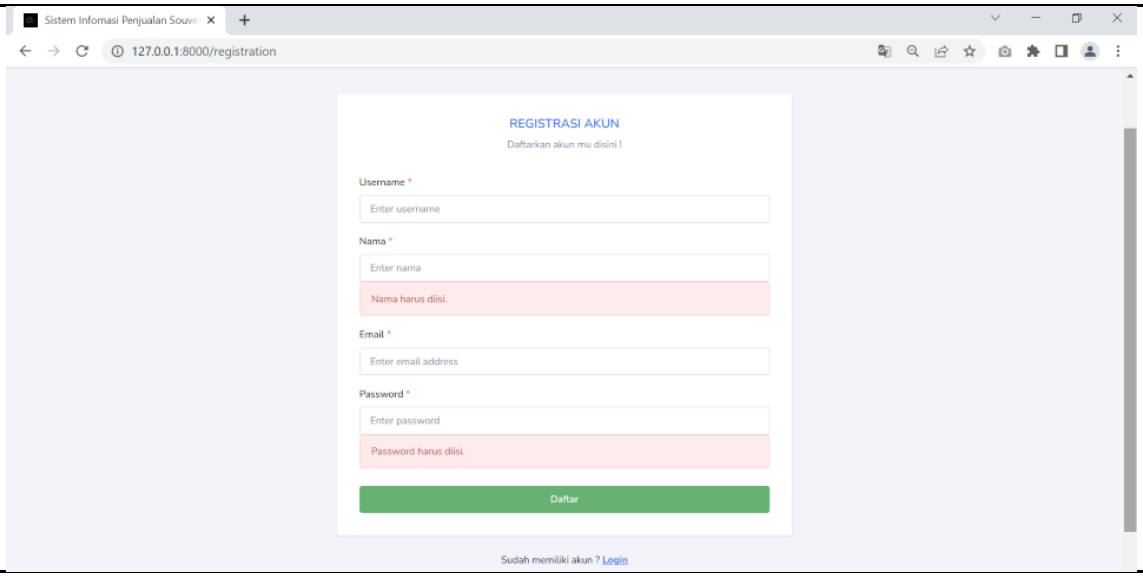
iv. The Console after Running

Finished after 0.048 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun4 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 43

username	:	usertest12
nama	:	-
email	:	usertest12@gmail.com
password	:	-

i. The test frame for every test case

```
# -- Test Case 43
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 43
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, valid email and invalid password$")
public void I_enter_valid_username_invalid_nama_valid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest12");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest12@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

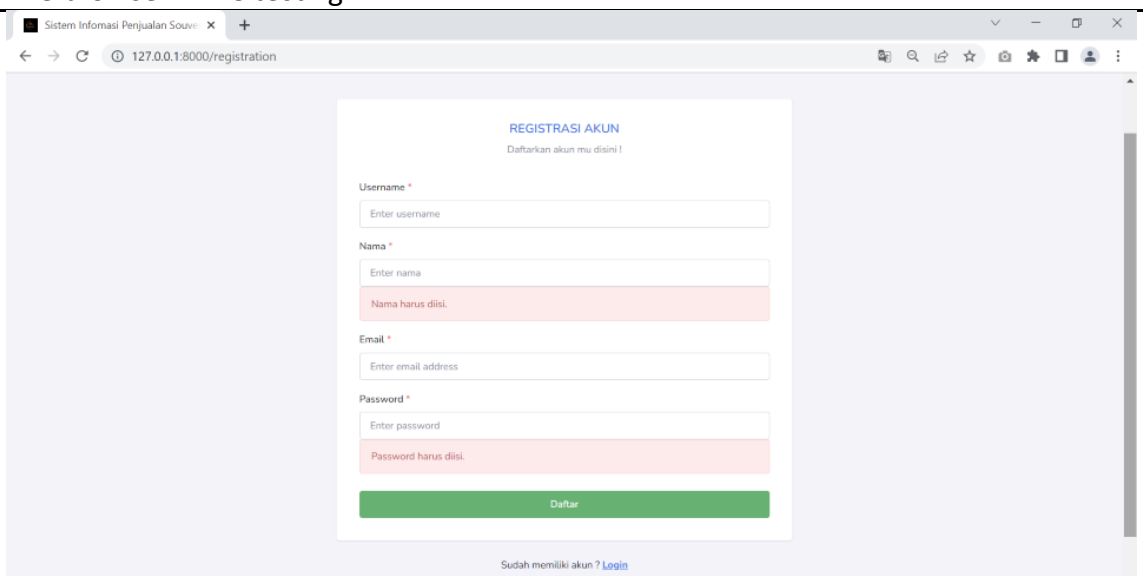
iv. The Console after Running

Finished after 0.026 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun5 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 44

username	:	usertest13
nama	:	-
email	:	usertest13@gmail.com
password	:	-

i. The test frame for every test case

```
# -- Test Case 44
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter valid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 44
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, valid email and invalid password$")
public void I_enter_valid_username_invalid_nama_valid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest13");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest13@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

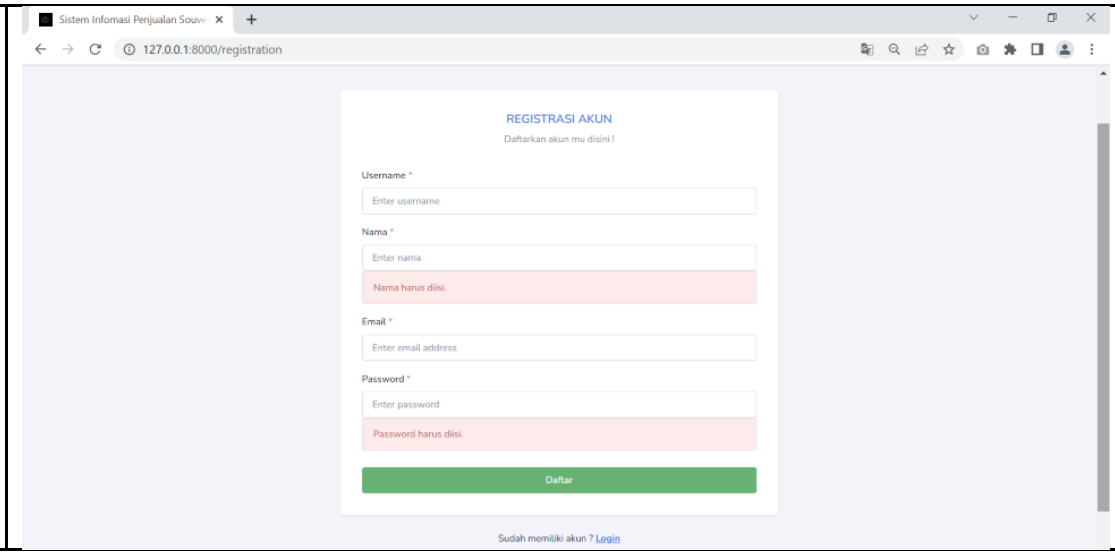
iv. The Console after Running

Finished after 0.077 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun6 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Nama *
Enter nama
Nama harus diisi.
Email *
Enter email address
Password *
Enter password
Password harus diisi.
Daftar
Sudah memiliki akun ? Login

- Scenario 8: valid username, invalid nama, invalid email and invalid password [6 test case]
  - ❖ Test Case 45

username	:	usertest8
nama	:	-
email	:	-
password	:	-

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 8 valid username, invalid nama, invalid email, invalid password
# ==========================================================================================

# -- Test Case 45
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------//
//Scenario 8 valid username, invalid nama, invalid email and invalid password
//-----------------------------------------------------------------------//

    // Test Case 45
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, invalid email and invalid password$")
    public void I_enter_valid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest8");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

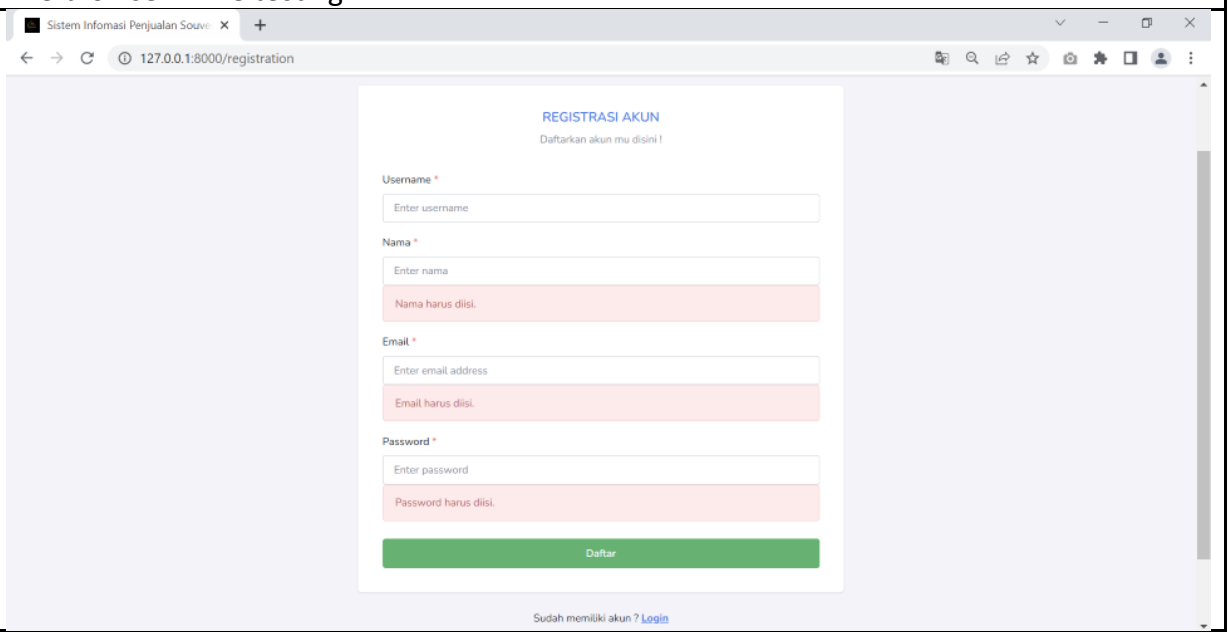
iv. The Console after Running

Finished after 0.029 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Registrasi Akun1 (0.000 s)
    - Given open chrome and start application (0.000 s)
    - When I enter valid username, invalid nama, invalid email and invalid password (0.000 s)
    - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 46

username	:	usertest9
nama	:	-
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 46
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 46
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter valid username, invalid nama, invalid email and invalid password$")
    public void I_enter_valid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usertest9");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

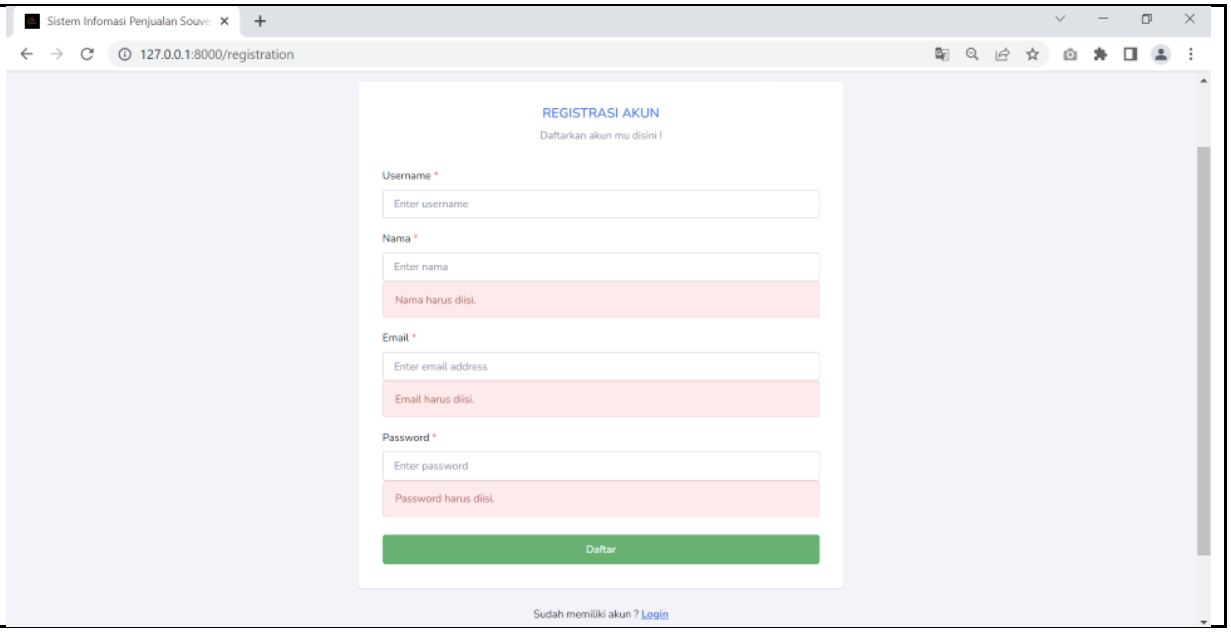
iv. The Console after Running

Finished after 0.053 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun2 (0.002 s)
      - Given open chrome and start application (0.002 s)
      - When I enter valid username, invalid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 47

username	:	usertest10
nama	:	-
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 47
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 47
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, invalid email and invalid password$")
public void I_enter_valid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest10");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

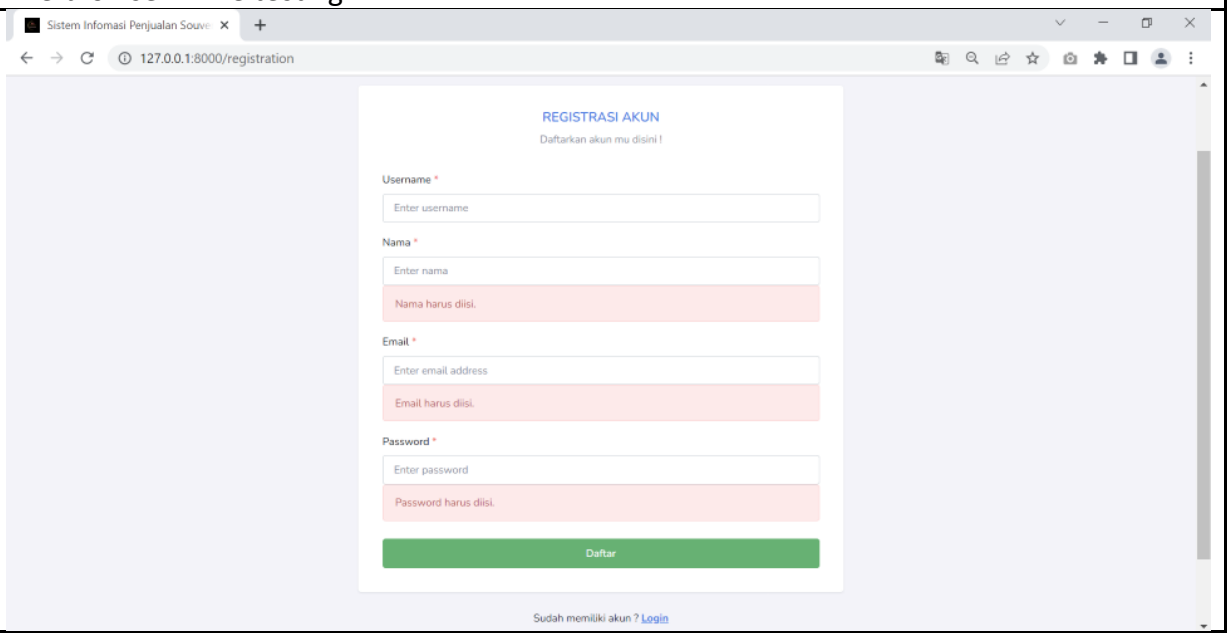
iv. The Console after Running

Finished after 0.081 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun3 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, invalid email and invalid password (0.001 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 48

username	:	usertest11
nama	:	-
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 48
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 48
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, invalid email and invalid password$")
public void I_enter_valid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest11");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

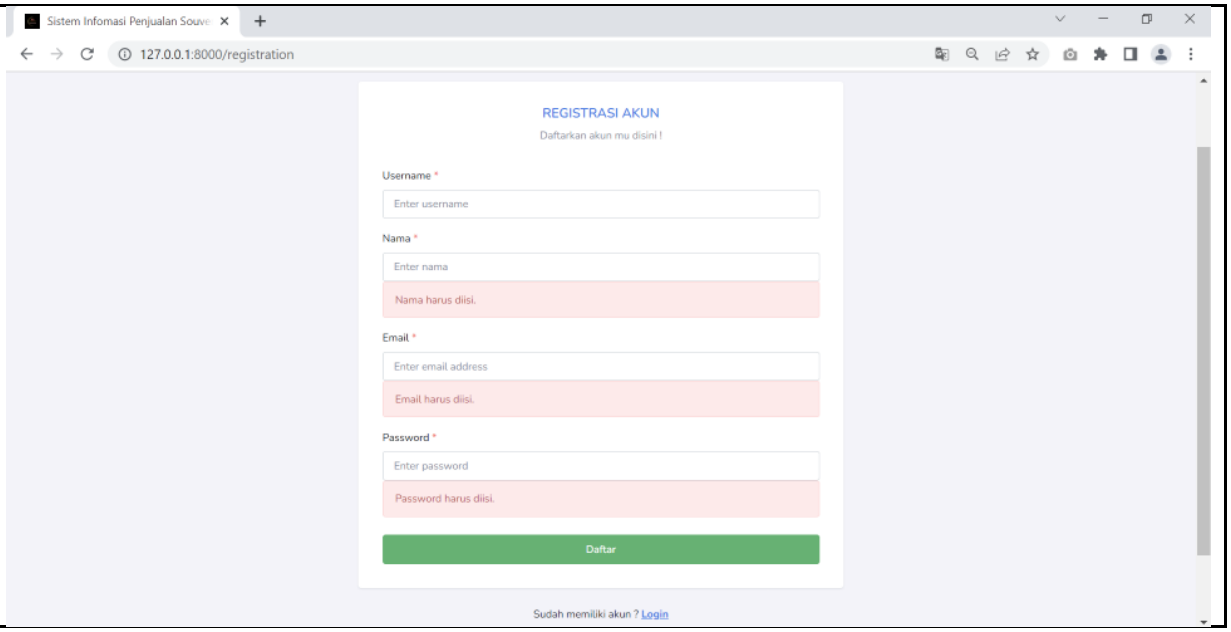
iv. The Console after Running

Finished after 0.123 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test Registrasi Akun4 (0.002 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username, invalid nama, invalid email and invalid password (0.001 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 49

username	:	usertest12
nama	:	-
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 49
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 49
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, invalid email and invalid password$")
public void I_enter_valid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest12");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

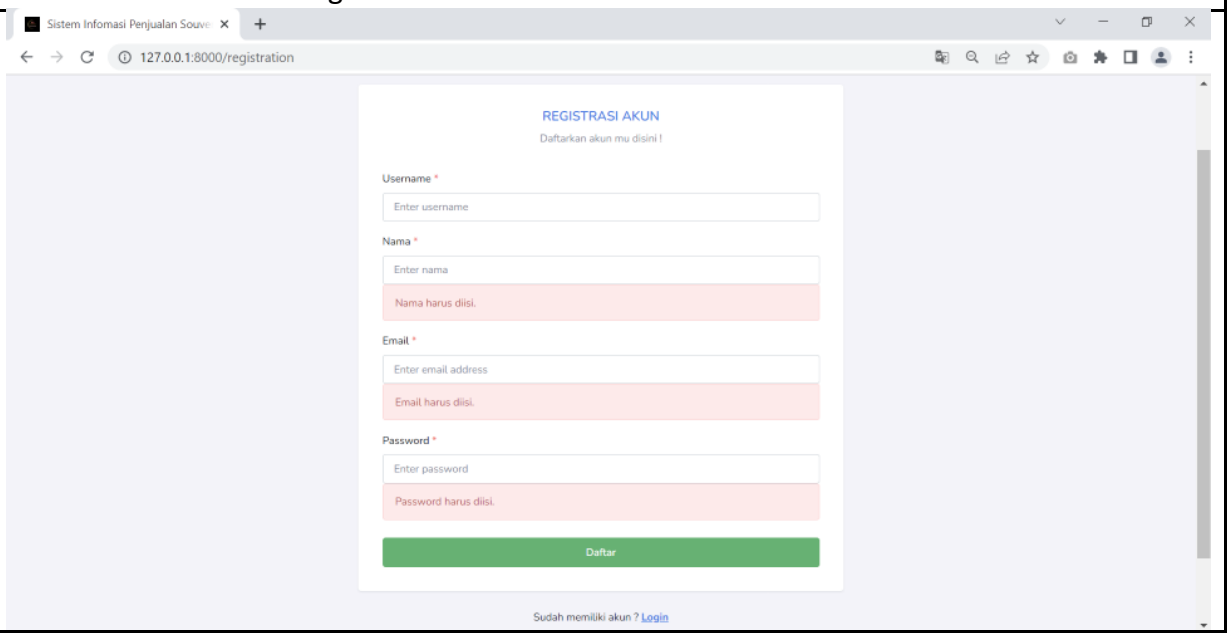
iv. The Console after Running

Finished after 0.068 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun5 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username, invalid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 50

username	:	usertest13
nama	:	-
email	:	-
password	:	-

i. The test frame for every test case

```
# -- Test Case 50
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter valid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 50
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter valid username, invalid nama, invalid email and invalid password$")
public void I_enter_valid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("usertest13");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

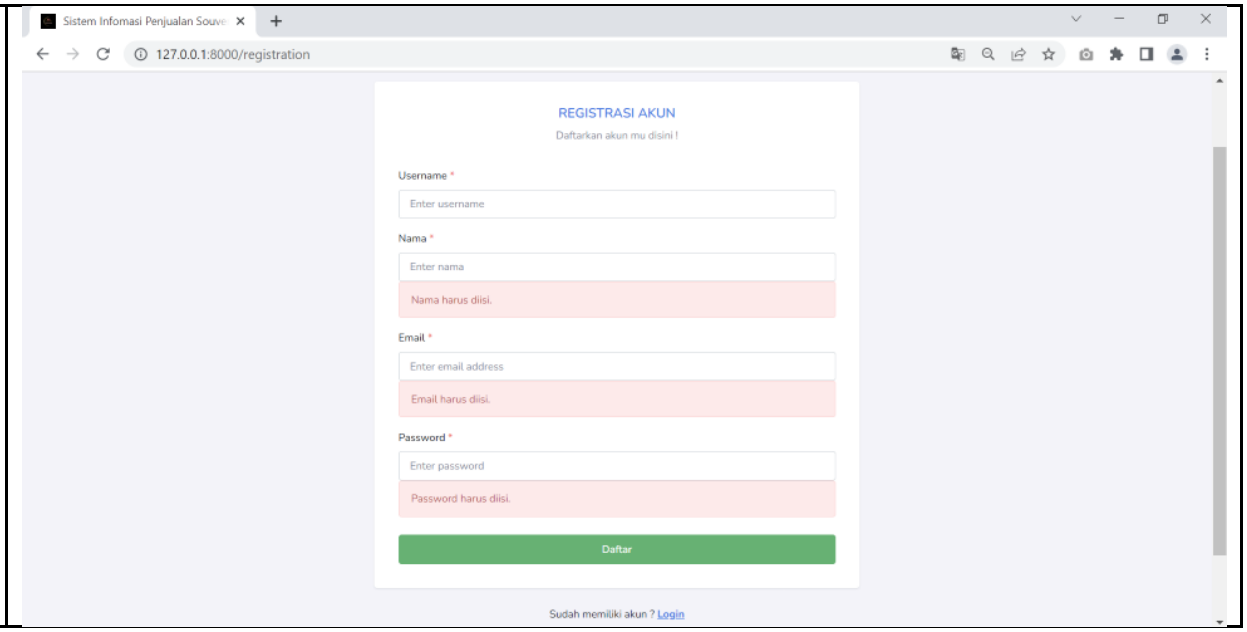
iv. The Console after Running

Finished after 0.046 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun6 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username, invalid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Nama *
Enter nama
Nama harus diisi.
Email *
Enter email address
Email harus diisi.
Password *
Enter password
Password harus diisi.
Daftar
Sudah memiliki akun ? Login

- Scenario 9: invalid username, valid nama, valid email and valid password [6 test case]
  - ❖ Test Case 51

username	:	akuncoba1
nama	:	User Test 8
email	:	usertest8@gmail.com
password	:	usertest8

i. The test frame for every test case

```
339 # ==========================================================================================#
340 # Scenario 9 invalid username, valid nama, valid email, valid password
341 # ==========================================================================================#
342
343 # -- Test Case 51
344 Scenario: Test Registrasi Akun1
345     Given open chrome and start application
346     When I enter invalid username, valid nama, valid email and valid password
347     Then I cannot successfully registered an account
```

ii. The step definition

```
1399 //-----------------------------------------------------------------------//
1400 //Scenario 9 invalid username, valid nama, valid email and valid password
1401 //-----------------------------------------------------------------------//
1402
1403     // Test Case 51
1404     public class RegistrasiAkun {
1405     WebDriver wd;
1406
1407     @Given("^open chrome and start application$")
1408     public void open_chrome_and_start_application() throws Throwable {
1409         System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
1410         WebDriver wd = new ChromeDriver();
1411         wd.get("http://127.0.0.1:8000/registration");
1412     }
1413
1414     @When("^I enter invalid username, valid nama, valid email and valid password$")
1415     public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
1416         wd.findElement(By.id("username")).sendKeys("akuncoba1");
1417         wd.findElement(By.id("nama")).sendKeys("User Test 8");
1418         wd.findElement(By.id("useremail")).sendKeys("usertest8@gmail.com");
1419         wd.findElement(By.id("userpassword")).sendKeys("usertest8");
1420         throw new PendingException();
1421     }
1422
1423     @Then("^I cannot successfully registered an account$")
1424     public void I_cannot_successfully_registered_an_account() throws Throwable {
1425         wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
1426         throw new PendingException();
1427     }
1428 }
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10     //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11     @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

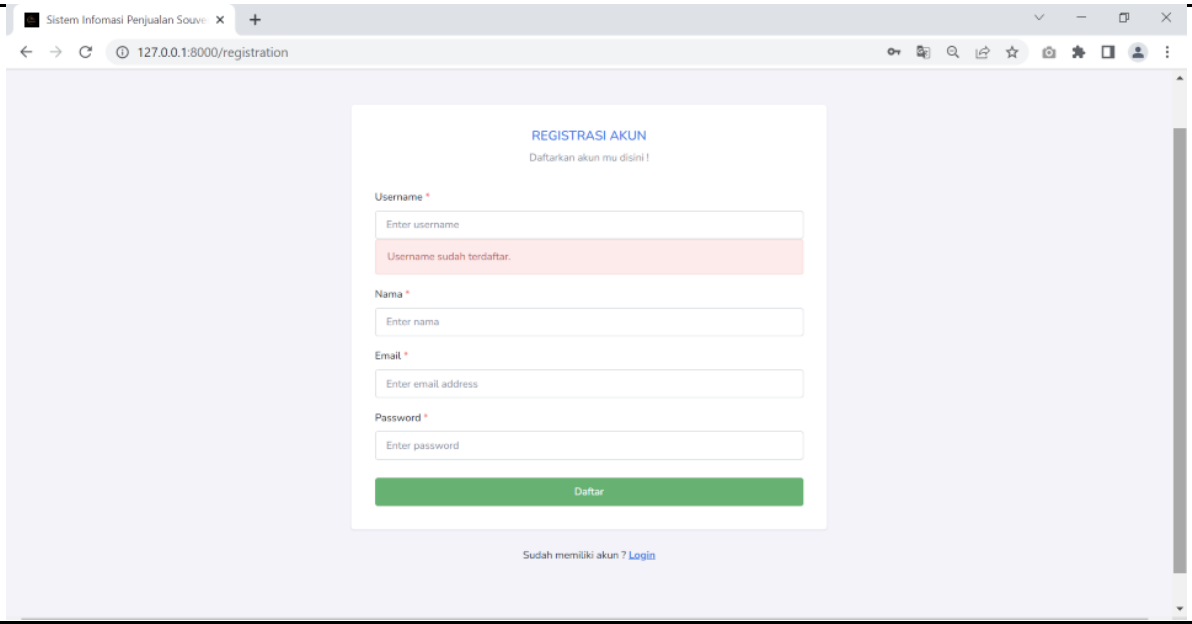
iv. The Console after Running

Finished after 0.041 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Registrasi Akun1 (0.000 s)
    - Given open chrome and start application (0.000 s)
    - When I enter invalid username, valid nama, valid email and valid password (0.000 s)
    - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 52

username	:	akuncoba2
nama	:	User Test 9
email	:	usertest9@gmail.com
password	:	usertest9

i. The test frame for every test case

```
# -- Test Case 52
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 52
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and valid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba2");
        wd.findElement(By.id("nama")).sendKeys("User Test 9");
        wd.findElement(By.id("useremail")).sendKeys("usertest9@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest9");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

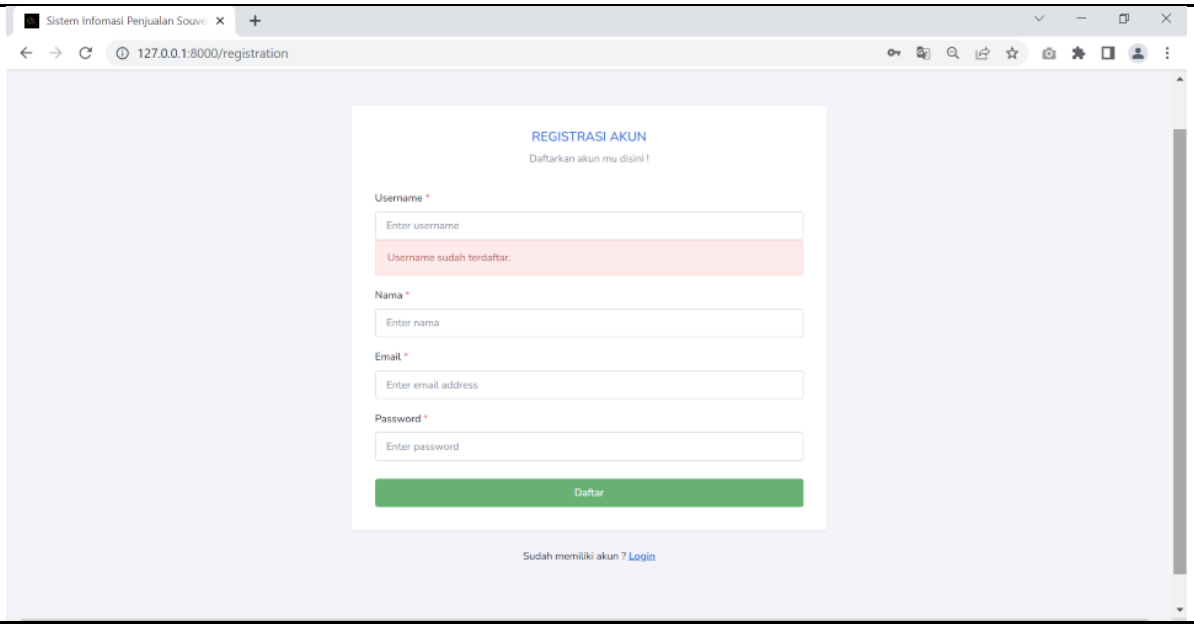
iv. The Console after Running

Finished after 0.035 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 53

username	:	akuncoba3
nama	:	User Test 10
email	:	usertest10@gmail.com
password	:	usertest10

i. The test frame for every test case

```
# -- Test Case 53
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 53
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and valid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba3");
        wd.findElement(By.id("nama")).sendKeys("User Test 10");
        wd.findElement(By.id("useremail")).sendKeys("usertest10@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest10");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

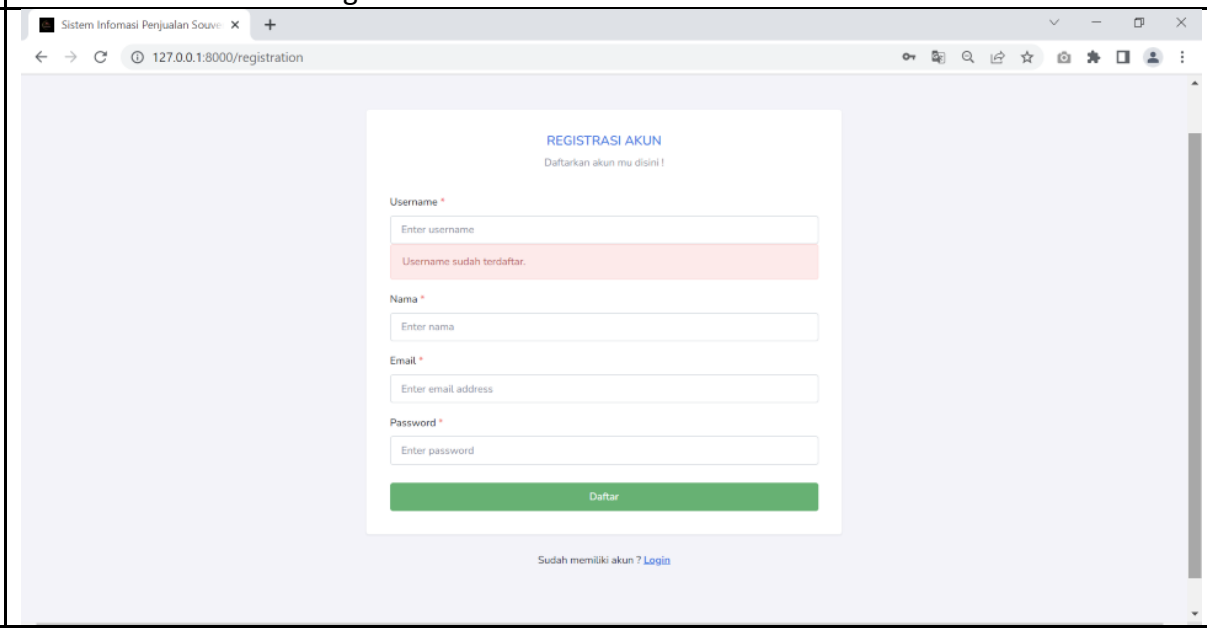
iv. The Console after Running

Finished after 0.098 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.020 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.020 s)
    - Scenario: Test Registrasi Akun3 (0.021 s)
      - Given open chrome and start application (0.001 s)
      - When I enter invalid username, valid nama, valid email and valid password (0.002 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 54

username	:	akuncoba4
nama	:	User Test 11
email	:	usertest11@gmail.com
password	:	usertest11

i. The test frame for every test case

```
# -- Test Case 54
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 54
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, valid email and valid password$")
public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba4");
    wd.findElement(By.id("nama")).sendKeys("User Test 11");
    wd.findElement(By.id("useremail")).sendKeys("usertest11@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("usertest11");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

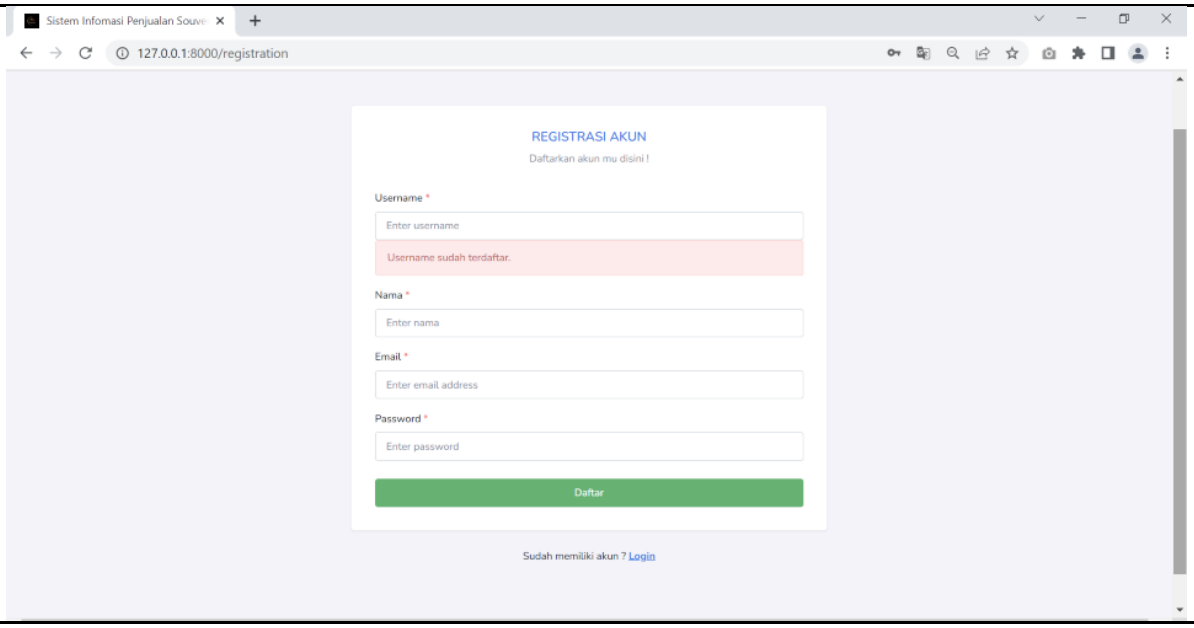
iv. The Console after Running

Finished after 0.093 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun4 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 55

username	:	akuncoba5
nama	:	User Test 12
email	:	usertest12@gmail.com
password	:	usertest12

i. The test frame for every test case

```
# -- Test Case 55
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 55
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, valid email and valid password$")
public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba5");
    wd.findElement(By.id("nama")).sendKeys("User Test 12");
    wd.findElement(By.id("useremail")).sendKeys("usertest12@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("usertest12");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

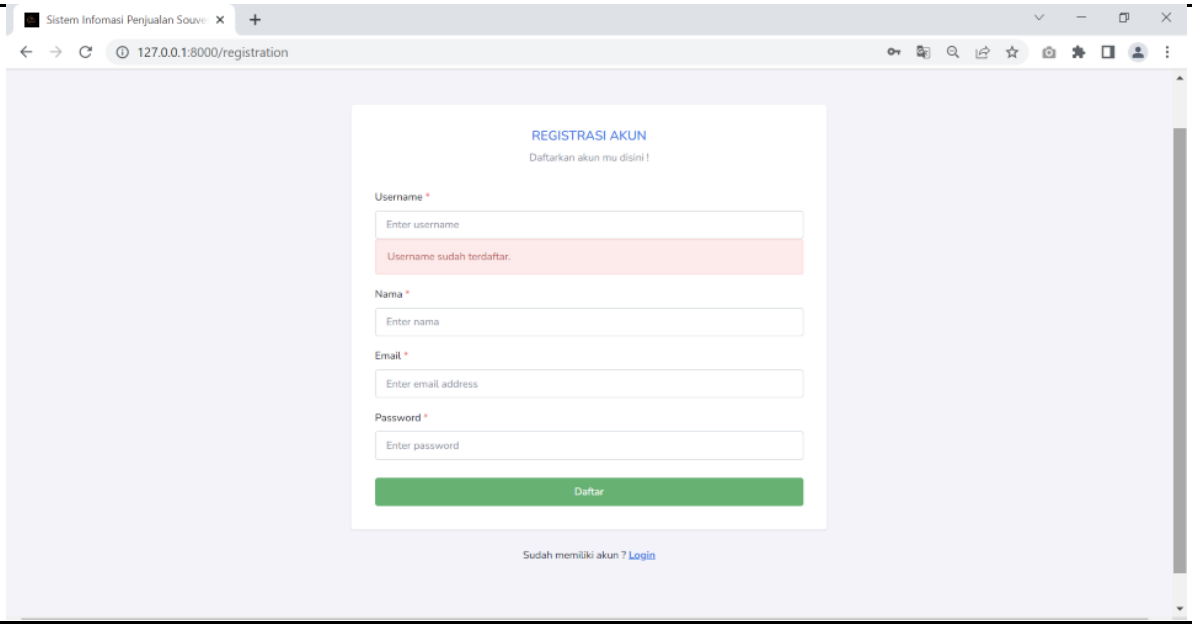
iv. The Console after Running

Finished after 0.048 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun5 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.001 s)

v. The browser while testing



❖ Test Case 56

username	:	akuncoba6
nama	:	User Test 13
email	:	usertest13@gmail.com
password	:	usertest13

i. The test frame for every test case

```
# -- Test Case 56
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 56
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and valid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba6");
        wd.findElement(By.id("nama")).sendKeys("User Test 13");
        wd.findElement(By.id("useremail")).sendKeys("usertest13@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest13");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

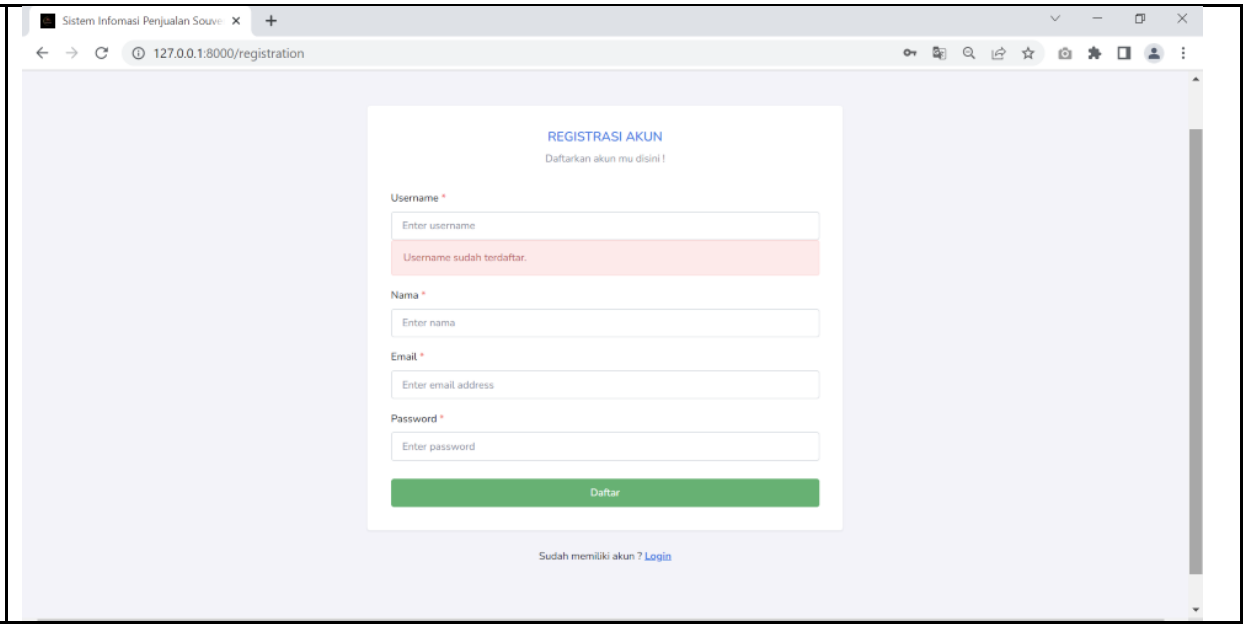
iv. The Console after Running

Finished after 0.102 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun6 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Username sudah terdaftar.
Nama *
Enter nama
Email *
Enter email address
Password *
Enter password
Daftar
Sudah memiliki akun ? Login

- Scenario 10: invalid username, invalid nama, valid email and valid password [6 test case]
  - ❖ Test Case 57

username	:	akuncoba1
nama	:	-
email	:	usertest8@gmail.com
password	:	usertest8

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 10 invalid username, invalid nama, valid email, valid password
# ==========================================================================================

# -- Test Case 57
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------------//
//Scenario 9 invalid username, valid nama, valid email and valid password
//-----------------------------------------------------------------------------//

    // Test Case 57
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and valid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba1");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest8@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest8");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

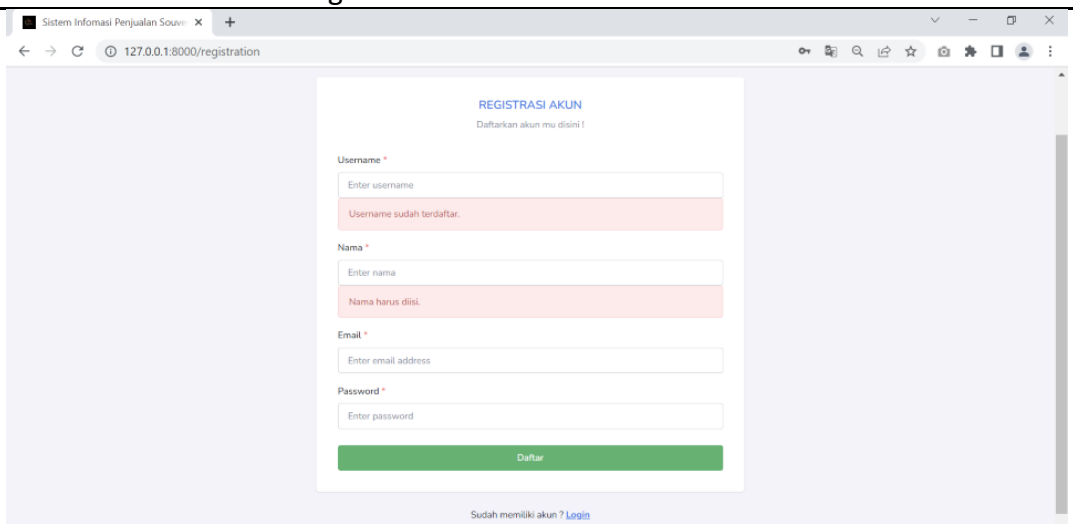
iv. The Console after Running

Finished after 0.033 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun1 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 58

username	:	akuncoba2
nama	:	-
email	:	usertest9@gmail.com
password	:	Usertest9

i. The test frame for every test case

```
# -- Test Case 58
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 58
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and valid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba2");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest9@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest9");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

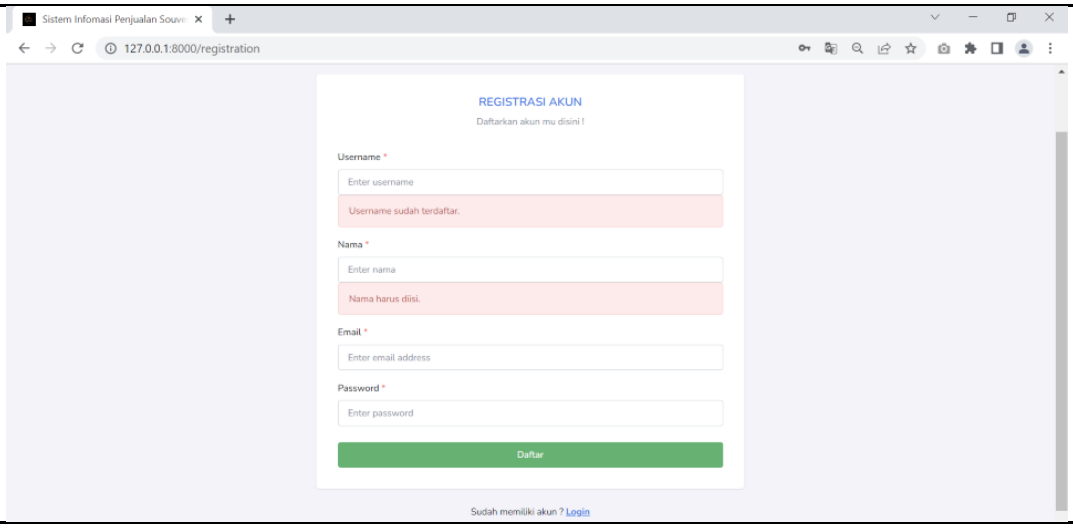
iv. The Console after Running

Finished after 0.044 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 59

username	:	akuncoba3
nama	:	-
email	:	usertest10@gmail.com
password	:	usertest10

i. The test frame for every test case

```
# -- Test Case 59
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 59
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, valid email and valid password$")
public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba3");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest10@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("usertest10");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

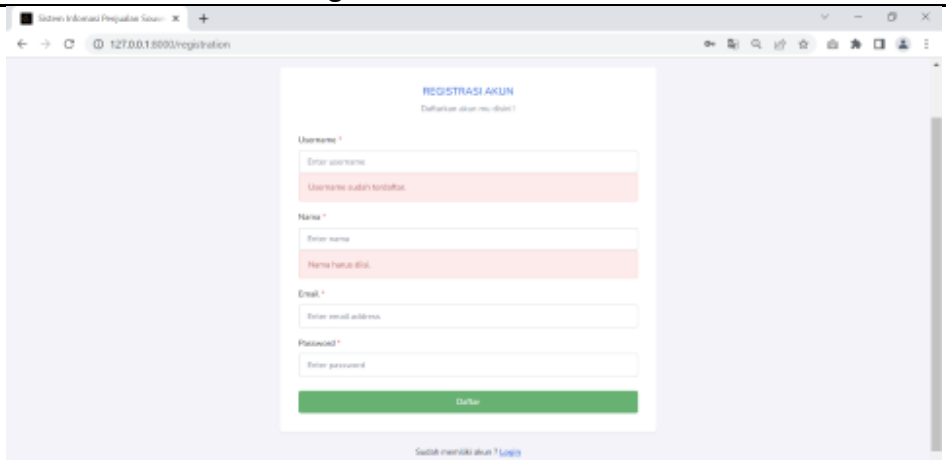
iv. The Console after Running

Finished after 0.027 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun3 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 60

username	:	akuncoba4
nama	:	-
email	:	usertest11@gmail.com
password	:	usertest11

i. The test frame for every test case

```gherkin
# -- Test Case 60
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii.	The step definition

```java
// Test Case 60
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, valid email and valid password$")
public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba4");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest11@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("usertest11");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

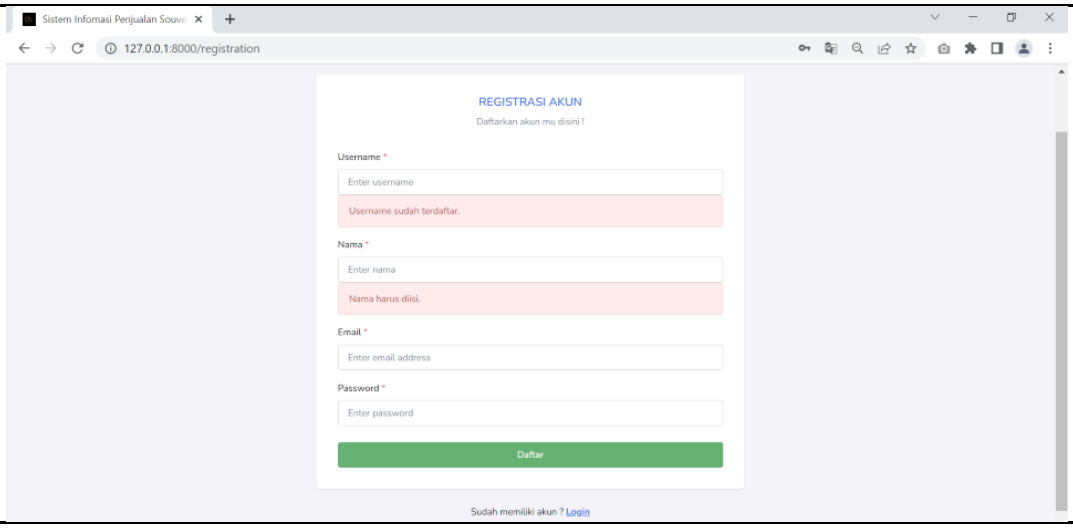
iv.	The Console after Running

Finished after 0.042 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun4 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v.	The browser while testing



❖ Test Case 61

username	:	akuncoba5
nama	:	-
email	:	usertest12@gmail.com
password	:	usertest12

i. The test frame for every test case

```
# -- Test Case 61
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 61
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and valid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba5");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest12@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("usertest12");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

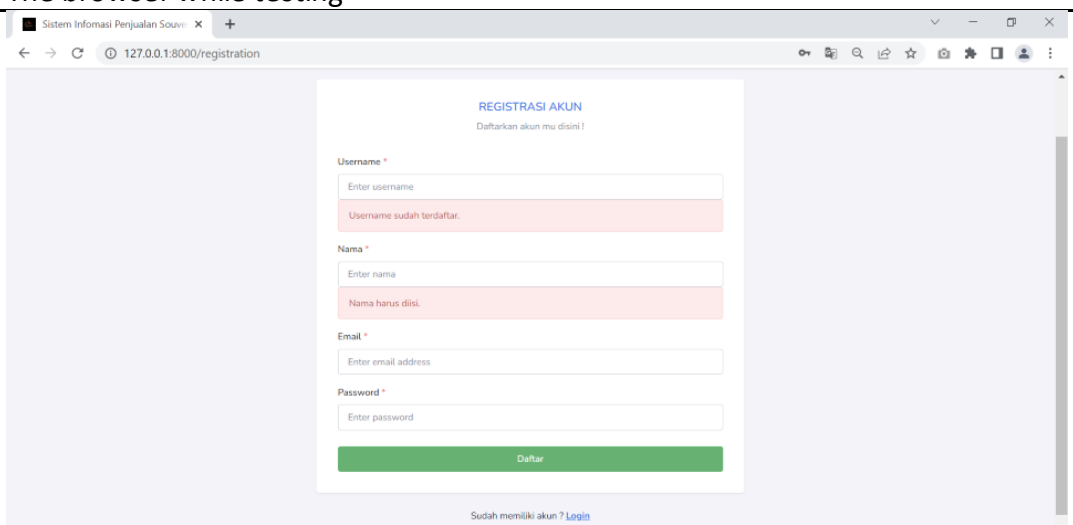
iv. The Console after Running

Finished after 0.055 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun5 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 62

username	:	akuncoba6
nama	:	-
email	:	usertest13@gmail.com
password	:	usertest13

i. The test frame for every test case

```
# -- Test Case 62
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 62
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, valid email and valid password$")
public void I_enter_invalid_username_valid_nama_valid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba6");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest13@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("usertest13");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

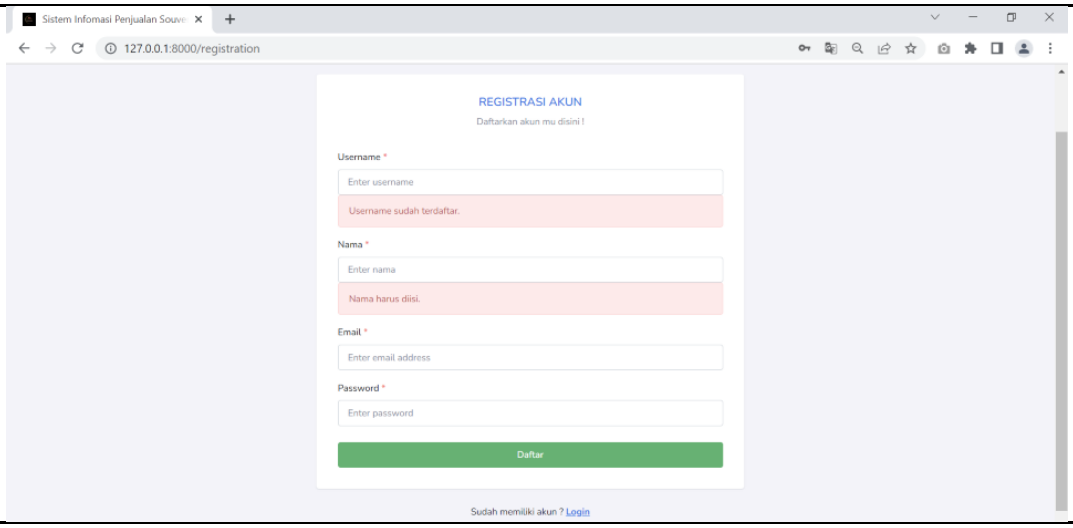
iv. The Console after Running

Finished after 0.07 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun6 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Username sudah terdaftar.
Nama *
Enter nama
Nama harus diisi.
Email *
Enter email address
Password *
Enter password
Daftar
Sudah memiliki akun ? Login

- Scenario 11: invalid username, valid nama, invalid email and valid password [6 test case]
  - ❖ Test Case 63

username	:	akuncoba1
nama	:	User Test 8
email	:	-
password	:	usertest8

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 11 invalid username, valid nama, invalid email, valid password
# ==========================================================================================

# -- Test Case 63
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------//
//Scenario 11 invalid username, valid nama, invalid email and valid password
//-----------------------------------------------------------------------//

    // Test Case 63
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, invalid email and valid password$")
    public void I_enter_invalid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba1");
        wd.findElement(By.id("nama")).sendKeys("User Test 8");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("usertest8");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

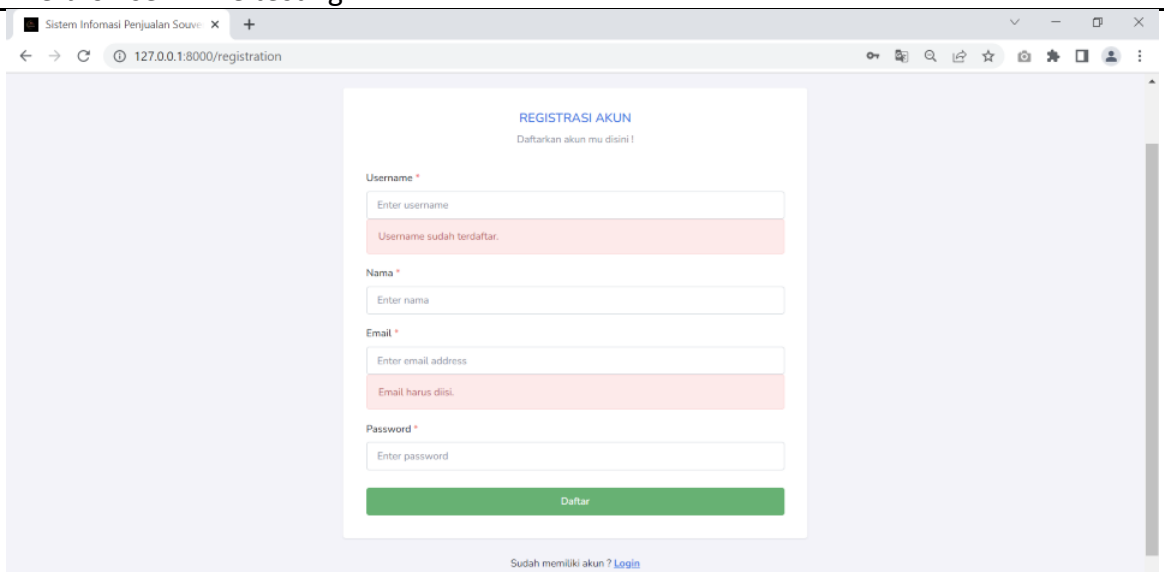
iv. The Console after Running

Finished after 0.058 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun1 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter invalid username, valid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 64

username	:	akuncoba2
nama	:	User Test 9
email	:	-
password	:	usertest9

i. The test frame for every test case

```
# -- Test Case 64
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 64
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, invalid email and valid password$")
    public void I_enter_invalid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba2");
        wd.findElement(By.id("nama")).sendKeys("User Test 9");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("usertest9");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

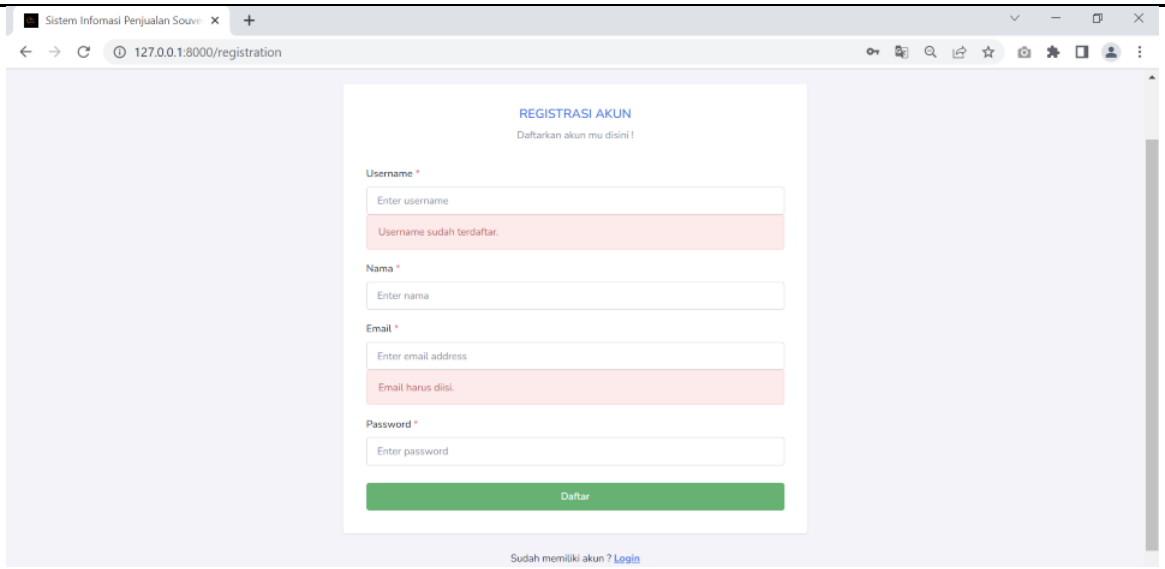
iv. The Console after Running

Finished after 0.025 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun2 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.001 s)

v. The browser while testing



❖ Test Case 65

username	:	akuncoba3
nama	:	User Test 10
email	:	-
password	:	usertest10

i. The test frame for every test case

```
# -- Test Case 65
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 65
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, invalid email and valid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba3");
    wd.findElement(By.id("nama")).sendKeys("User Test 10");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest10");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11    @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

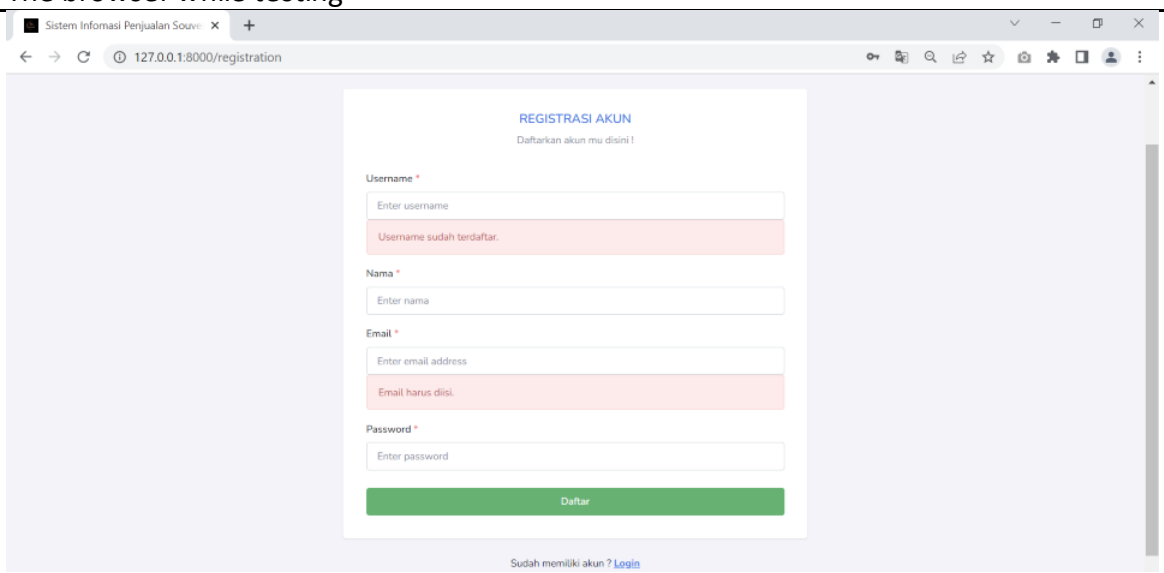
iv. The Console after Running

Finished after 0.07 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Registrasi Akun3 (0.000 s)
    - Given open chrome and start application (0.000 s)
    - When I enter invalid username, valid nama, invalid email and valid password (0.000 s)
    - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 66

username	:	akuncoba4
nama	:	User Test 11
email	:	-
password	:	usertest11

i. The test frame for every test case

```
# -- Test Case 66
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 66
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, invalid email and valid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba4");
    wd.findElement(By.id("nama")).sendKeys("User Test 11");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest11");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

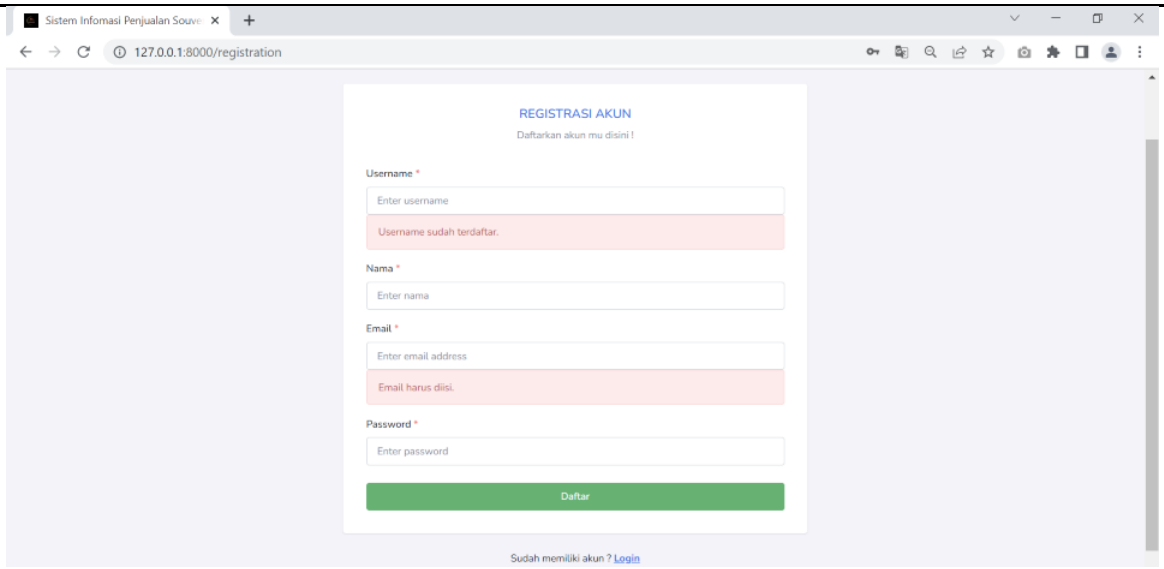
iv. The Console after Running

Finished after 0.024 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun4 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter invalid username, valid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 67

username	:	akuncoba5
nama	:	User Test 12
email	:	-
password	:	usertest12

i. The test frame for every test case

```
# -- Test Case 67
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 67
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, invalid email and valid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba5");
    wd.findElement(By.id("nama")).sendKeys("User Test 12");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest12");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11    @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

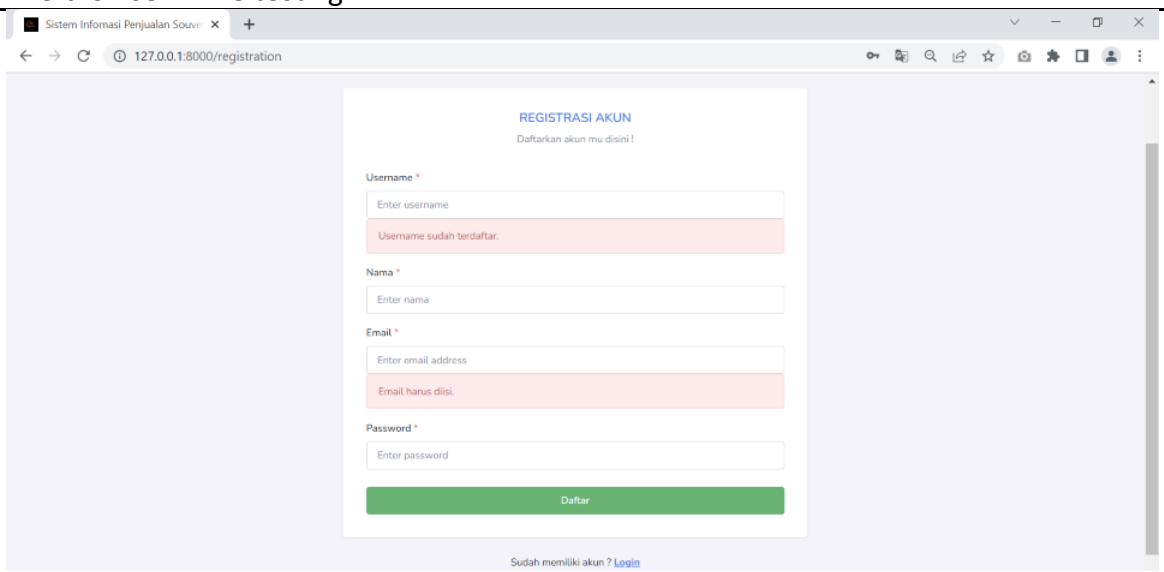
iv. The Console after Running

Finished after 0.025 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun5 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 68

username	:	akuncoba6
nama	:	User Test 13
email	:	-
password	:	usertest13

i. The test frame for every test case

```
# -- Test Case 68
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 68
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, invalid email and valid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba6");
    wd.findElement(By.id("nama")).sendKeys("User Test 13");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest13");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

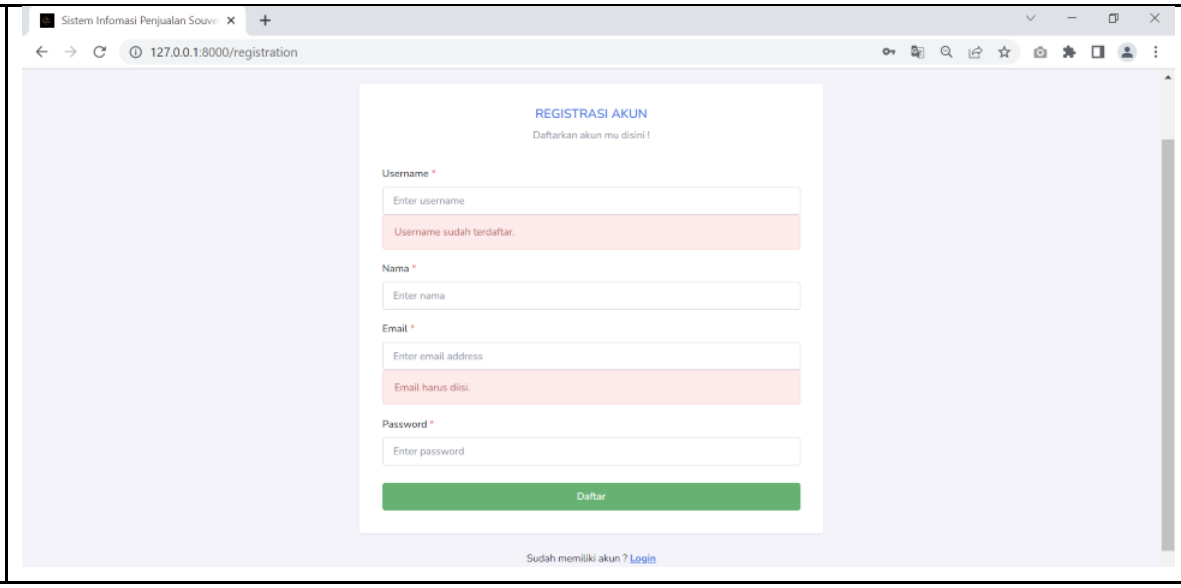
iv. The Console after Running

Finished after 0.043 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun6 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Username sudah terdaftar.
Nama *
Enter nama
Email *
Enter email address
Email harus diisi.
Password *
Enter password
Daftar
Sudah memiliki akun ? Login

- Scenario 12: invalid username, valid nama, valid email and invalid password [6 test case]
  - ❖ Test Case 69

username	:	akuncoba1
nama	:	User Test 8
email	:	usertest8@gmail.com
password	:	tes8

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 12 invalid username, valid nama, valid email, invalid password
# ==========================================================================================

# -- Test Case 69
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------//
//Scenario 12 invalid username, valid nama, valid email and invalid password
//-----------------------------------------------------------------------//

    // Test Case 69
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba1");
        wd.findElement(By.id("nama")).sendKeys("User Test 8");
        wd.findElement(By.id("useremail")).sendKeys("usertest8@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes8");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

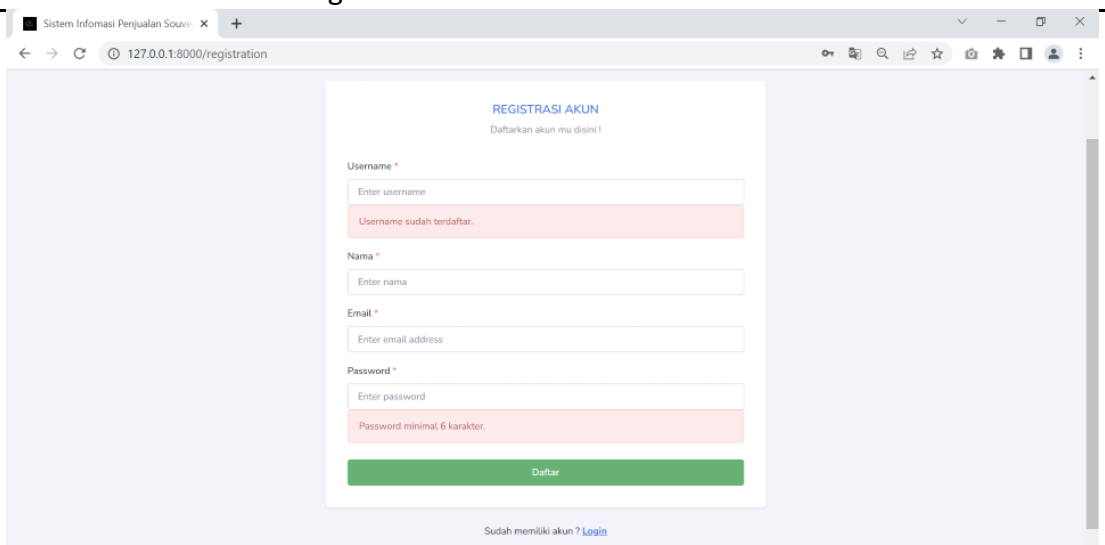
iv. The Console after Running

Finished after 0.034 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Registrasi Akun1 (0.000 s)
    - Given open chrome and start application (0.000 s)
    - When I enter invalid username, valid nama, valid email and invalid password (0.000 s)
    - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 70

username	:	akuncoba2
nama	:	User Test 9
email	:	usertest9@gmail.com
password	:	tes9

i. The test frame for every test case

```
# -- Test Case 70
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 70
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, valid email and invalid password$")
public void I_enter_invalid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba2");
    wd.findElement(By.id("nama")).sendKeys("User Test 9");
    wd.findElement(By.id("useremail")).sendKeys("usertest9@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("tes9");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

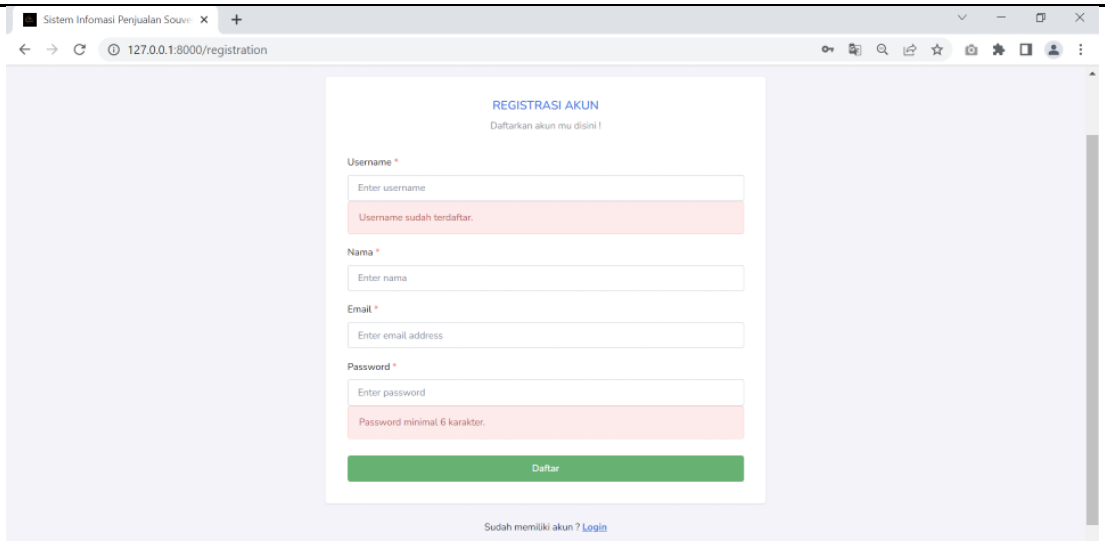
iv. The Console after Running

Finished after 0.036 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 71

username	:	akuncoba3
nama	:	User Test 10
email	:	usertest10@gmail.com
password	:	tes10

i. The test frame for every test case

```
# -- Test Case 71
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 71
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba3");
        wd.findElement(By.id("nama")).sendKeys("User Test 10");
        wd.findElement(By.id("useremail")).sendKeys("usertest10@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes10");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11    @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

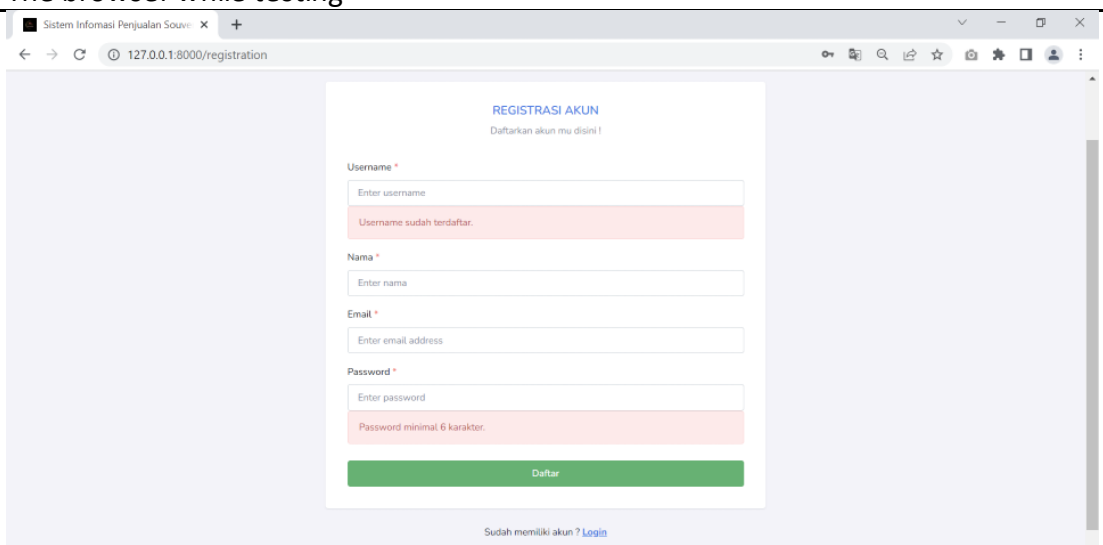
iv. The Console after Running

Finished after 0.063 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun3 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter invalid username, valid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 72

username	:	akuncoba4
nama	:	User Test 11
email	:	usertest11@gmail.com
password	:	tes11

i. The test frame for every test case

```
# -- Test Case 72
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 72
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba4");
        wd.findElement(By.id("nama")).sendKeys("User Test 11");
        wd.findElement(By.id("useremail")).sendKeys("usertest11@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes11");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

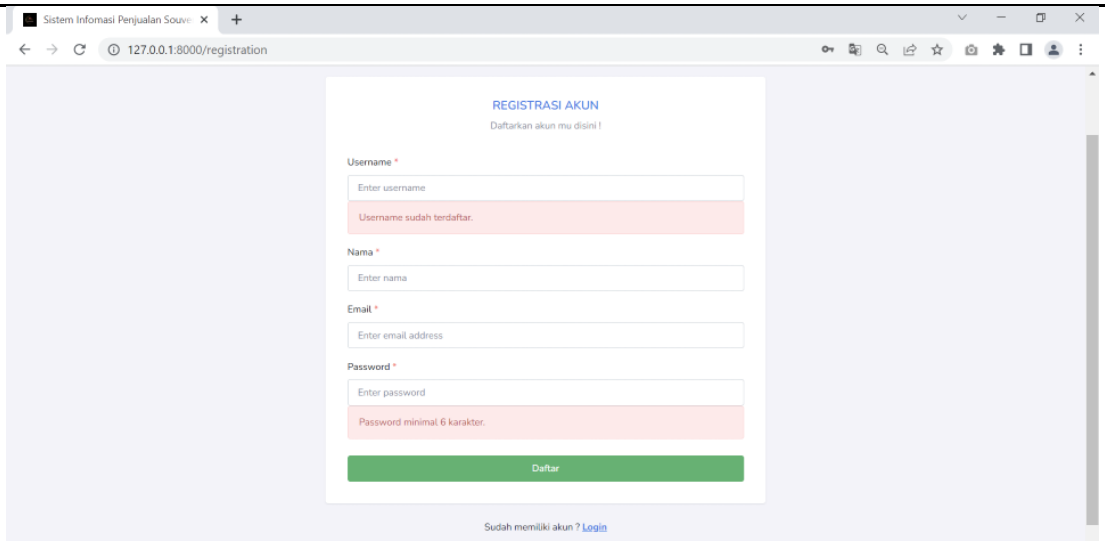
iv. The Console after Running

Finished after 0.032 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun4 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 73

username	:	akuncoba5
nama	:	User Test 12
email	:	usertest12@gmail.com
password	:	tes12

i. The test frame for every test case

```
# -- Test Case 73
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 73
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, valid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba5");
        wd.findElement(By.id("nama")).sendKeys("User Test 12");
        wd.findElement(By.id("useremail")).sendKeys("usertest12@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes12");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10     //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11     @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

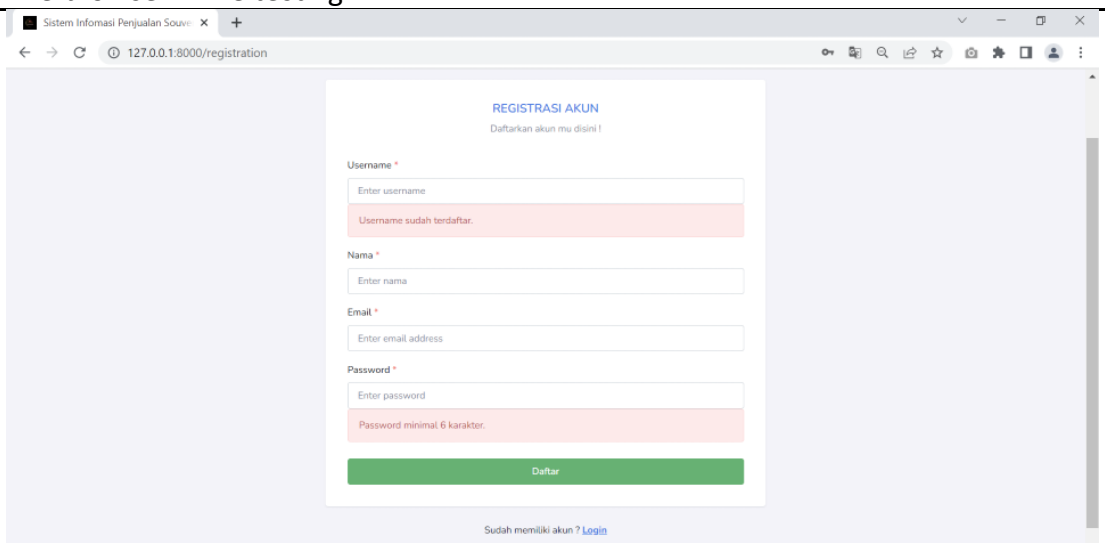
iv. The Console after Running

Finished after 0.029 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun5 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 74

username	:	akuncoba6
nama	:	User Test 13
email	:	usertest13@gmail.com
password	:	tes13

i. The test frame for every test case

```
# -- Test Case 74
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter invalid username, valid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 74
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, valid email and invalid password$")
public void I_enter_invalid_username_valid_nama_valid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba6");
    wd.findElement(By.id("nama")).sendKeys("User Test 13");
    wd.findElement(By.id("useremail")).sendKeys("usertest13@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("tes13");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

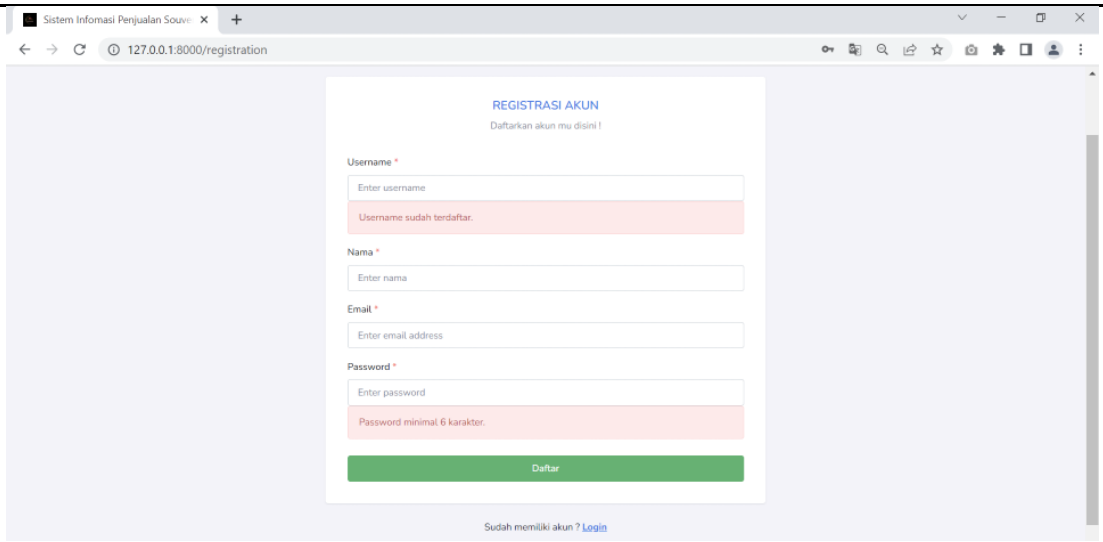
iv. The Console after Running

Finished after 0.081 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun6 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Username sudah terdaftar.
Nama *
Enter nama
Email *
Enter email address
Password *
Enter password
Password minimal 6 karakter.
Daftar
Sudah memiliki akun ? Login

- Scenario 13: invalid username, valid nama, invalid email and invalid password [6 test case]
  - ❖ Test Case 75

username	:	akuncoba1
nama	:	User Test 8
email	:	usertest8
password	:	tes8

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 13 invalid username, valid nama, invalid email, invalid password
# ==========================================================================================

# -- Test Case 75
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------------//
//Scenario 12 invalid username, valid nama, invalid email and invalid password
//-----------------------------------------------------------------------------//

    // Test Case 75
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba1");
        wd.findElement(By.id("nama")).sendKeys("User Test 8");
        wd.findElement(By.id("useremail")).sendKeys("usertest8");
        wd.findElement(By.id("userpassword")).sendKeys("tes8");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

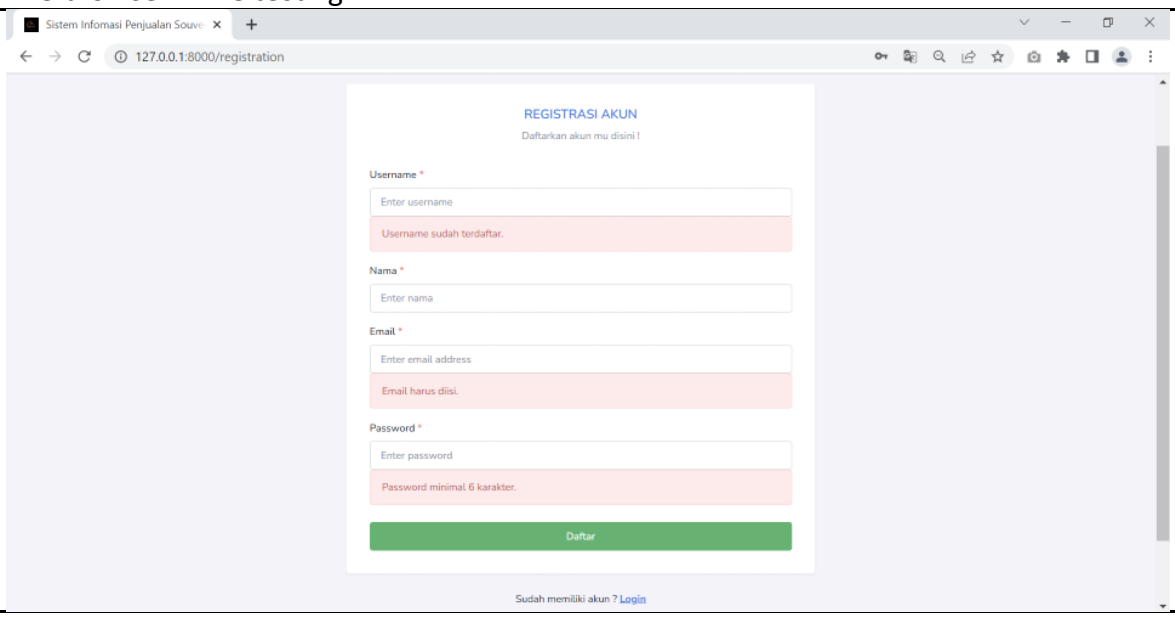
iv. The Console after Running

Finished after 0.035 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun1 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 76

username	:	akuncoba2
nama	:	User Test 9
email	:	usertest9
password	:	tes9

i. The test frame for every test case

```
# -- Test Case 76
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 76
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba2");
        wd.findElement(By.id("nama")).sendKeys("User Test 9");
        wd.findElement(By.id("useremail")).sendKeys("usertest9");
        wd.findElement(By.id("userpassword")).sendKeys("tes9");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

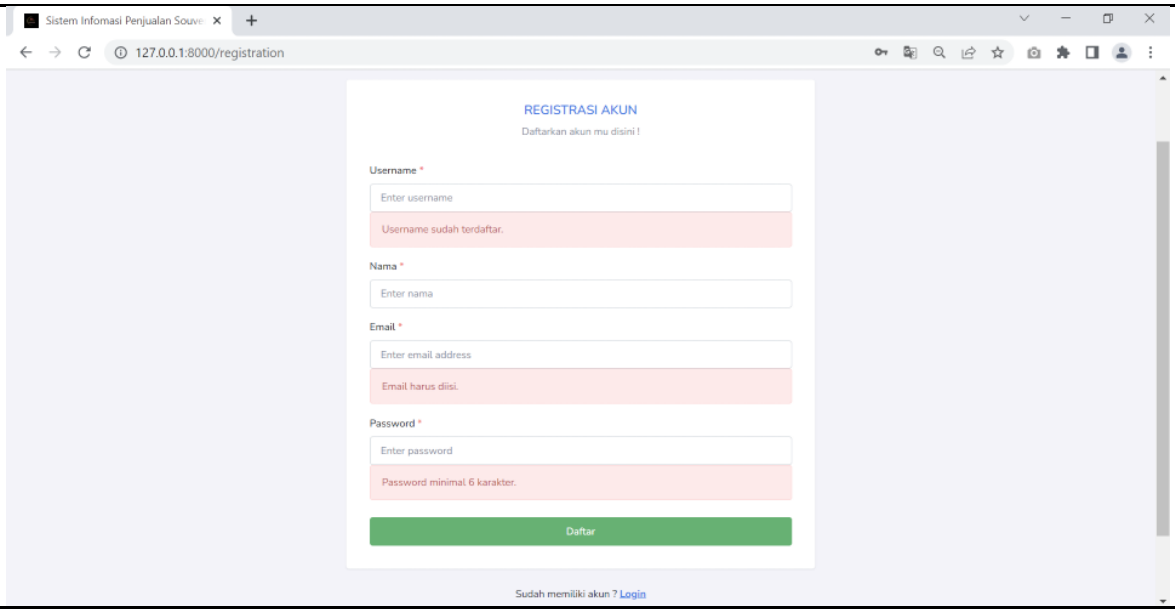
iv. The Console after Running

Finished after 0.045 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun2 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 77

username	:	akuncoba3
nama	:	User Test 10
email	:	usertest10
password	:	tes10

i. The test frame for every test case

```
# -- Test Case 77
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 77
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, invalid email and invalid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba3");
    wd.findElement(By.id("nama")).sendKeys("User Test 10");
    wd.findElement(By.id("useremail")).sendKeys("usertest10");
    wd.findElement(By.id("userpassword")).sendKeys("tes10");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

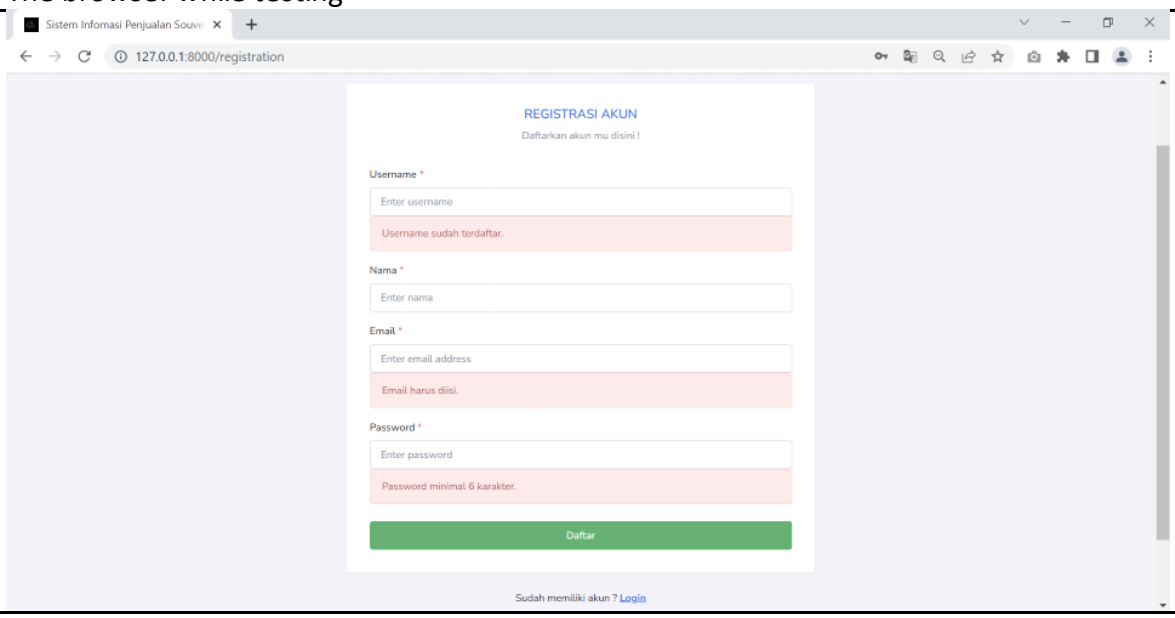
iv. The Console after Running

Finished after 0.052 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun3 (0.000 s)
      - Given open chrome and start application (0.001 s)
      - When I enter invalid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 78

username	:	akuncoba4
nama	:	User Test 11
email	:	usertest11
password	:	tes11

i. The test frame for every test case

```
# -- Test Case 78
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 78
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba4");
        wd.findElement(By.id("nama")).sendKeys("User Test 11");
        wd.findElement(By.id("useremail")).sendKeys("usertest11");
        wd.findElement(By.id("userpassword")).sendKeys("tes11");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

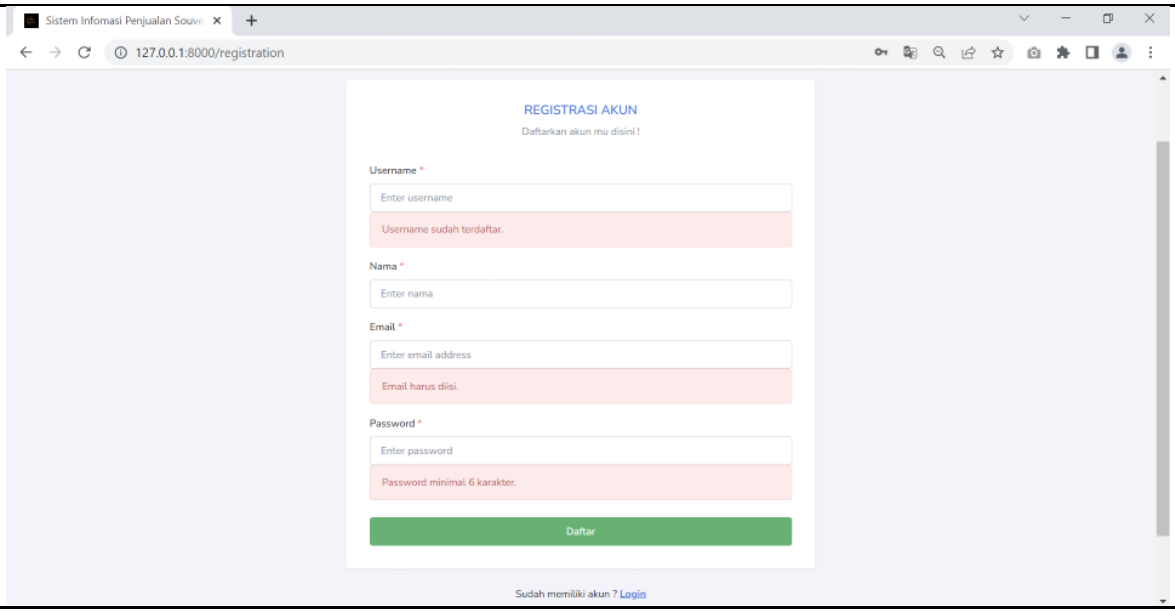
iv. The Console after Running

Finished after 0.032 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun4 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 79

username	:	akuncoba5
nama	:	User Test 12
email	:	usertest12
password	:	tes12

i. The test frame for every test case

```
# -- Test Case 79
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 79
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, valid nama, invalid email and invalid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba5");
    wd.findElement(By.id("nama")).sendKeys("User Test 12");
    wd.findElement(By.id("useremail")).sendKeys("usertest12");
    wd.findElement(By.id("userpassword")).sendKeys("tes12");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

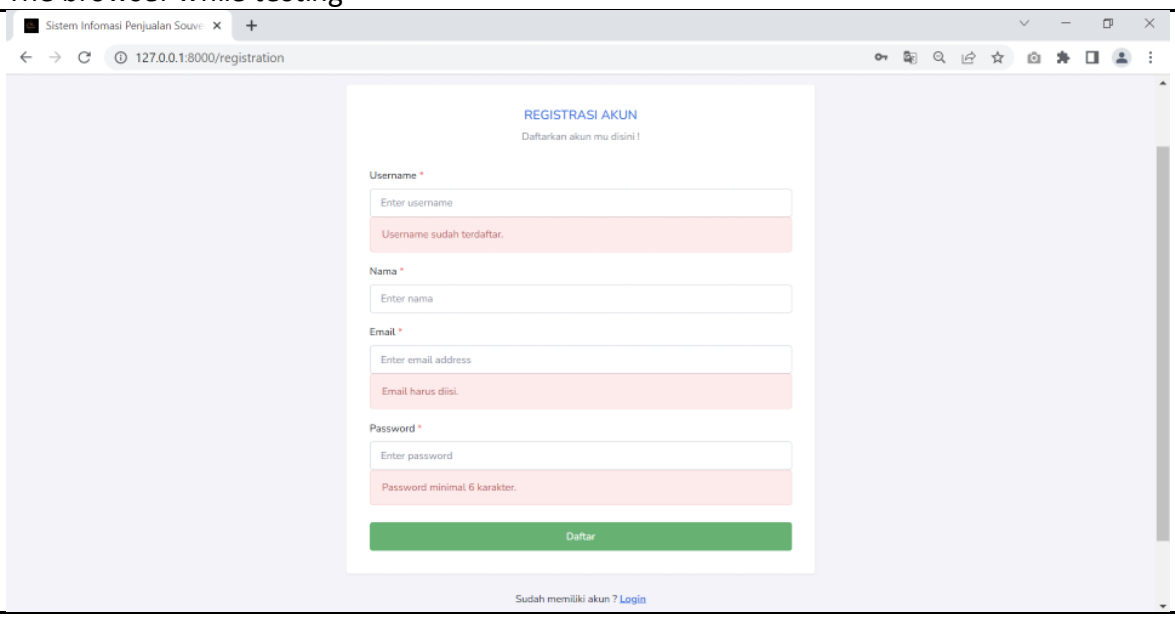
iv. The Console after Running

Finished after 0.036 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun5 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 80

username	:	akuncoba6
nama	:	User Test 13
email	:	usertest13
password	:	tes13

i. The test frame for every test case

```
# -- Test Case 80
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter invalid username, valid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 80
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, valid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba6");
        wd.findElement(By.id("nama")).sendKeys("User Test 13");
        wd.findElement(By.id("useremail")).sendKeys("usertest13");
        wd.findElement(By.id("userpassword")).sendKeys("tes13");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

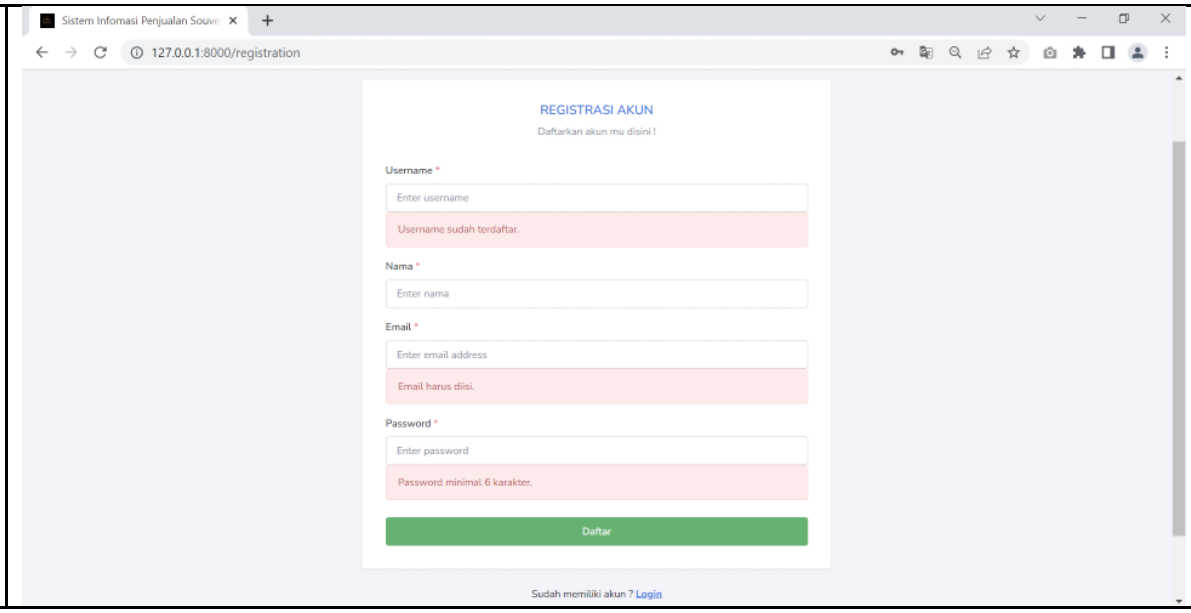
iv. The Console after Running

Finished after 0.067 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun6 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, valid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Username sudah terdaftar.
Nama *
Enter nama
Email *
Enter email address
Email harus diisi.
Password *
Enter password
Password minimal 6 karakter.
Daftar
Sudah memiliki akun ? Login

- Scenario 14: invalid username, invalid nama, valid email and invalid password [6 test case]
  - ❖ Test Case 81

username	:	akuncoba1
nama	:	-
email	:	usertest8@gmail.com
password	:	tes8

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 14 invalid username, invalid nama, valid email, invalid password
# ==========================================================================================

# -- Test Case 81
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------//
//Scenario 14 invalid username, invalid nama, valid email and invalid password
//-----------------------------------------------------------------------//

    // Test Case 80
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, invalid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba1");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest8@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes8");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

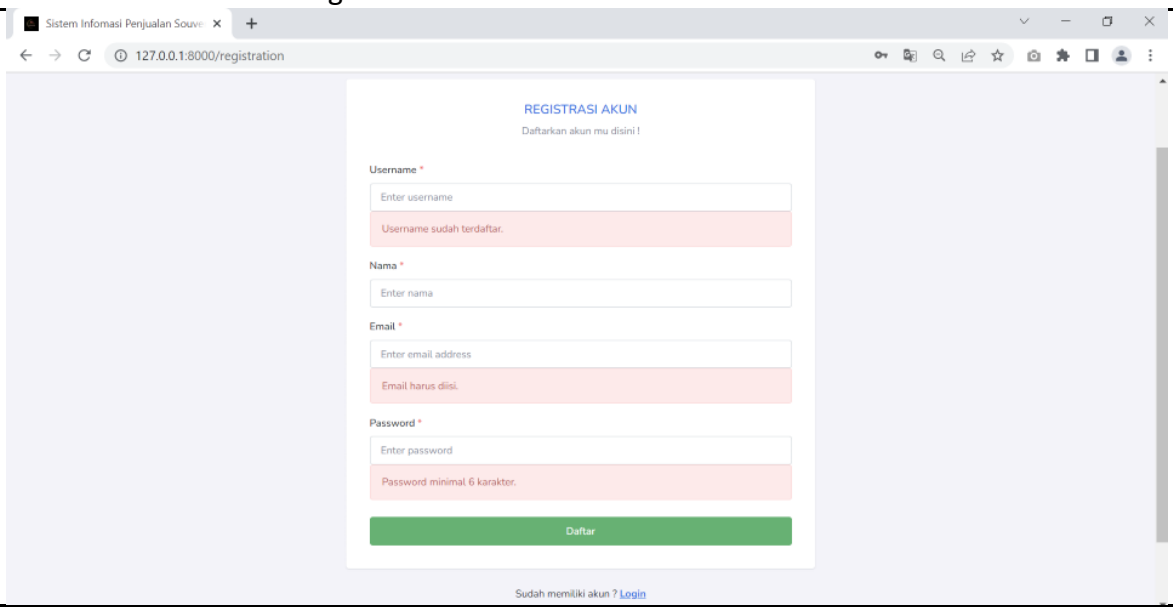
iv. The Console after Running

Finished after 0.046 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun1 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 82

username	:	akuncoba2
nama	:	-
email	:	usertest9@gmail.com
password	:	tes9

i. The test frame for every test case

```
# -- Test Case 82
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
    // Test Case 82
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, invalid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba2");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("usertest9@gmail.com");
        wd.findElement(By.id("userpassword")).sendKeys("tes9");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

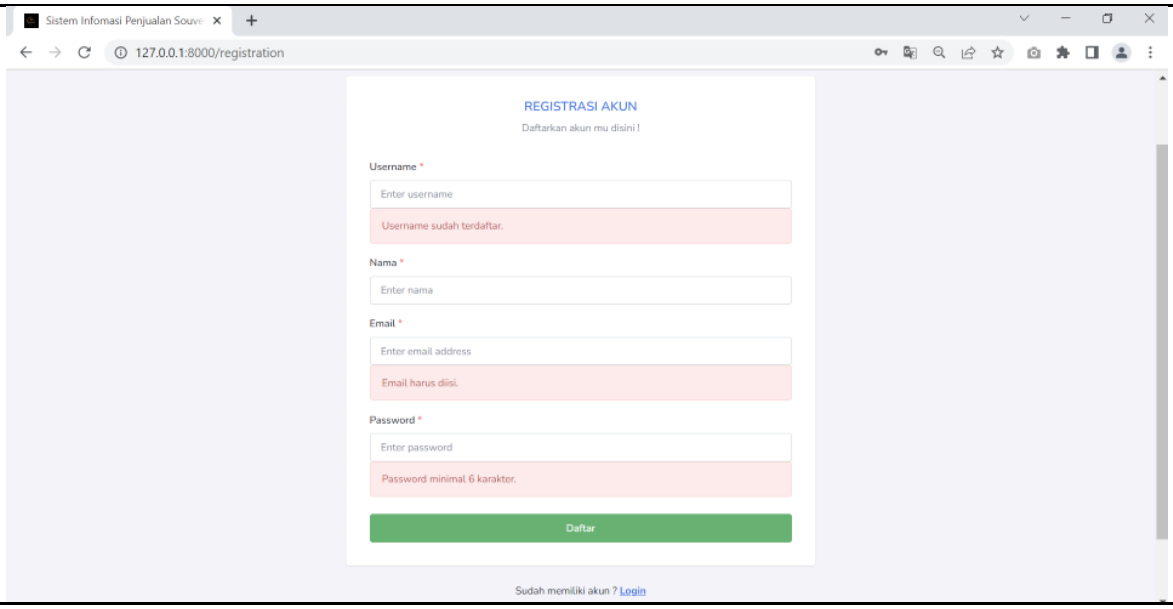
iv. The Console after Running

Finished after 0.046 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun1 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 83

username	:	akuncoba3
nama	:	-
email	:	usertest10@gmail.com
password	:	tes10

i. The test frame for every test case

```
# -- Test Case 83
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 83
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and invalid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba3");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest10@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("tes10");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

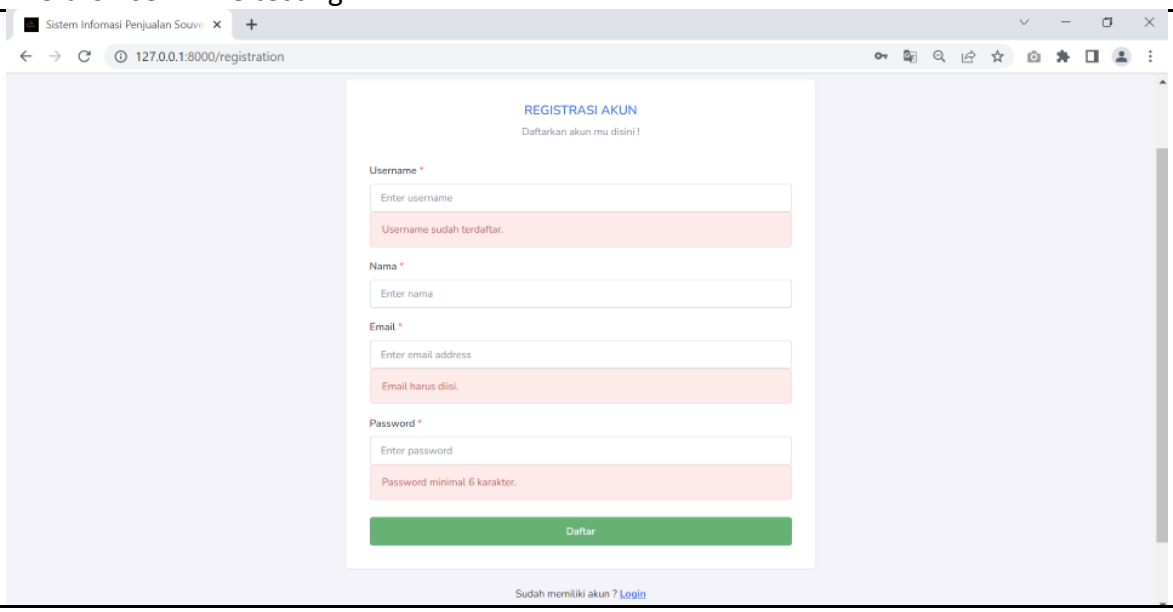
iv. The Console after Running

Finished after 0.046 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun1 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 84

username	:	akuncoba4
nama	:	-
email	:	usertest11@gmail.com
password	:	tes11

i. The test frame for every test case

```
# -- Test Case 84
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 84
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and invalid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba4");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest11@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("tes11");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

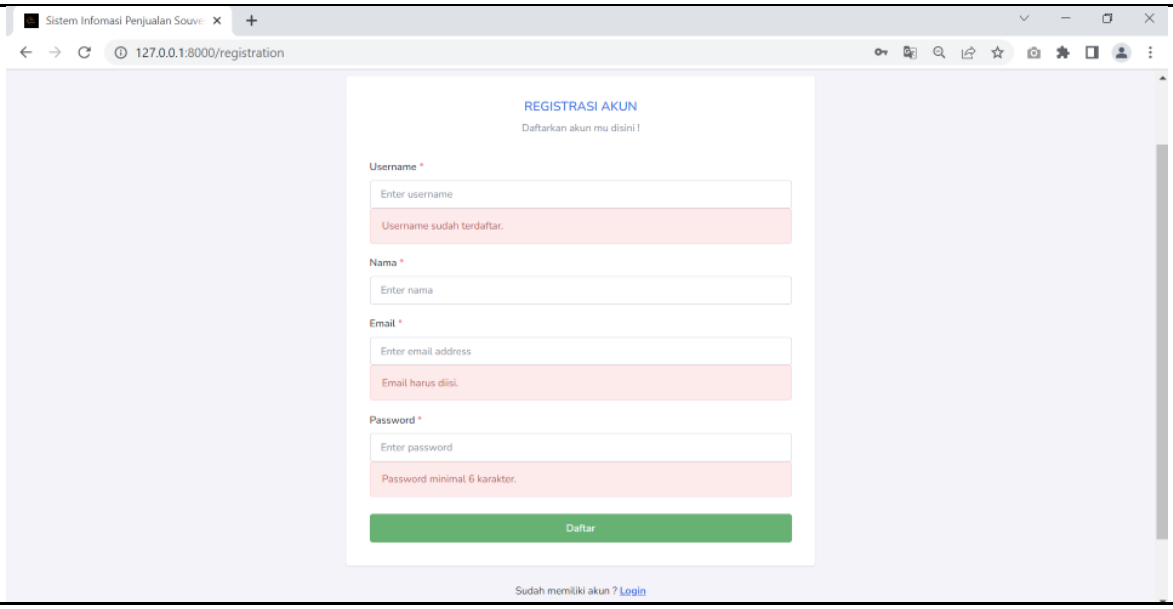
iv. The Console after Running

Finished after 0.046 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun1 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 85

username	:	akuncoba5
nama	:	-
email	:	usertest12@gmail.com
password	:	tes12

i. The test frame for every test case

```
# -- Test Case 85
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 85
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and invalid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba5");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest12@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("tes12");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

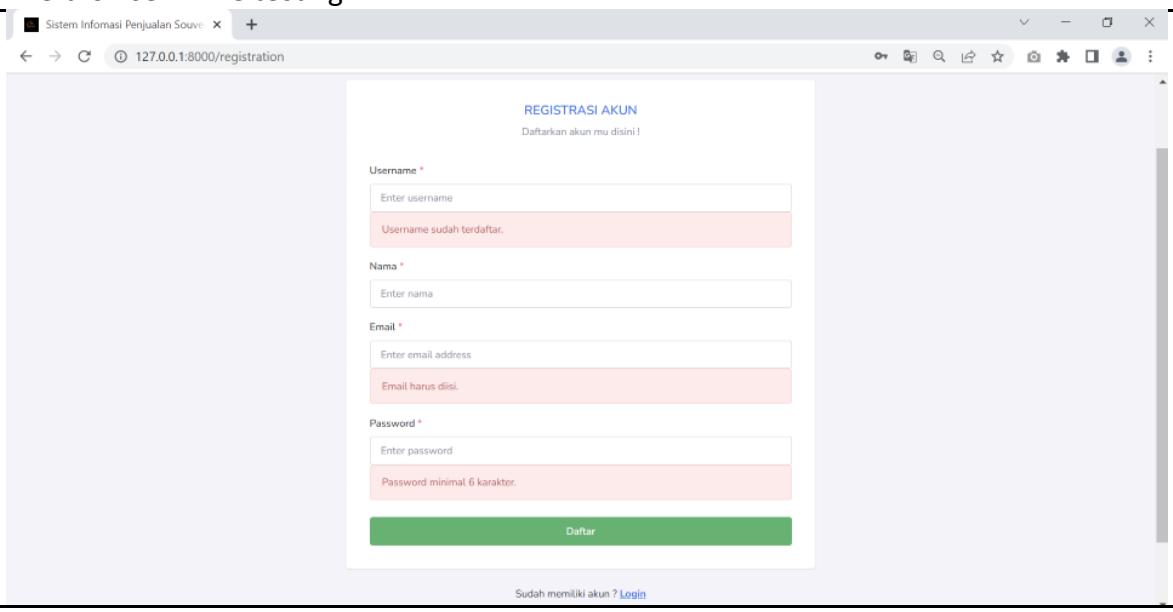
iv. The Console after Running

Finished after 0.046 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun1 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 86

username	:	akuncoba6
nama	:	-
email	:	usertest13@gmail.com
password	:	tes13

i. The test frame for every test case

```
# -- Test Case 86
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter invalid username, invalid nama, valid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 86
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and invalid password$")
public void I_enter_invalid_username_valid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba6");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("usertest13@gmail.com");
    wd.findElement(By.id("userpassword")).sendKeys("tes13");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

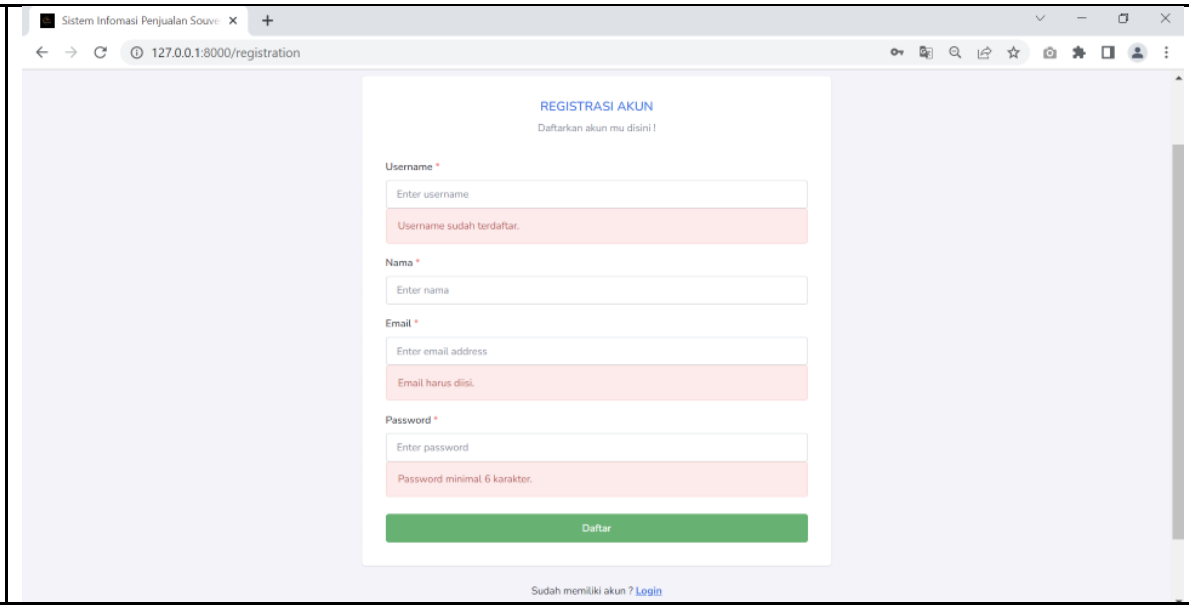
iv. The Console after Running

Finished after 0.046 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun1 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, valid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing


Sistem Infomasi Penjualan Souve
127.0.0.1:8000/registration
REGISTRASI AKUN
Daftarkan akun mu disini !
Username *
Enter username
Username sudah terdaftar.
Nama *
Enter nama
Email *
Enter email address
Email harus diisi.
Password *
Enter password
Password minimal 6 karakter.
Daftar
Sudah memiliki akun ? Login

- Scenario 15: invalid username, invalid nama, invalid email and valid password [7 test case]
  - ❖ Test Case 87

username	:	akuncoba1
nama	:	-
email	:	-
password	:	usertest8

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 15 invalid username, invalid nama, invalid email, valid password
# ==========================================================================================

 #-- Test Case 87
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------------//
//Scenario 15 invalid username, invalid nama, invalid email and valid password
//-----------------------------------------------------------------------------//

    // Test Case 87
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, invalid nama, invalid email and valid password$")
    public void I_enter_invalid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba1");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("usertest8");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

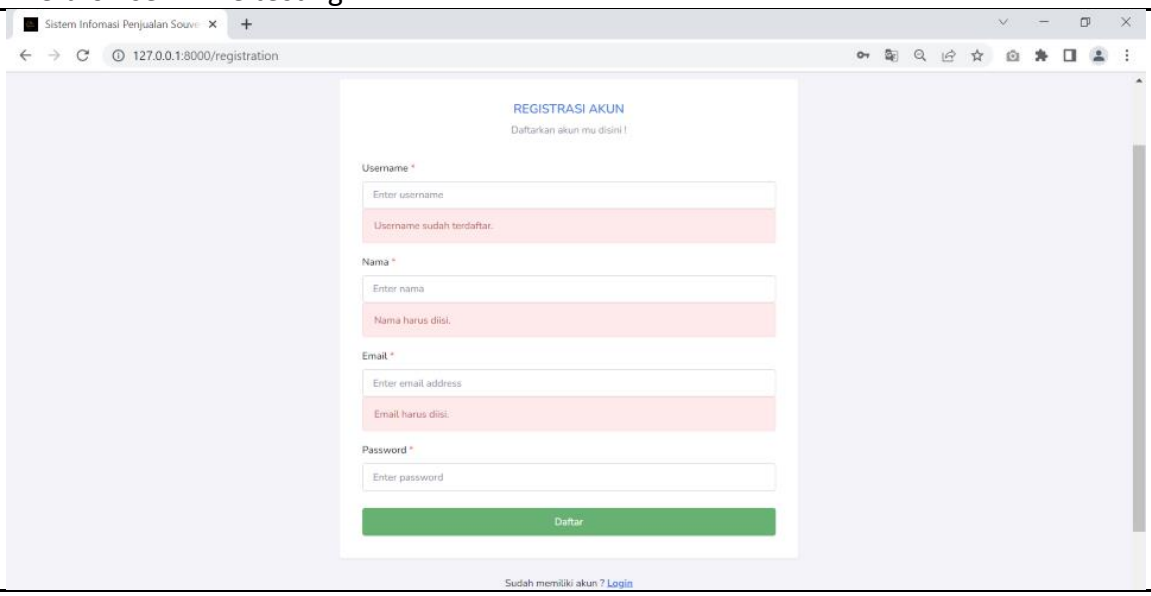
iv. The Console after Running

Finished after 0.033 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun1 (0.002 s)
      - Given open chrome and start application (0.001 s)
      - When I enter invalid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.001 s)

v. The browser while testing



❖ Test Case 88

username	:	akuncoba2
nama	:	-
email	:	-
password	:	usertest9

i. The test frame for every test case

```
#-- Test Case 88
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 88
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and valid password$")
public void I_enter_invalid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba2");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest9");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

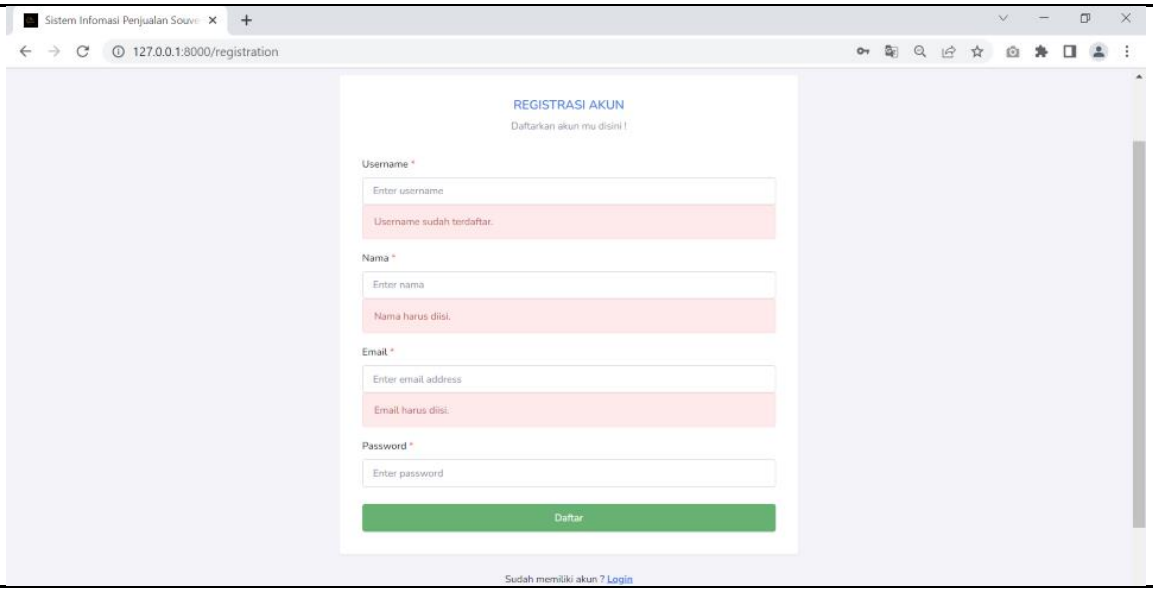
iv. The Console after Running

Finished after 0.024 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun2 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter invalid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 89

username	:	akuncoba3
nama	:	-
email	:	-
password	:	usertest10

i. The test frame for every test case

```
#-- Test Case 89
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 89
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and valid password$")
public void I_enter_invalid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba3");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest10");
    throw new PendingException();
}


@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

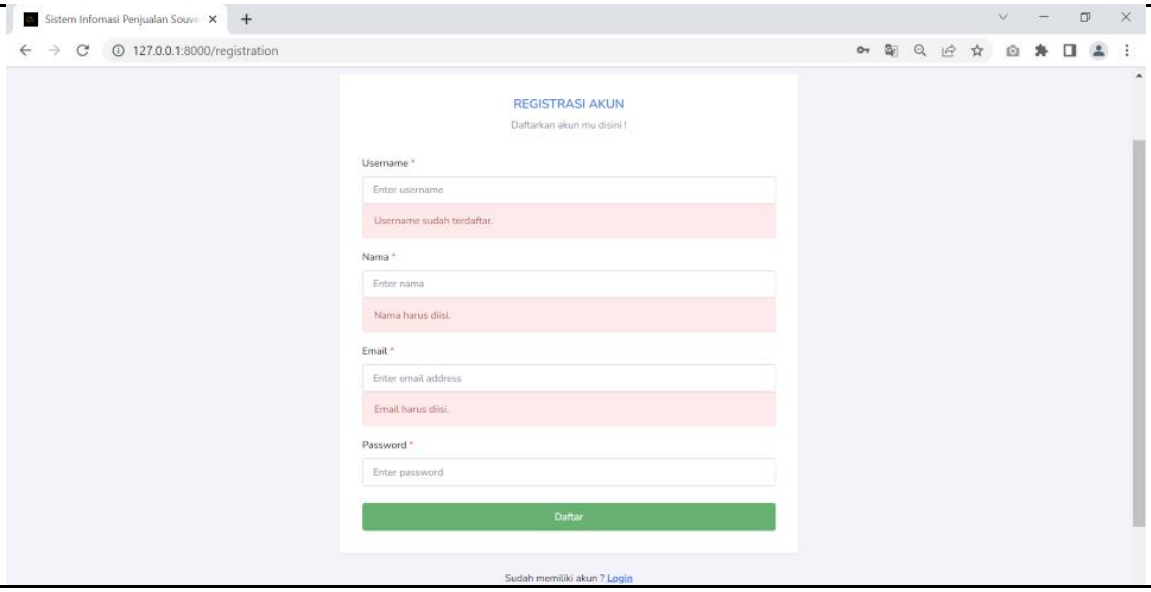
iv. The Console after Running

Finished after 0.029 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun3 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 90

username	:	akuncoba4
nama	:	-
email	:	-
password	:	usertest11

i. The test frame for every test case

```
#-- Test Case 90
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 90
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and valid password$")
public void I_enter_invalid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba4");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest11");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

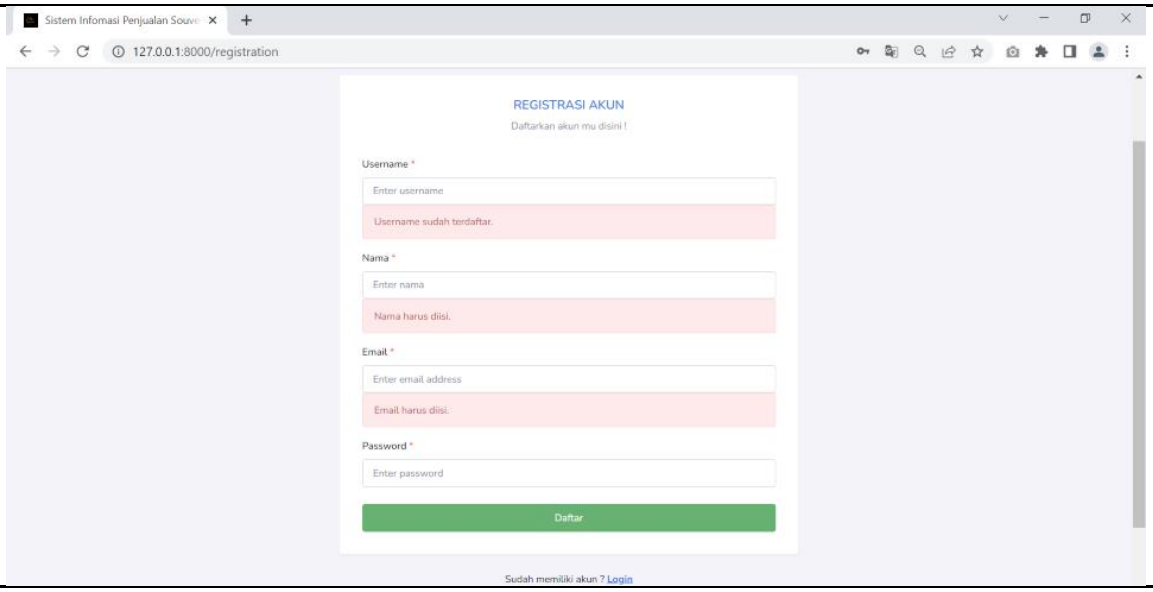
iv. The Console after Running

Finished after 0.038 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun4 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 91

username	:	akuncoba5
nama	:	-
email	:	-
password	:	usertest12

i. The test frame for every test case

```
#-- Test Case 91
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 91
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and valid password$")
public void I_enter_invalid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba5");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest12");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

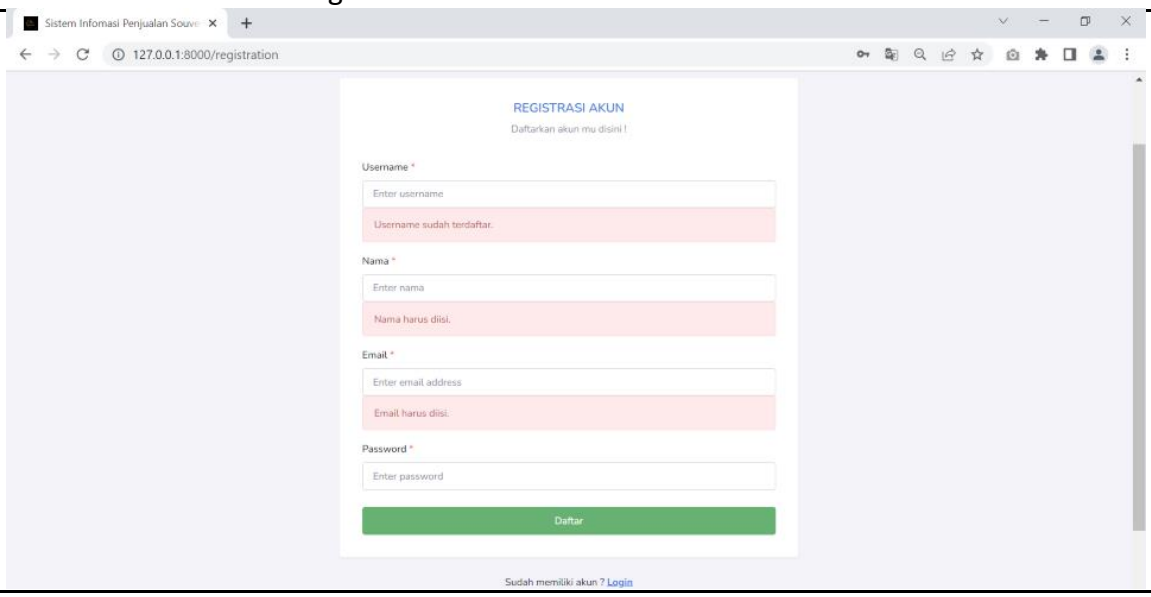
iv. The Console after Running

Finished after 0.068 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun5 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, invalid email and valid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 92

username	:	akuncoba6
nama	:	-
email	:	-
password	:	usertest13

i. The test frame for every test case

```
#-- Test Case 92
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 92
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and valid password$")
public void I_enter_invalid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba6");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest13");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

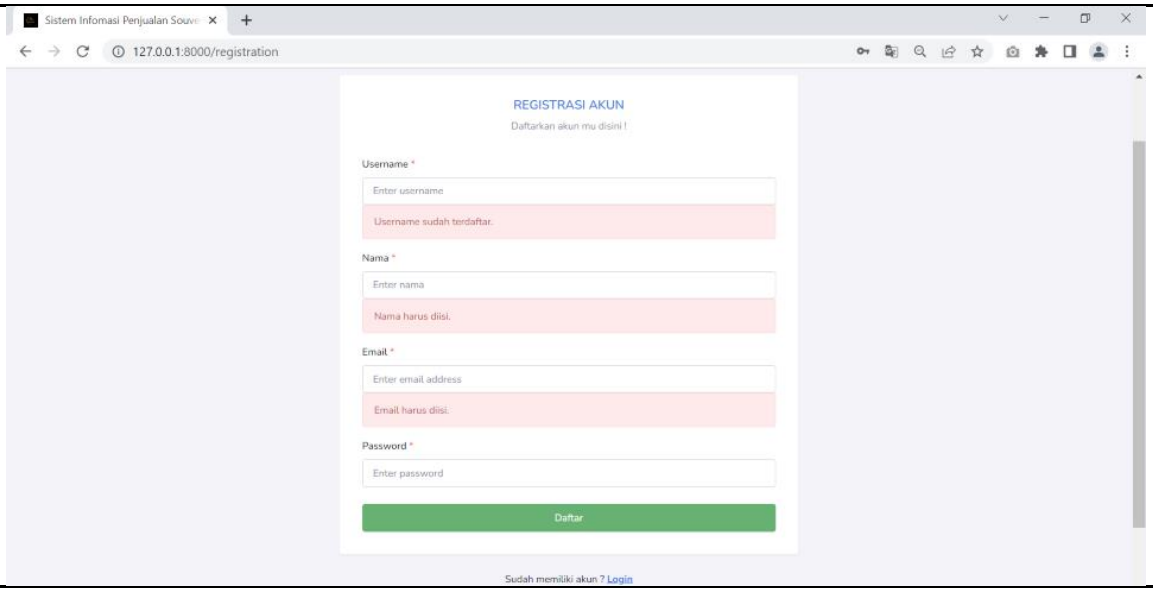
iv. The Console after Running

Finished after 0.057 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun6 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, invalid email and valid password (0.001 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 93

username	:	akuncoba7
nama	:	-
email	:	-
password	:	usertest8

i. The test frame for every test case

```
#-- Test Case 93
Scenario: Test Registrasi Akun7
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and valid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 93
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and valid password$")
public void I_enter_invalid_username_invalid_nama_invalid_email_and_valid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba7");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("usertest14");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

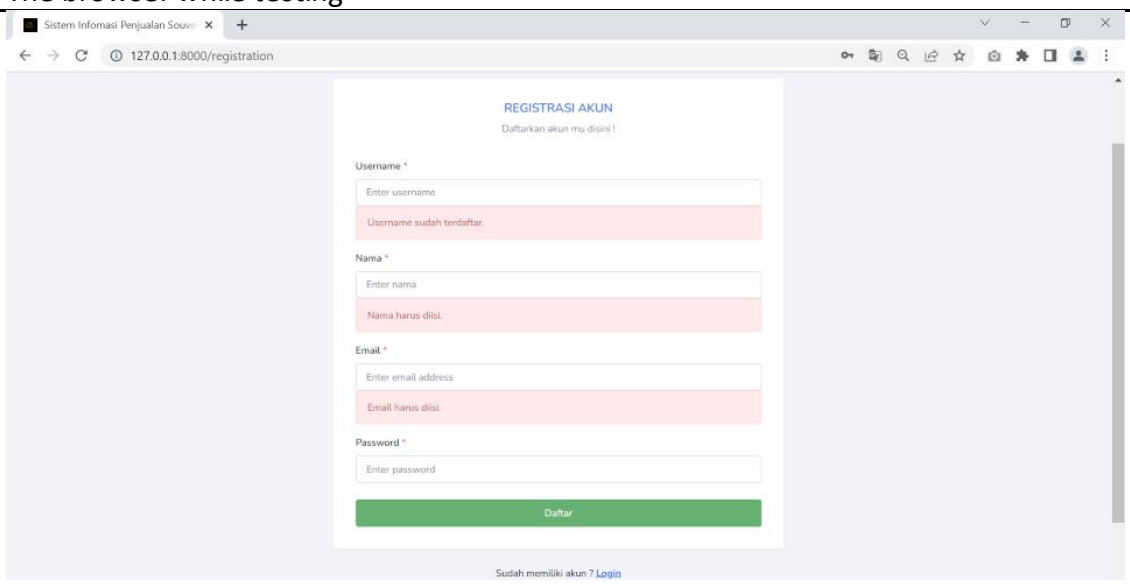
iv. The Console after Running

Finished after 0.063 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun7 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, invalid email and valid password (0.001 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



- Scenario 16: invalid username, invalid nama, invalid email and invalid password [7 test case]
  - ❖ Test Case 94

username	:	akuncoba1
nama	:	-
email	:	-
password	:	tes1

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 16 invalid username, invalid nama, invalid email, invalid password
# ==========================================================================================#

#-- Test Case 94
Scenario: Test Registrasi Akun1
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
//-----------------------------------------------------------------------------//
//Scenario 16 invalid username, invalid nama, invalid email and invalid password
//-----------------------------------------------------------------------------//

    // Test Case 94
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, invalid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba1");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("tes1");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

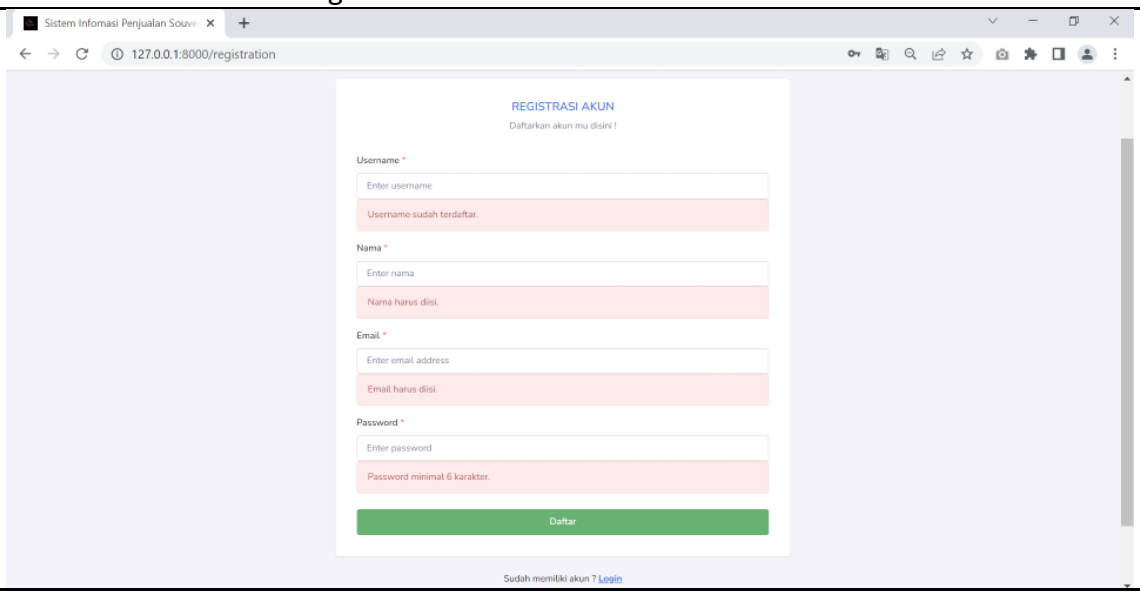
iv. The Console after Running

Finished after 0.032 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test Registrasi Akun1 (0.002 s)
      - Given open chrome and start application (0.001 s)
      - When I enter invalid username, invalid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 95

username	:	akuncoba2
nama	:	-
email	:	-
password	:	tes2

i. The test frame for every test case

```
#-- Test Case 95
Scenario: Test Registrasi Akun2
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```java
// Test Case 95
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and invalid password$")
public void I_enter_invalid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba2");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("tes2");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

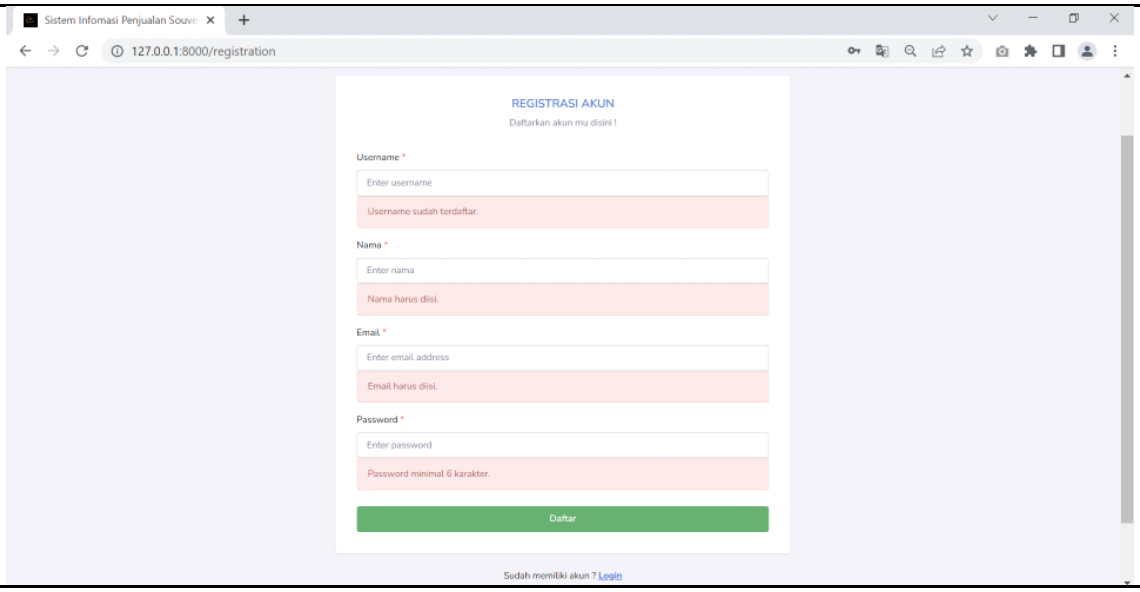
iv. The Console after Running

Finished after 0.028 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun2 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, invalid email and invalid password (0.001 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 96

username	:	akuncoba3
nama	:	-
email	:	-
password	:	tes3

i. The test frame for every test case

```
#-- Test Case 96
Scenario: Test Registrasi Akun3
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 96
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and invalid password$")
public void I_enter_invalid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba3");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("tes3");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

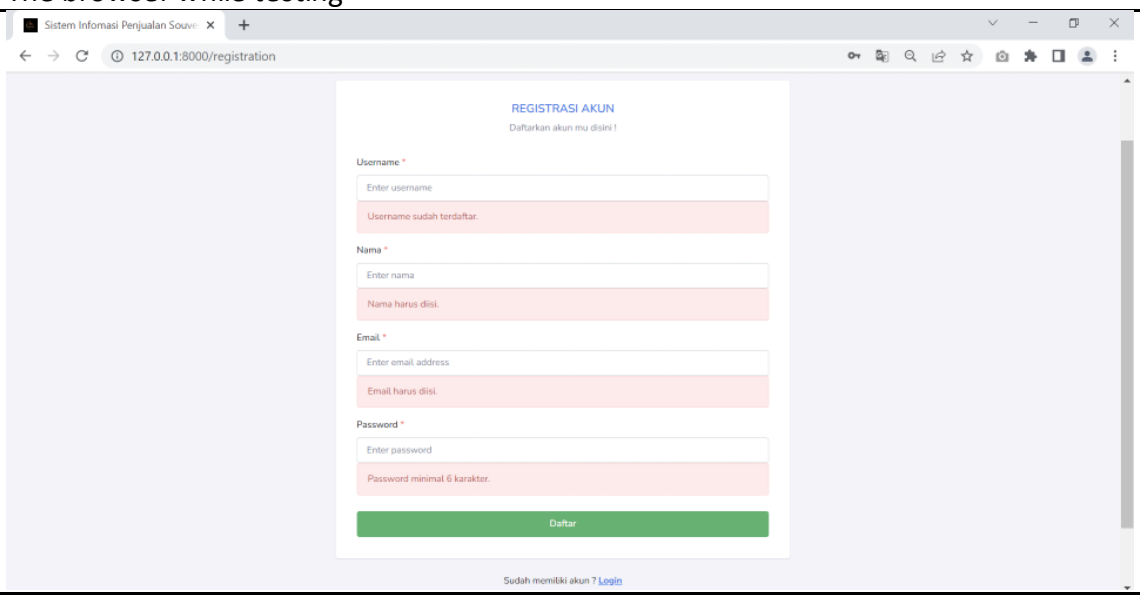
iv. The Console after Running

Finished after 0.021 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Registrasi Akun3 (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 97

username	:	akuncoba4
nama	:	-
email	:	-
password	:	tes4

i. The test frame for every test case

```
#-- Test Case 97
Scenario: Test Registrasi Akun4
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 97
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, invalid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba4");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("tes4");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

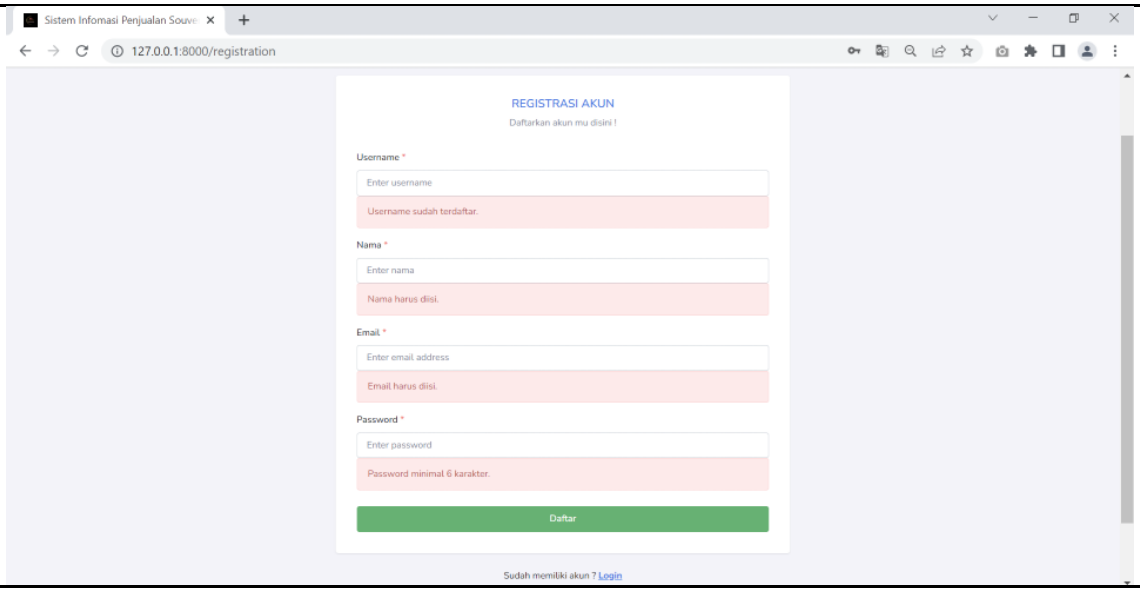
iv. The Console after Running

Finished after 0.054 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun4 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 98

username	:	akuncoba5
nama	:	-
email	:	-
password	:	tes5

i. The test frame for every test case

```
#-- Test Case 98
Scenario: Test Registrasi Akun5
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 98
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, invalid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba5");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("tes5");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/
9
10    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
11    @Cucumber.Options(features = "Features_RegistrasiAkun")
12
13 public class RegistrasiAkunTestRunner {
14 }
```

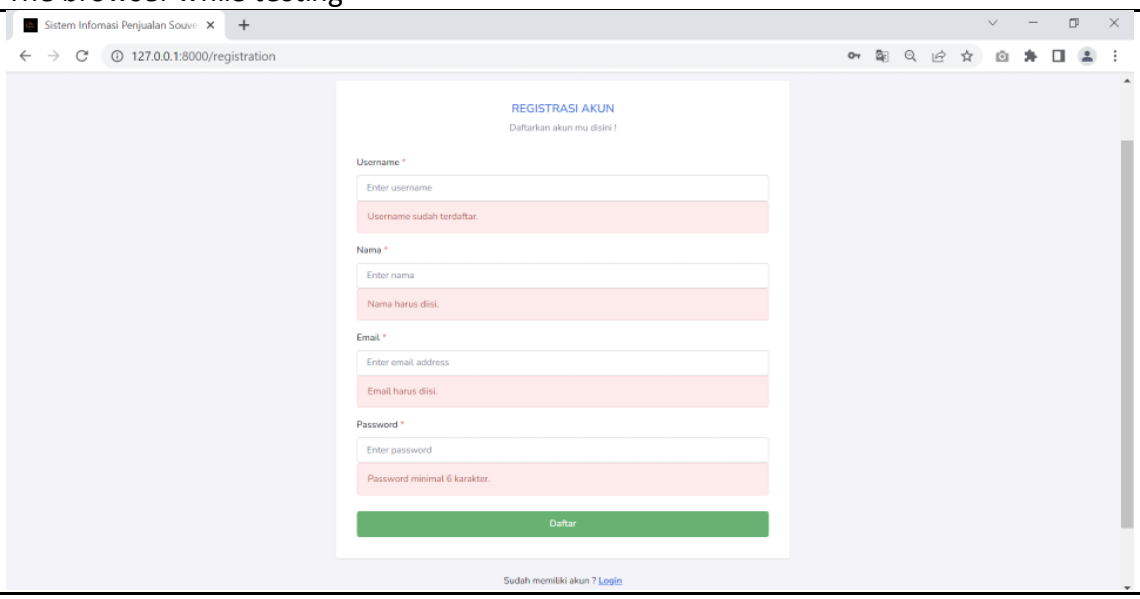
iv. The Console after Running

Finished after 0.033 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.000 s)
- Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
  - Scenario: Test Registrasi Akun5 (0.000 s)
    - Given open chrome and start application (0.000 s)
    - When I enter invalid username, invalid nama, invalid email and invalid password (0.000 s)
    - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 99

username	:	akuncoba6
nama	:	-
email	:	-
password	:	tes6

i. The test frame for every test case

```
#-- Test Case 99
Scenario: Test Registrasi Akun6
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
    // Test Case 99
    public class RegistrasiAkun {
    WebDriver wd;

    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/registration");
    }

    @When("^I enter invalid username, invalid nama, invalid email and invalid password$")
    public void I_enter_invalid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("akuncoba6");
        wd.findElement(By.id("nama")).sendKeys("");
        wd.findElement(By.id("useremail")).sendKeys("");
        wd.findElement(By.id("userpassword")).sendKeys("tes6");
        throw new PendingException();
    }

    @Then("^I cannot successfully registered an account$")
    public void I_cannot_successfully_registered_an_account() throws Throwable {
        wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

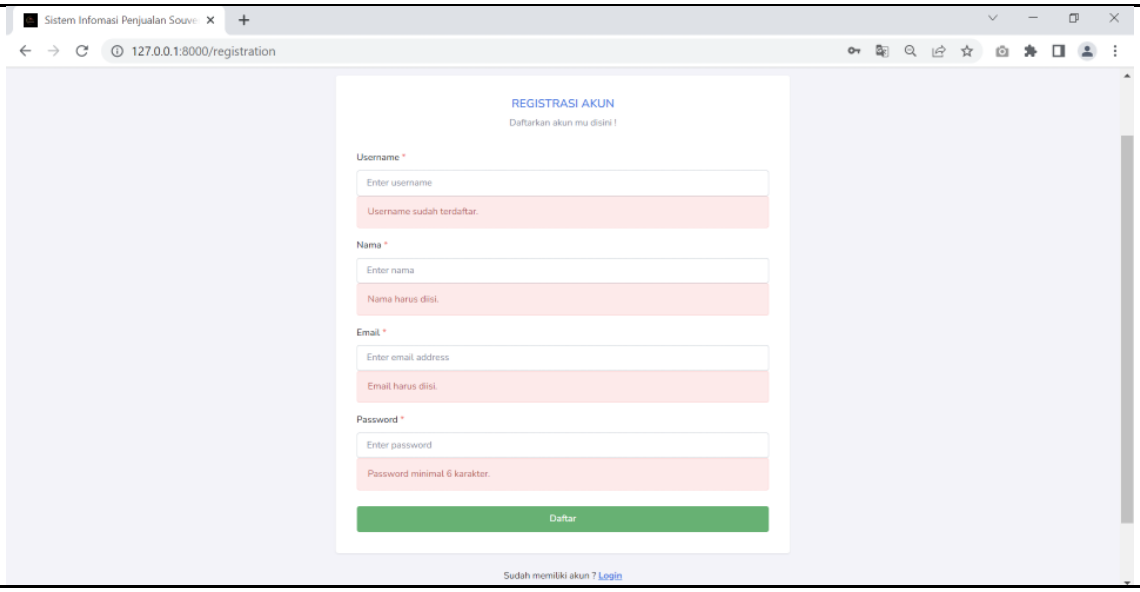
iv. The Console after Running

Finished after 0.038 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun6 (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter invalid username, invalid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



❖ Test Case 100

username	:	akuncoba7
nama	:	-
email	:	-
password	:	tes7

i. The test frame for every test case

```
#-- Test Case 100
Scenario: Test Registrasi Akun7
    Given open chrome and start application
    When I enter invalid username, invalid nama, invalid email and invalid password
    Then I cannot successfully registered an account
```

ii. The step definition

```
// Test Case 100
public class RegistrasiAkun {
WebDriver wd;

@Given("^open chrome and start application$")
public void open_chrome_and_start_application() throws Throwable {
    System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
    WebDriver wd = new ChromeDriver();
    wd.get("http://127.0.0.1:8000/registration");
}

@When("^I enter invalid username, invalid nama, invalid email and invalid password$")
public void I_enter_invalid_username_invalid_nama_invalid_email_and_invalid_password() throws Throwable {
    wd.findElement(By.id("username")).sendKeys("akuncoba7");
    wd.findElement(By.id("nama")).sendKeys("");
    wd.findElement(By.id("useremail")).sendKeys("");
    wd.findElement(By.id("userpassword")).sendKeys("tes7");
    throw new PendingException();
}

@Then("^I cannot successfully registered an account$")
public void I_cannot_successfully_registered_an_account() throws Throwable {
    wd.findElement(By.xpath("///html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[5]/button")).click();
    throw new PendingException();
}
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 16 [Akun 1 - Akun 100]*/

    //@Cucumber.Options(features = "Features_RegistrasiAkun", glue = "stepDefinition_RegistrasiAkun")
    @Cucumber.Options(features = "Features_RegistrasiAkun")

public class RegistrasiAkunTestRunner {
}
```

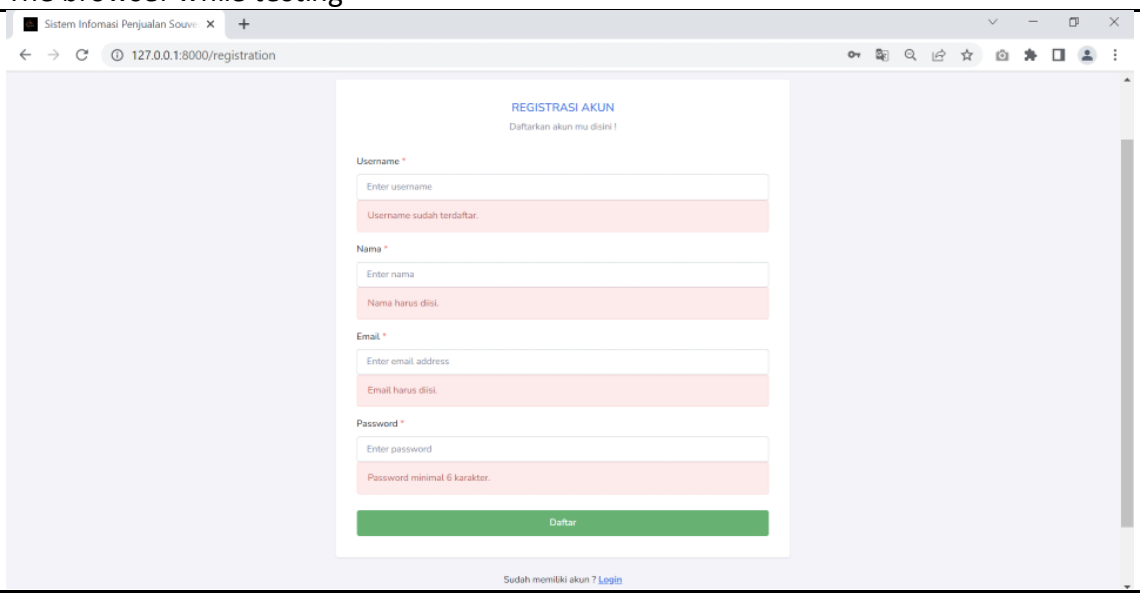
iv. The Console after Running

Finished after 0.036 seconds

Runs: 3/3 (4 skipped) Errors: 0 Failures: 0

- runner.RegistrasiAkunTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Registrasi Akun for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Registrasi Akun7 (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter invalid username, invalid nama, invalid email and invalid password (0.000 s)
      - Then I cannot successfully registered an account (0.000 s)

v. The browser while testing



3. Fungsi tambah produk

Jenis	Field					Jumlah Test Case
	nama product	jenis product	harga	image	deskripsi	
Scenario 1	valid	valid	valid	valid	valid	4
Scenario 2	valid	invalid	valid	valid	valid	4
Scenario 3	valid	valid	invalid	valid	valid	4
Scenario 4	valid	valid	valid	invalid	valid	4
Scenario 5	valid	valid	valid	valid	invalid	4
Scenario 6	valid	invalid	invalid	valid	valid	4
Scenario 7	valid	invalid	valid	invalid	valid	4
Scenario 8	valid	invalid	valid	valid	invalid	4
Scenario 9	valid	invalid	invalid	invalid	valid	4
Scenario 10	valid	invalid	valid	invalid	invalid	4
Scenario 11	valid	invalid	invalid	invalid	invalid	4
Scenario 12	valid	valid	invalid	invalid	valid	4
Scenario 13	valid	valid	invalid	valid	invalid	4
Scenario 14	valid	valid	invalid	invalid	invalid	4
Scenario 15	valid	valid	valid	invalid	invalid	4
Scenario 16	invalid	valid	valid	valid	valid	4
Scenario 17	invalid	invalid	valid	valid	valid	4
Scenario 18	invalid	valid	invalid	valid	valid	4
Scenario 19	invalid	valid	valid	invalid	valid	4
Scenario 20	invalid	valid	valid	valid	invalid	4
Scenario 21	invalid	invalid	invalid	valid	valid	4
Scenario 22	invalid	invalid	valid	invalid	valid	4
Scenario 23	invalid	invalid	valid	valid	invalid	4
Scenario 24	invalid	valid	invalid	invalid	invalid	4
Scenario 25	invalid	invalid	invalid	invalid	invalid	4
Total						100 test case

- Scenario 1: valid nama product, valid jenis product, valid harga and valid deskripsi [4 test case]
  - ❖ Test Case 1

username	:	Admin1
password	:	admin123
nama	:	Stola Horas
jenis	:	stola
harga	:	Rp 15.000
image	:	stolahoras1.jpeg
deskripsi	:	Barang baru diproduksi pabrik

i.	The test frame for every test case

```
# ==========================================================================================
# Scenario 1 valid nama, valid jenis, valid harga, valid image, valid deskripsi
# ==========================================================================================

## -- Test Case 1
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, jenis, harga, image and deskripsi
    Then I can add product successfully
```

ii. The step definition

```
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, jenis, harga, image and deskripsi$")
    public void I_enter_valid_nama_jenis_harga_image_and_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("Stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras1.png");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang baru diproduksi oleh pabrik");
        throw new PendingException();
    }
    @Then("^I can add product successfully$")
    public void I_can_add_product_successfully() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

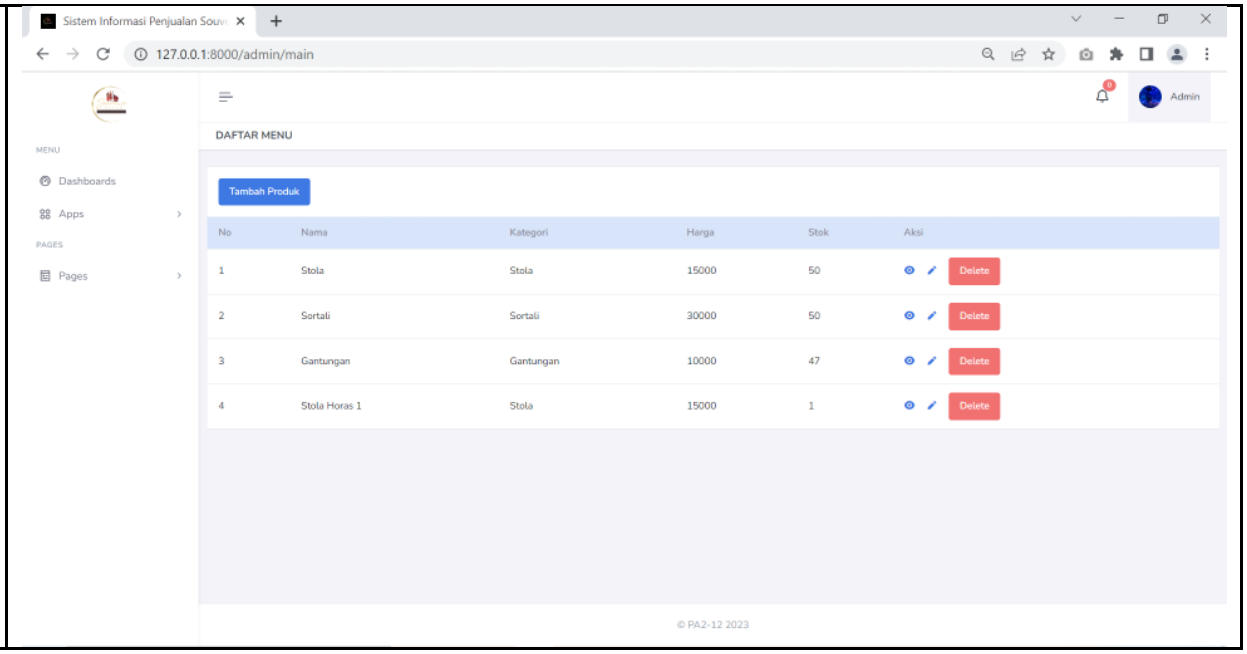
iv. The Console after Running

Finished after 0.027 seconds

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.001 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, jenis, harga, image and deskripsi (0.000 s)
      - Then I can add product successfully (0.000 s)

v. The browser while testing



❖ Test Case 2

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	stola
harga	:	Rp 15.000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, jenis, harga, image and deskripsi
    Then I can add product successfully
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, jenis, harga, image and deskripsi$")
    public void I_enter_valid_nama_jenis_harga_image_and_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("Stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I can add product successfully$")
    public void I_can_add_product_successfully() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Finished after 0.027 seconds

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.001 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, jenis, harga, image and deskripsi (0.000 s)
      - Then I can add product successfully (0.000 s)

v. The browser while testing

DAFTAR MENU

Tambah Produk

No	Nama	Kategori	Harga	Stok	Aksi
1	Stola	Stola	15000	50	Delete
2	Sortali	Sortali	30000	50	Delete
3	Gantungan	Gantungan	10000	47	Delete
4	Stola Horas 1	Stola	15000	1	Delete
5	Stola Horas 2	Stola	15000	1	Delete

❖ Test Case 3

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	stola
harga	:	Rp 15.000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, jenis, harga, image and deskripsi
    Then I can add product successfully
```

ii. The step definition

```
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, jenis, harga, image and deskripsi$")
    public void I_enter_valid_nama_jenis_harga_image_and_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("Stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I can add product successfully$")
    public void I_can_add_product_successfully() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Finished after 0.027 seconds

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.001 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, jenis, harga, image and deskripsi (0.000 s)
      - Then I can add product successfully (0.000 s)

v. The browser while testing

DAFTAR MENU

Tambah Produk

No	Nama	Kategori	Harga	Stok	Aksi
1	Stola	Stola	15000	50	Delete
2	Sortali	Sortali	30000	50	Delete
3	Gantungan	Gantungan	10000	47	Delete
4	Stola Horas 1	Stola	15000	1	Delete
5	Stola Horas 2	Stola	15000	1	Delete
6	Stola Horas 3	Stola	15000	1	Delete

❖ Test Case 4

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	stola
harga	:	Rp 15.000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, jenis, harga, image and deskripsi
    Then I can add product successfully
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, jenis, harga, image and deskripsi$")
    public void I_enter_valid_nama_jenis_harga_image_and_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("Stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I can add product successfully$")
    public void I_can_add_product_successfully() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

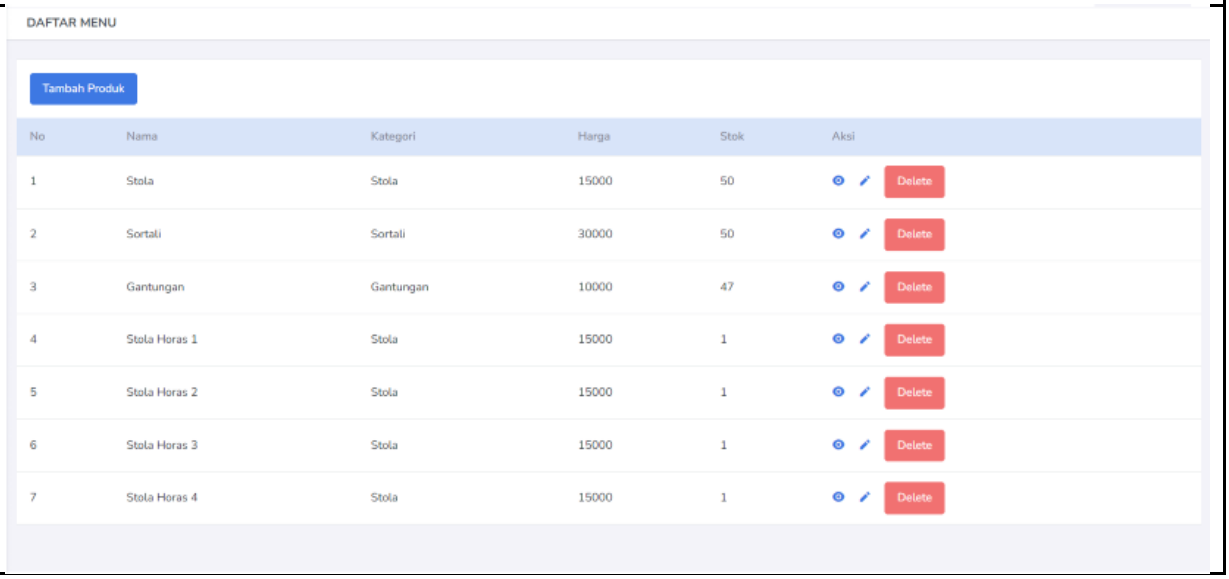
iv.	The Console after Running

Finished after 0.027 seconds

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.001 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, jenis, harga, image and deskripsi (0.000 s)
      - Then I can add product successfully (0.000 s)

v. The browser while testing



- Scenario 2: valid nama product, invalid jenis product, valid harga and valid deskripsi [4 test case]
  - ❖ Test Case 5

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	-
harga	:	Rp 15.000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================================#
# Scenario 2 valid nama, invalid jenis, valid harga, valid image, valid deskripsi
# ==========================================================================================================#

## -- Test Case 5
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

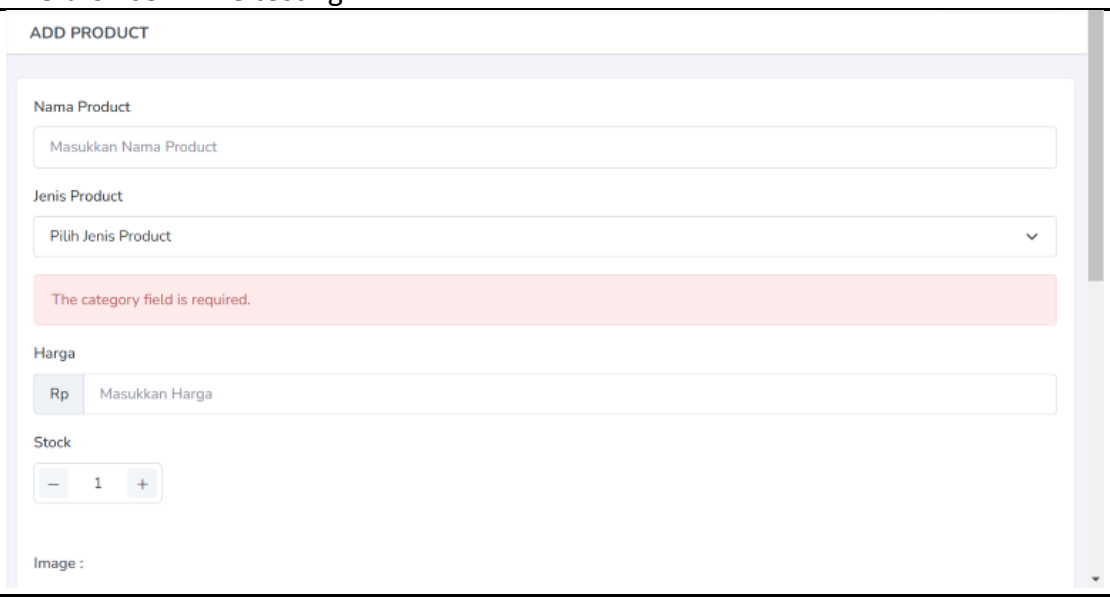
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v.	The browser while testing



❖ Test Case 6

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	-
harga	:	Rp 15.000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

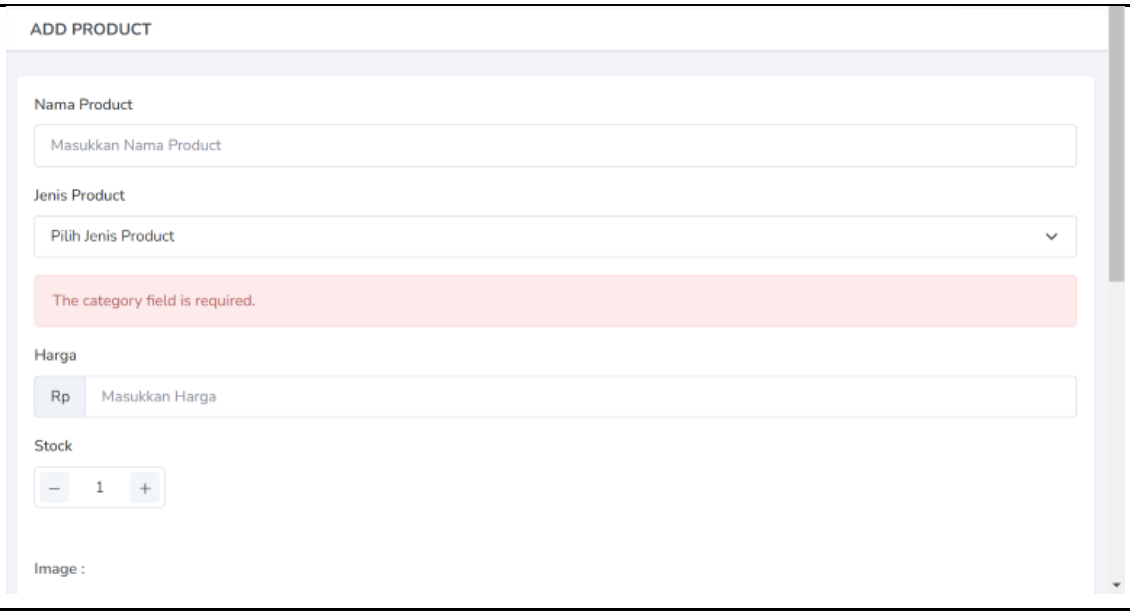
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 7

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	-
harga	:	Rp 15.000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

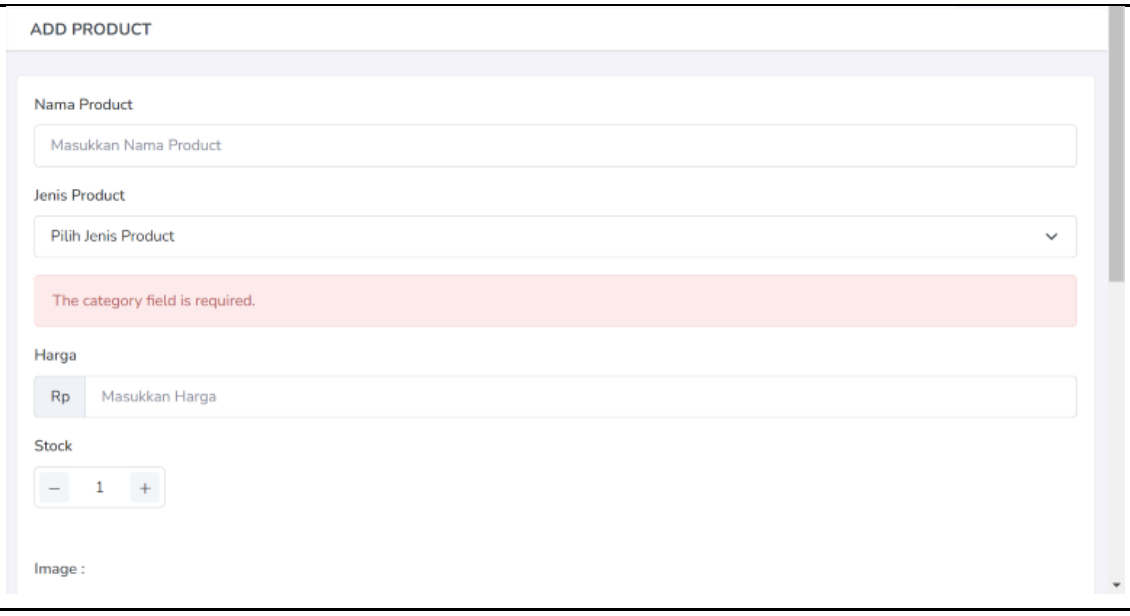
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 8

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	-
harga	:	Rp 15.000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

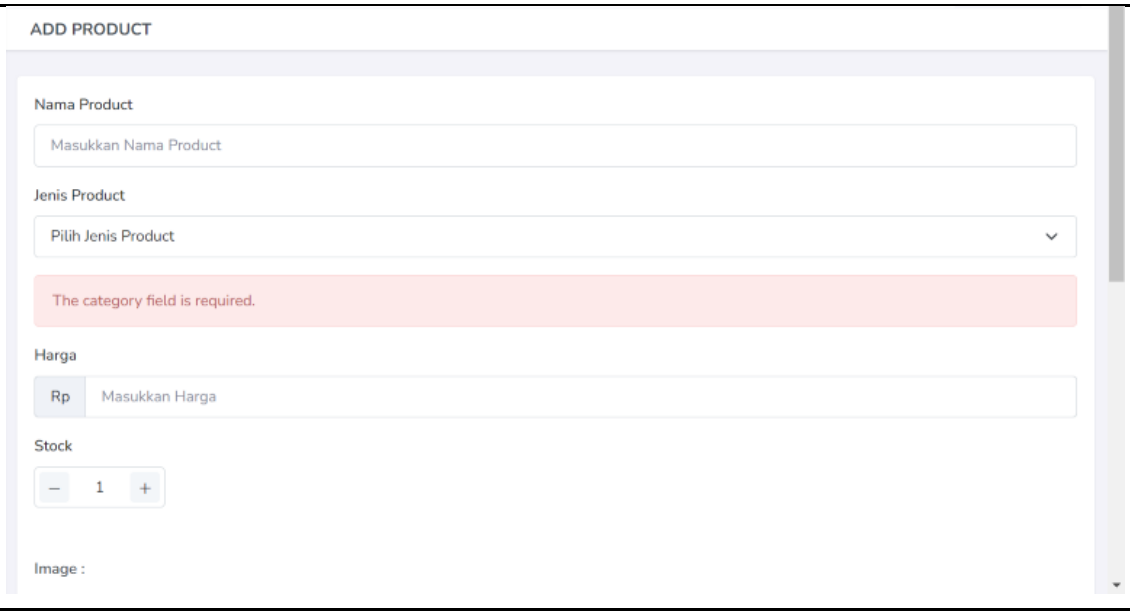
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, valid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 3: valid nama product, valid jenis product, invalid harga, valid image and valid deskripsi [4 test case]
  - ❖ Test Case 9

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 3 valid nama, valid jenis, invalid harga, valid image, valid deskripsi
# ==========================================================================================

## -- Test Case 9
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

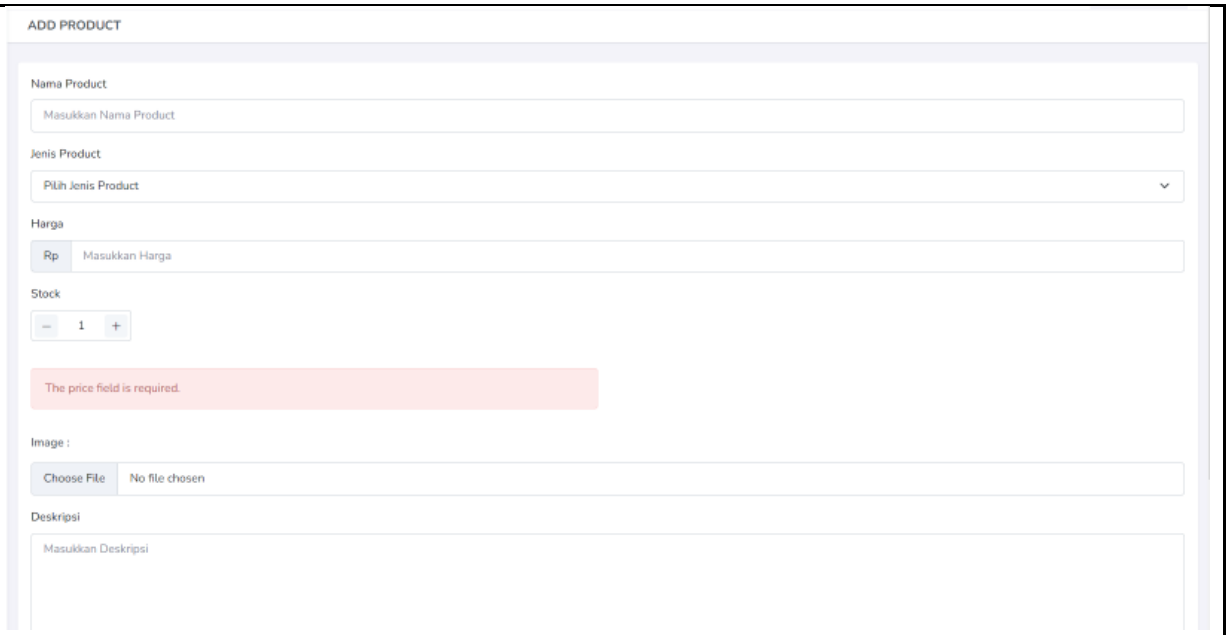
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 10

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

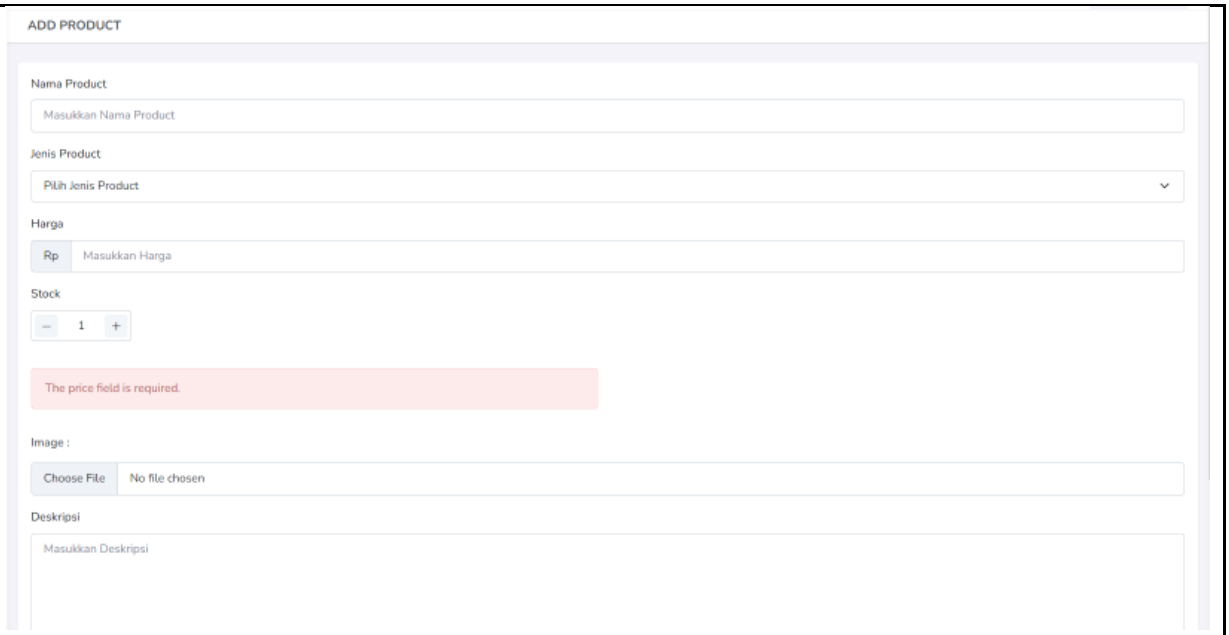
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 11

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

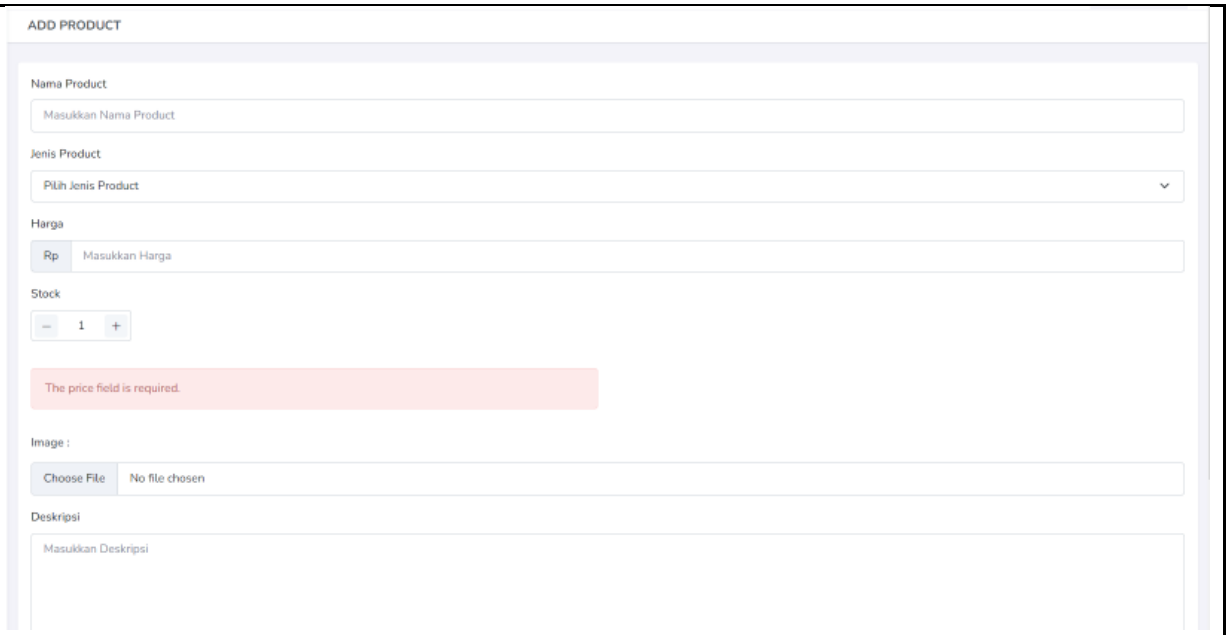
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 12

username	:	Admin4
password	:	admin123
nama	:	Stola Horas4
jenis	:	stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

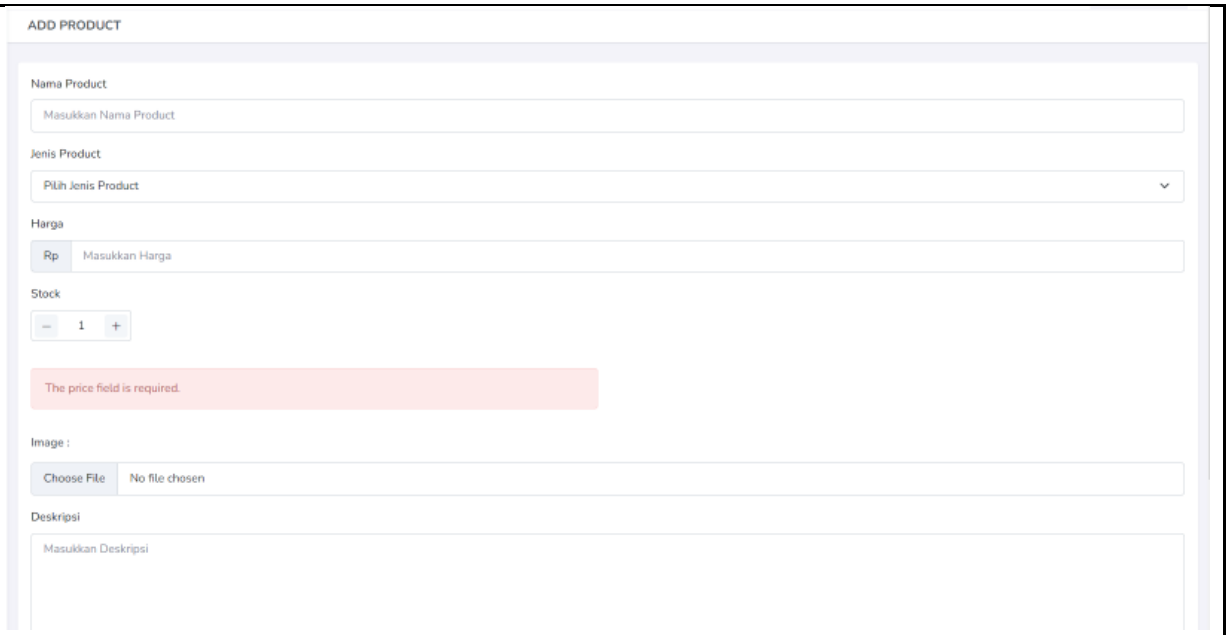
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, valid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 4: valid nama product, valid jenis product, valid harga, invalid image and valid deskripsi [4 test case]
  - ❖ Test Case 13

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	stola
harga	:	15.000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 4 valid nama, valid jenis, valid harga, invalid image, valid deskripsi
# ==========================================================================================

## -- Test Case 13
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

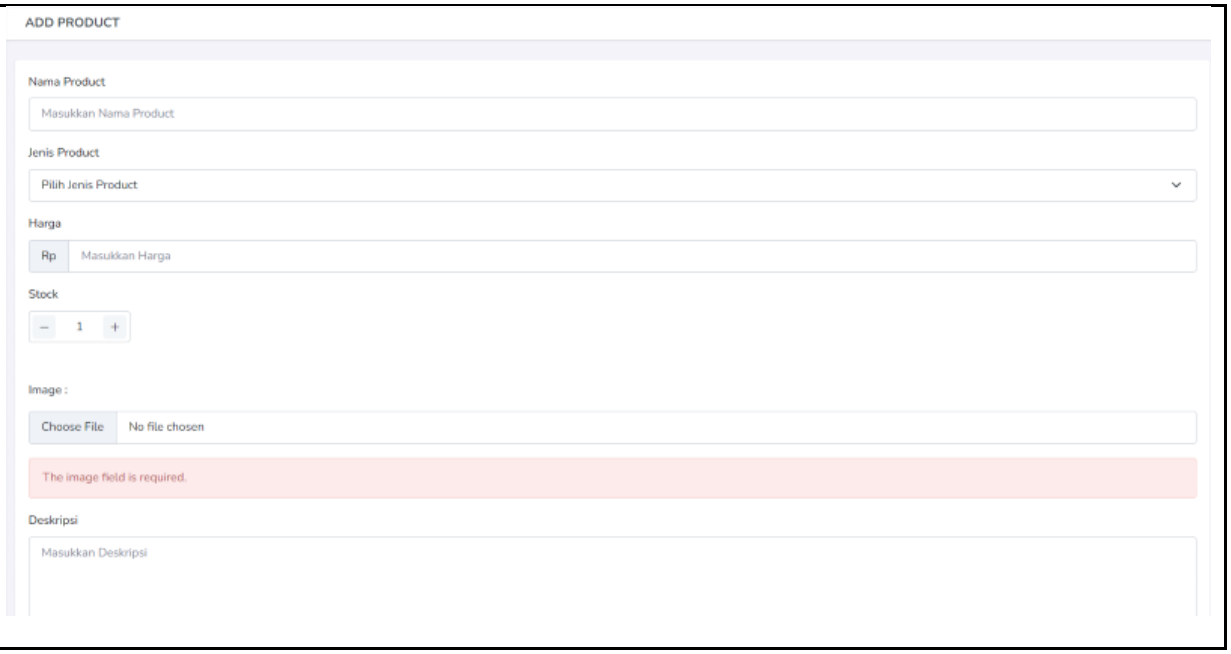
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 14

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	stola
harga	:	15.000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

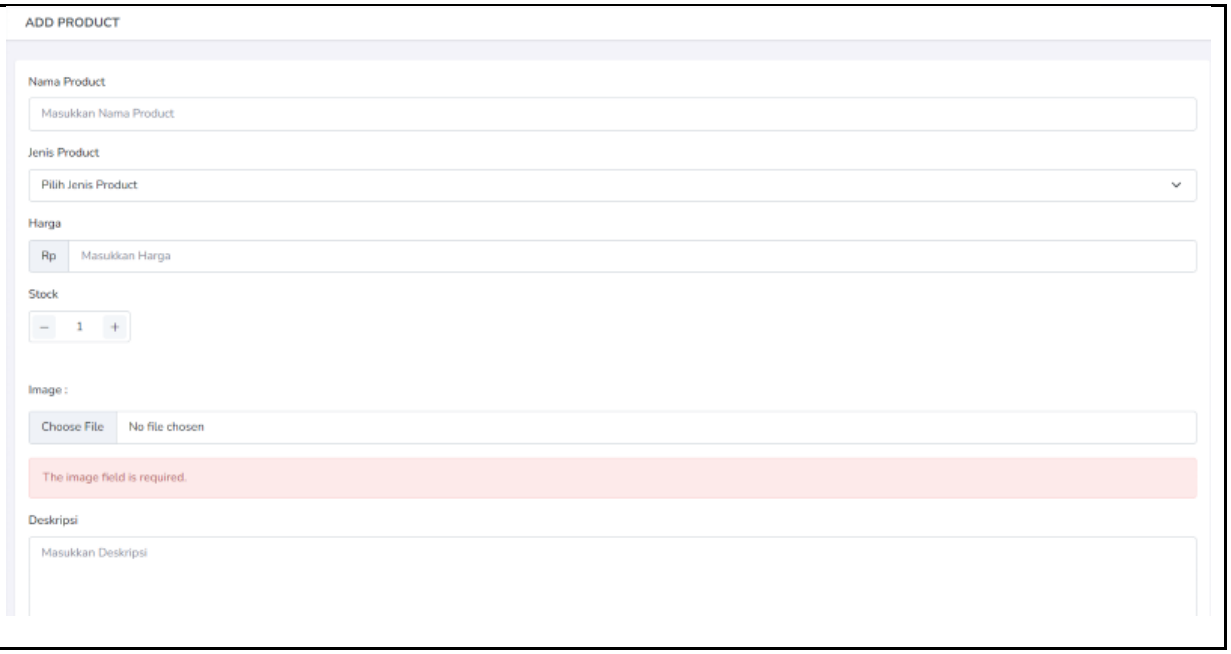
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 15

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	stola
harga	:	15.000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

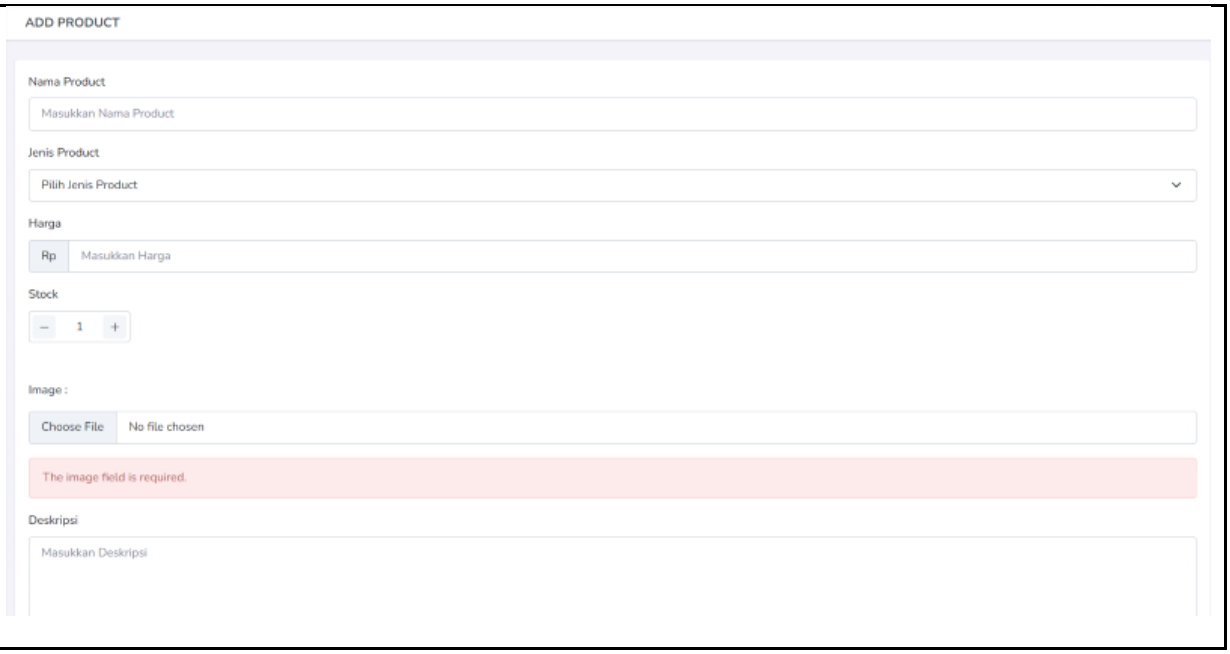
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 16

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	stola
harga	:	15.000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

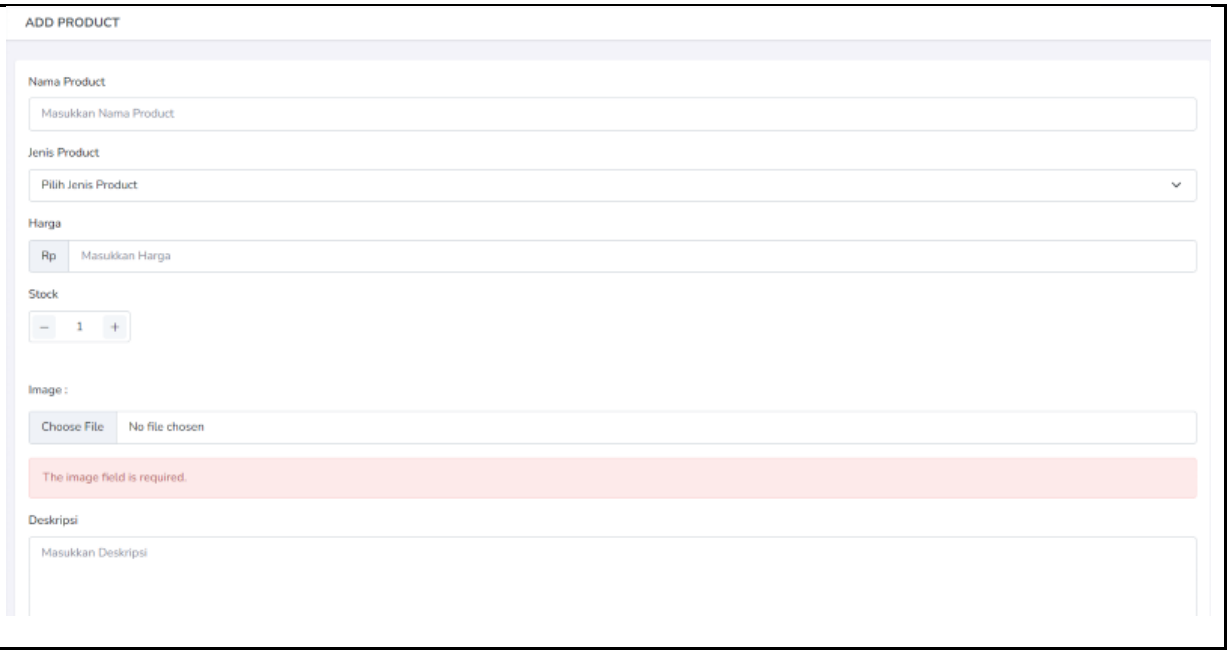
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, invalid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 5: valid nama product, valid jenis product, valid harga and invalid deskripsi [4 test case]
  - ❖ Test Case 17

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	stola
harga	:	15.000
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 5 valid nama, valid jenis, valid harga, valid image, invalid deskripsi
# ==========================================================================================#

## -- Test Case 17
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

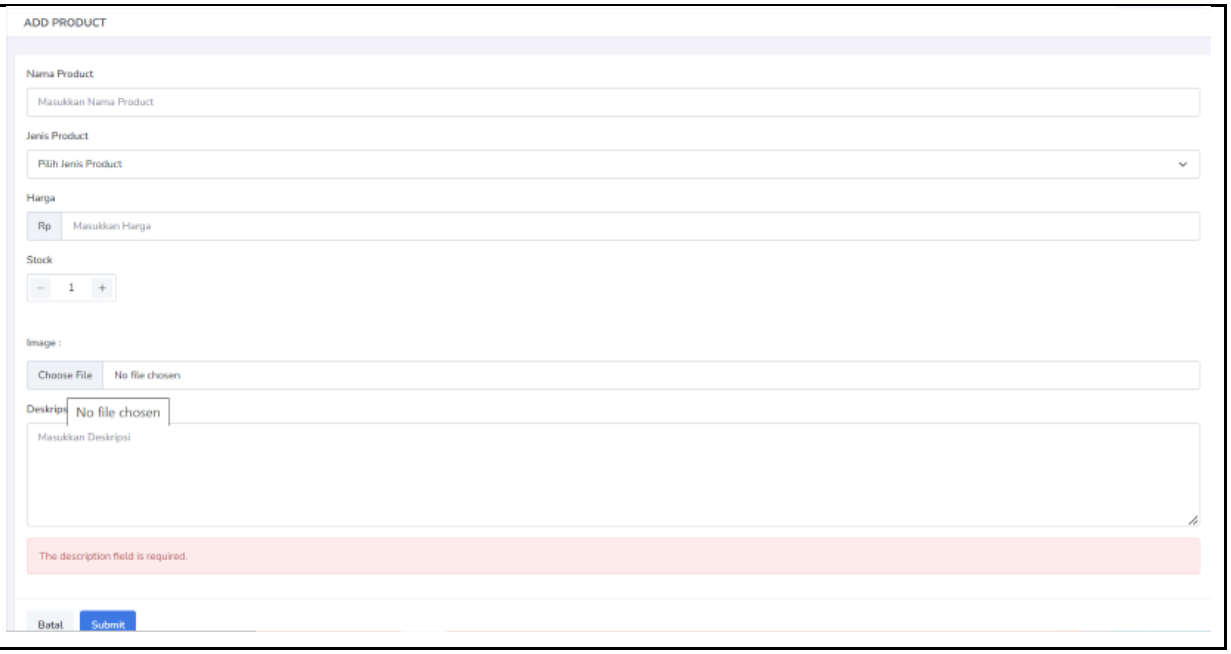
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 18

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	stola
harga	:	15.000
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

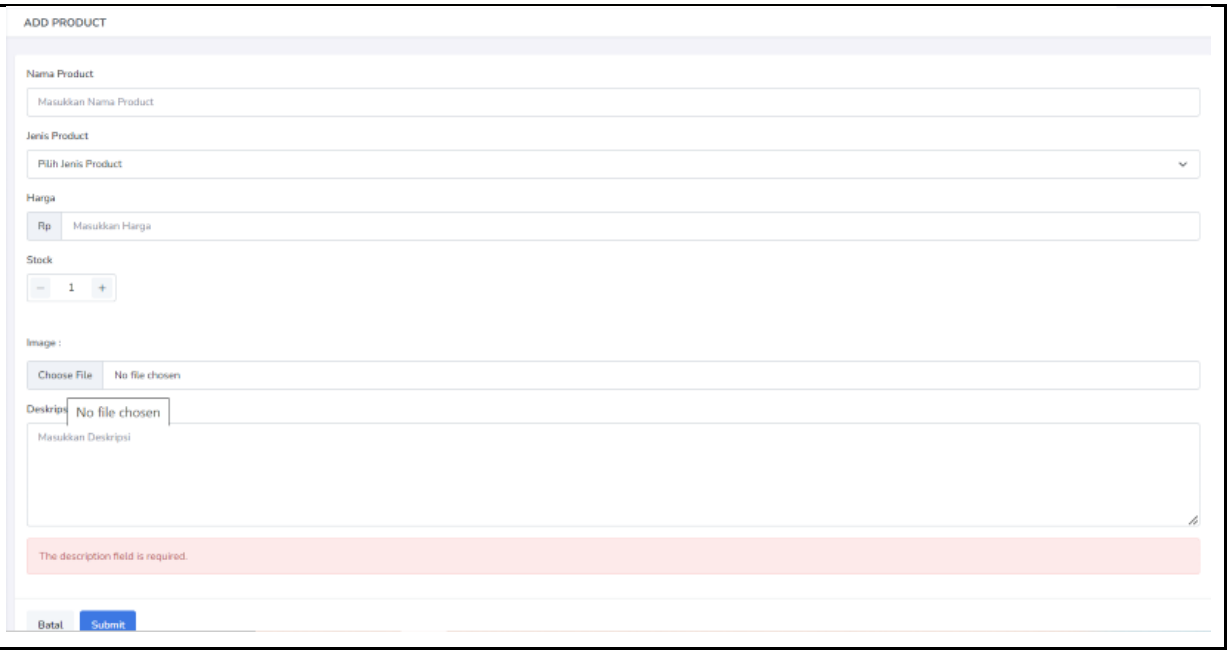
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 19

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	stola
harga	:	15.000
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

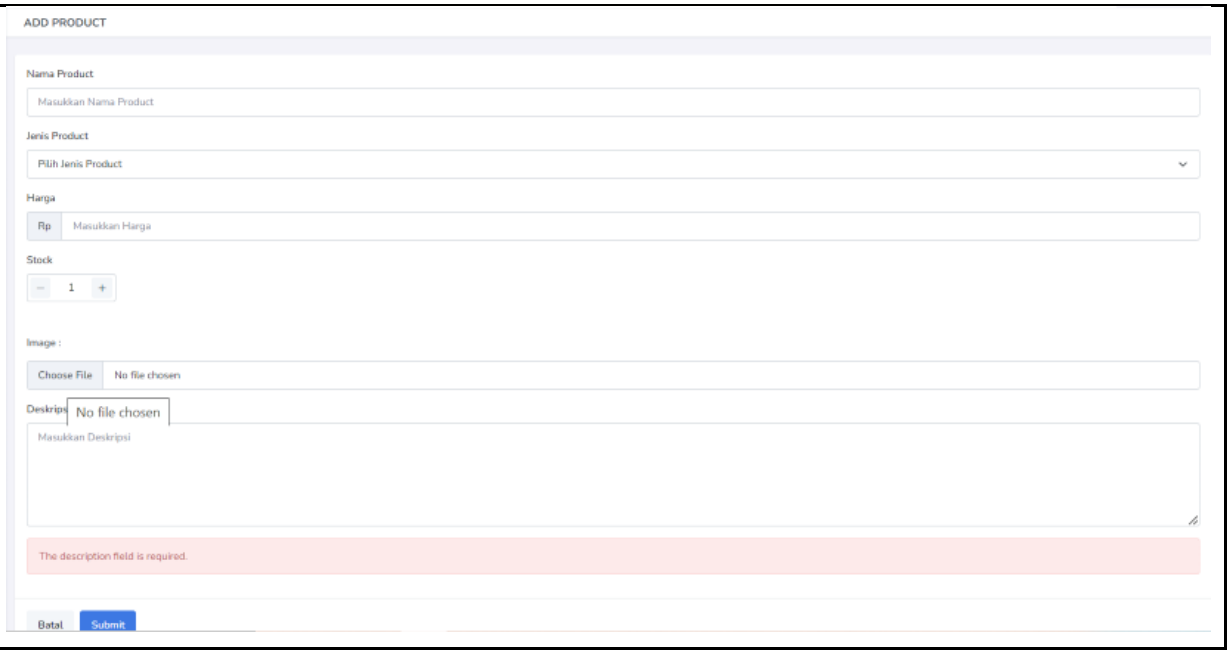
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 20

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	stola
harga	:	15.000
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

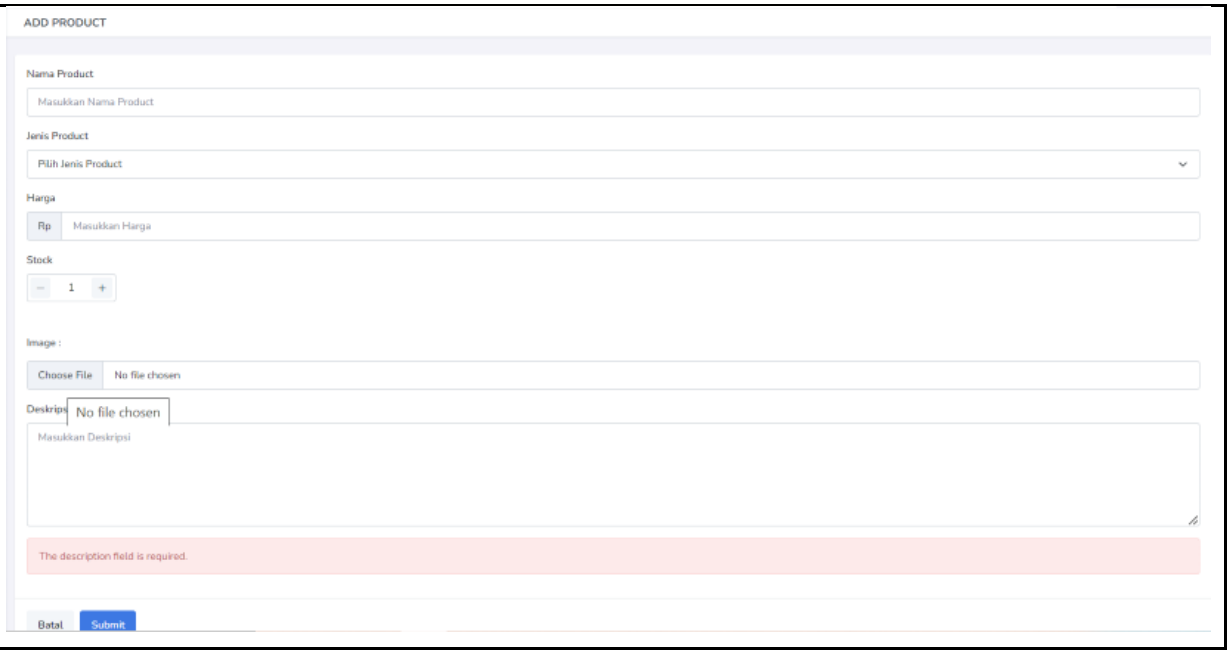
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, valid image and invalid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 6: valid nama product, invalid jenis product, invalid harga, valid image and valid deskripsi [4 test case]
  - ❖ Test Case 21

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	-
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 6 valid nama, invalid jenis, invalid harga, valid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 21
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

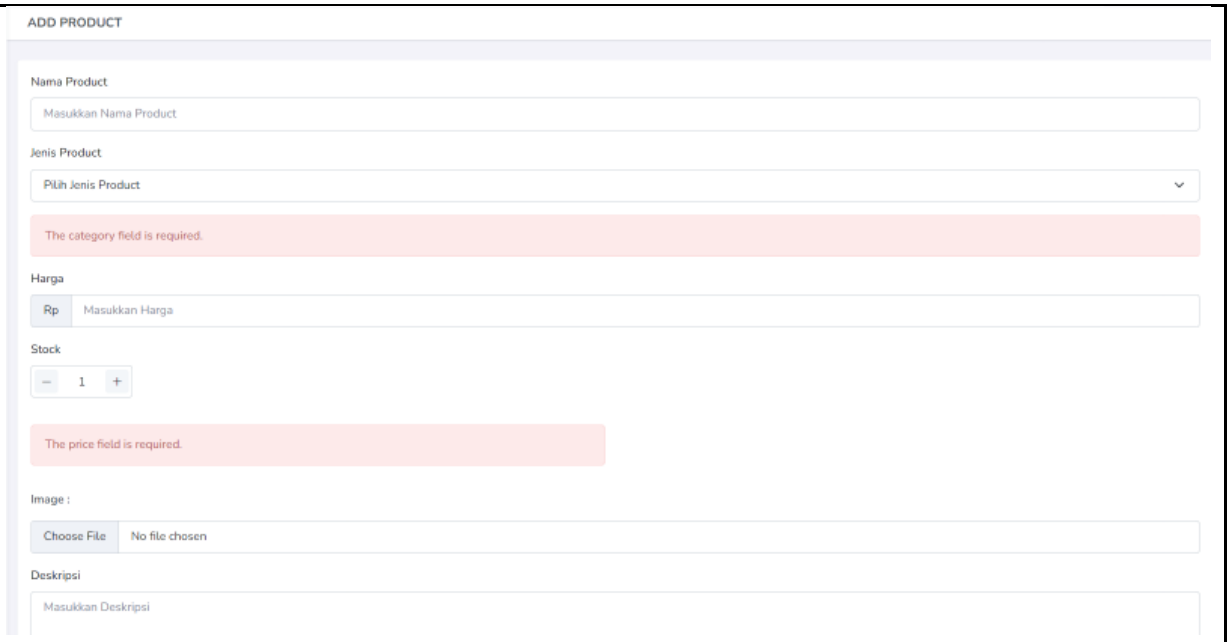
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi (0.000 s
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 22

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	-
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

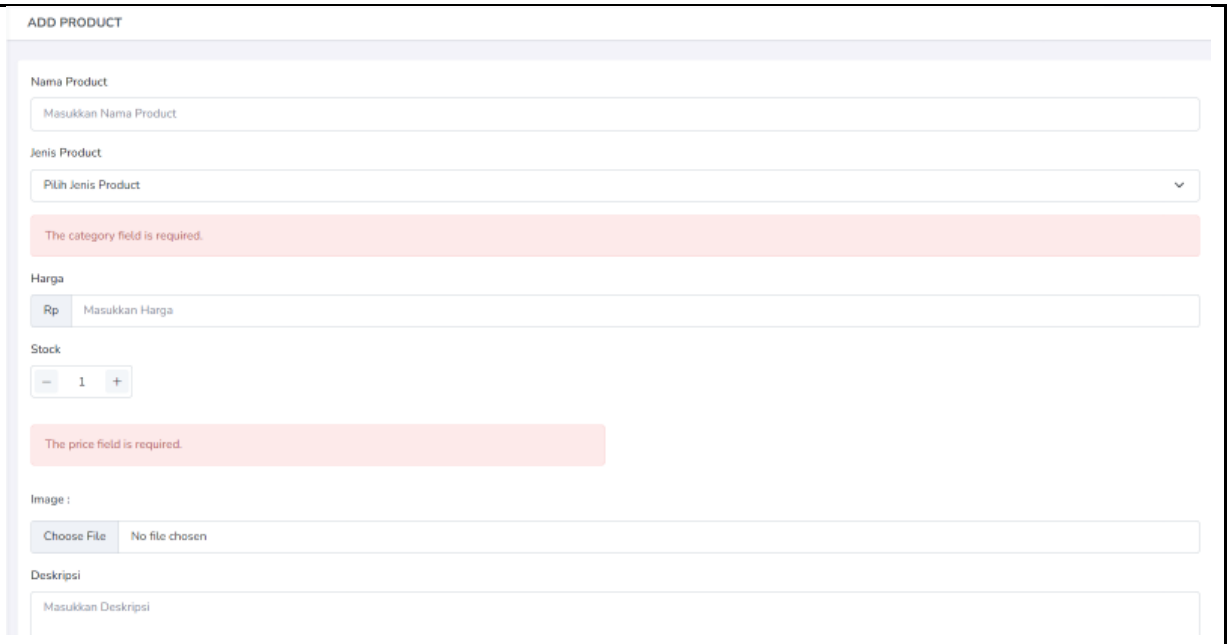
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi (0.000 s
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 23

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	-
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

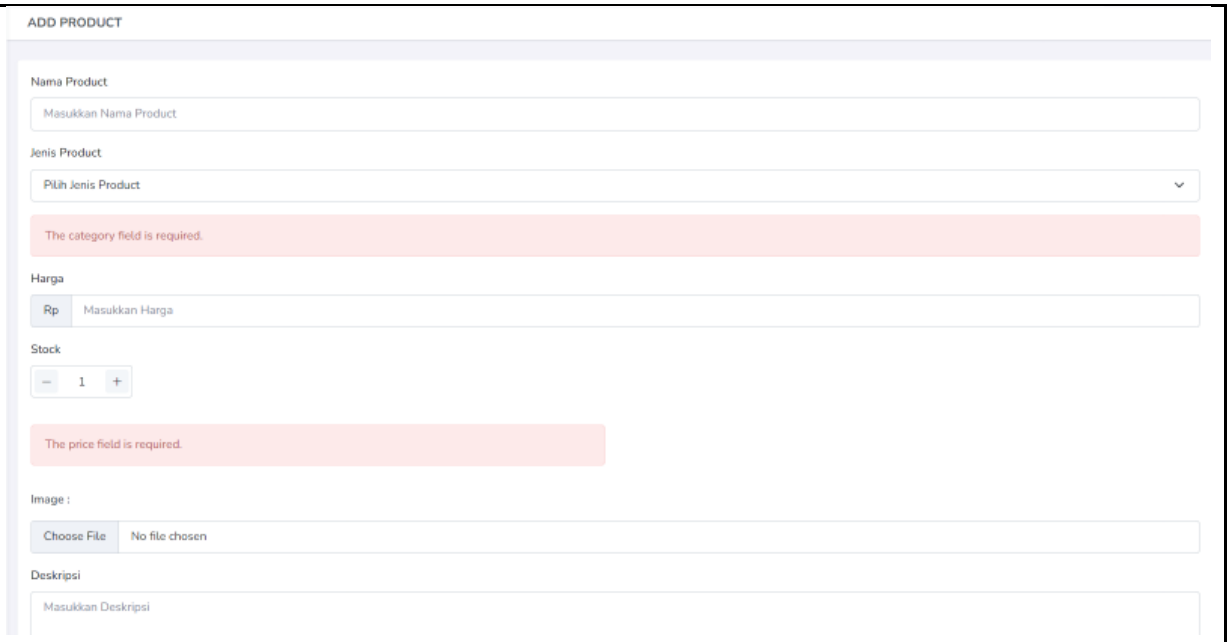
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi (0.000 s
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 24

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	-
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

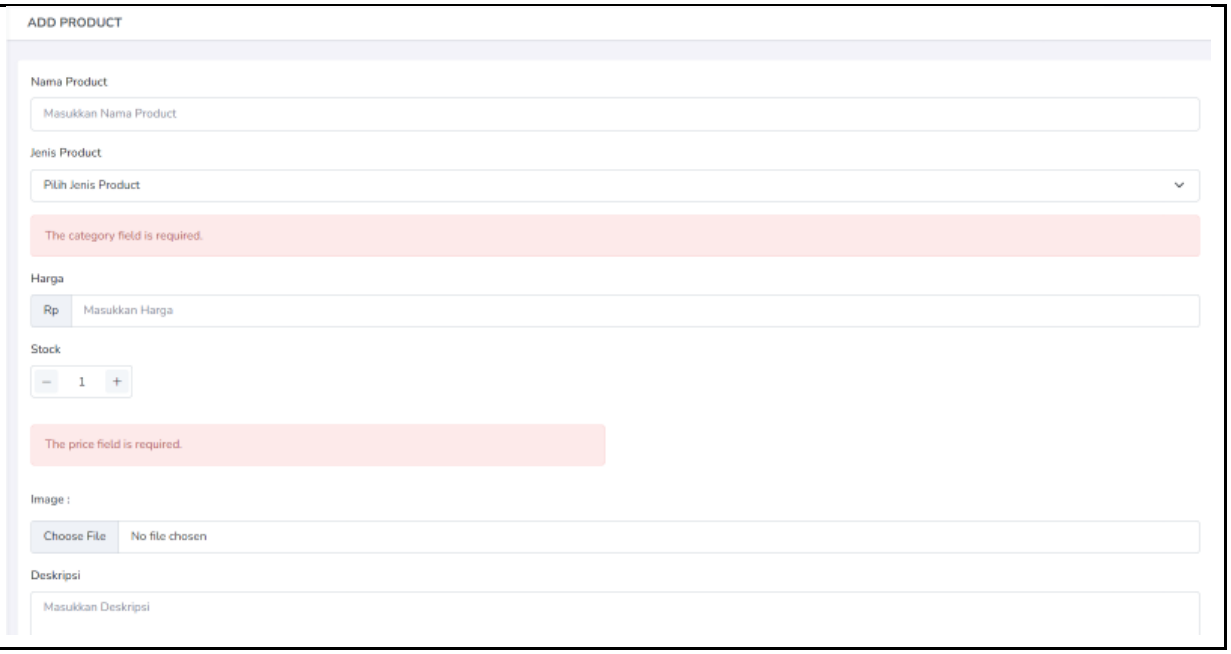
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, valid image and valid deskripsi (0.000 s
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 7: valid nama product, invalid jenis product, valid harga, invalid image and valid deskripsi [4 test case]
  - ❖ Test Case 25

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================================#
# Scenario 7 valid nama, invalid jenis, valid harga, invalid image, valid deskripsi
# ==========================================================================================================#

## -- Test Case 25
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

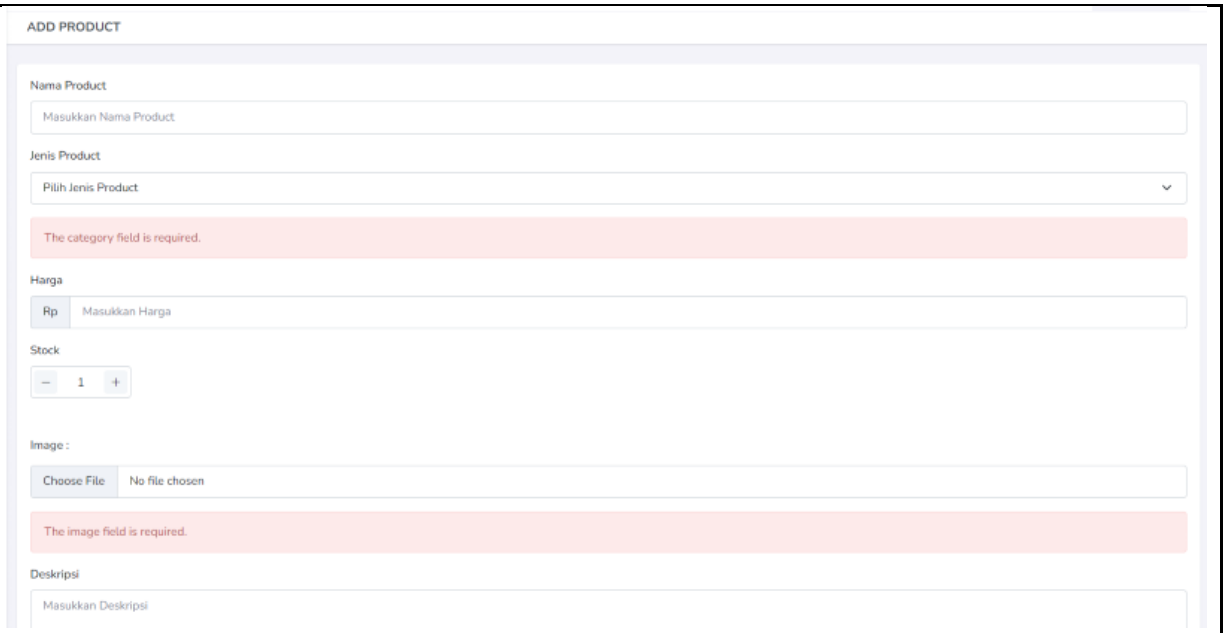
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 26

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

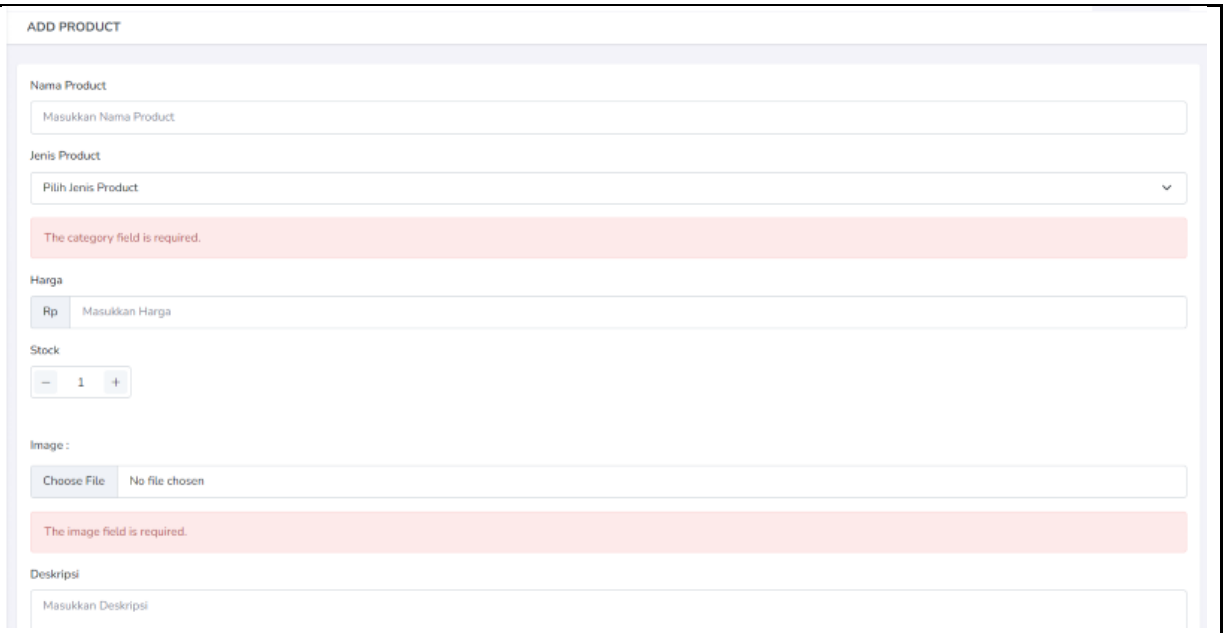
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi (0.000 s)
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 27

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

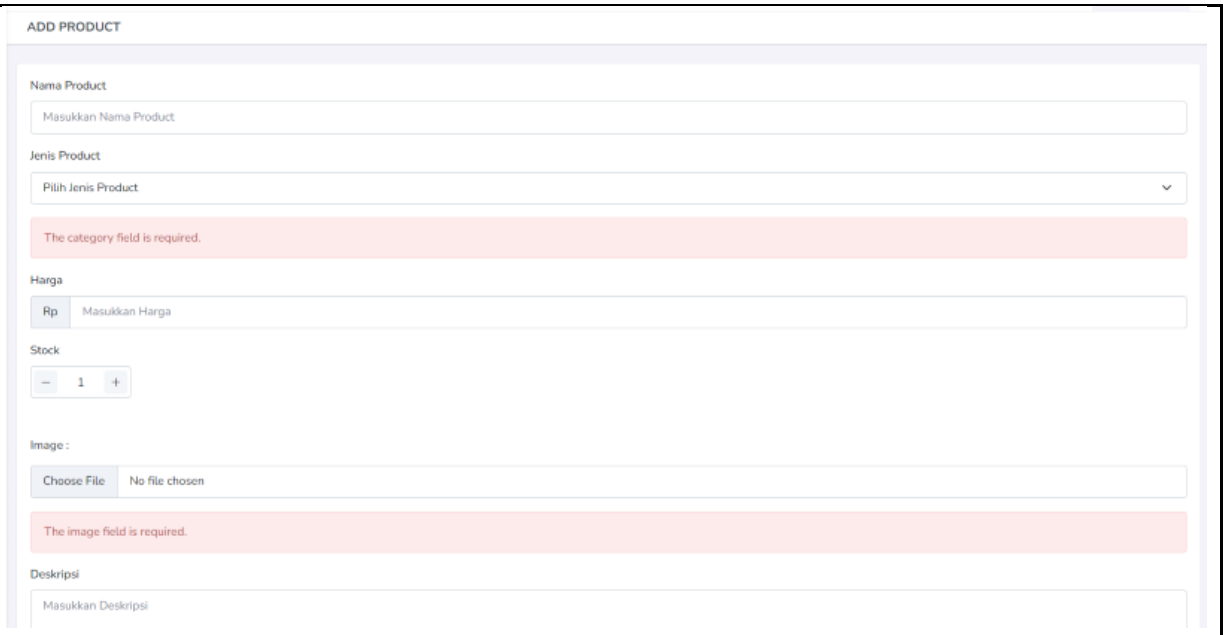
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi (0.000 s
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 28

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

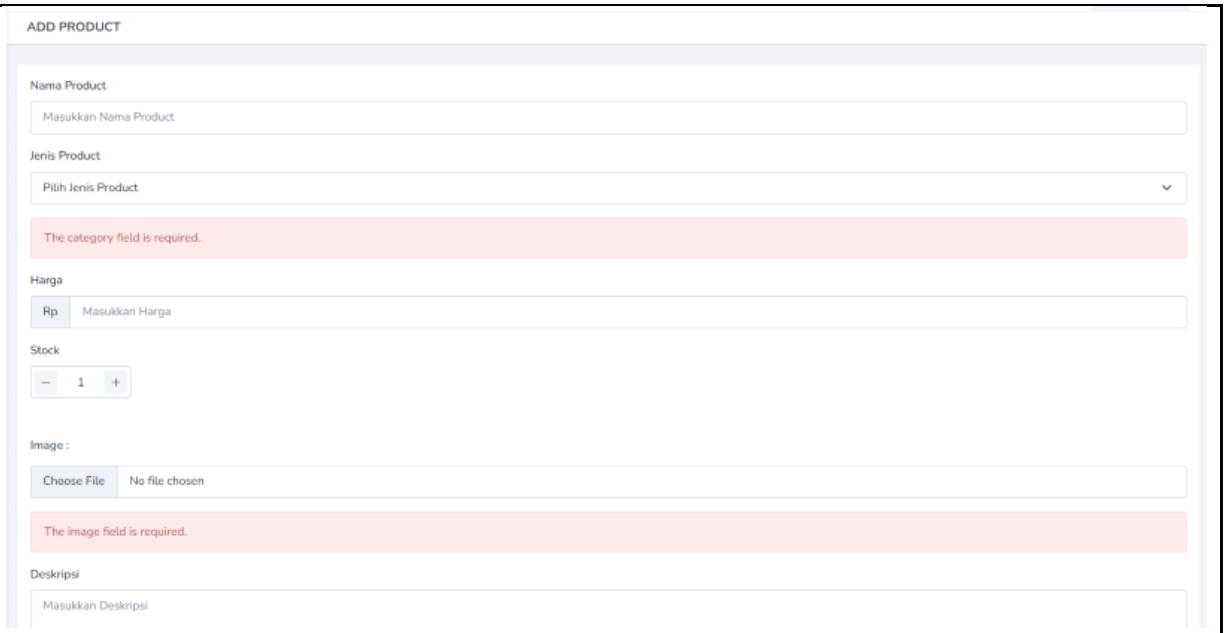
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi (0.000 s
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 8: valid nama product, invalid jenis product, valid harga, valid image and invalid deskripsi [4 test case]
  - ❖ Test Case 29

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	-
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 8 valid nama, invalid jenis, valid harga, valid image, invalid deskripsi
# ==========================================================================================#

## -- Test Case 29
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

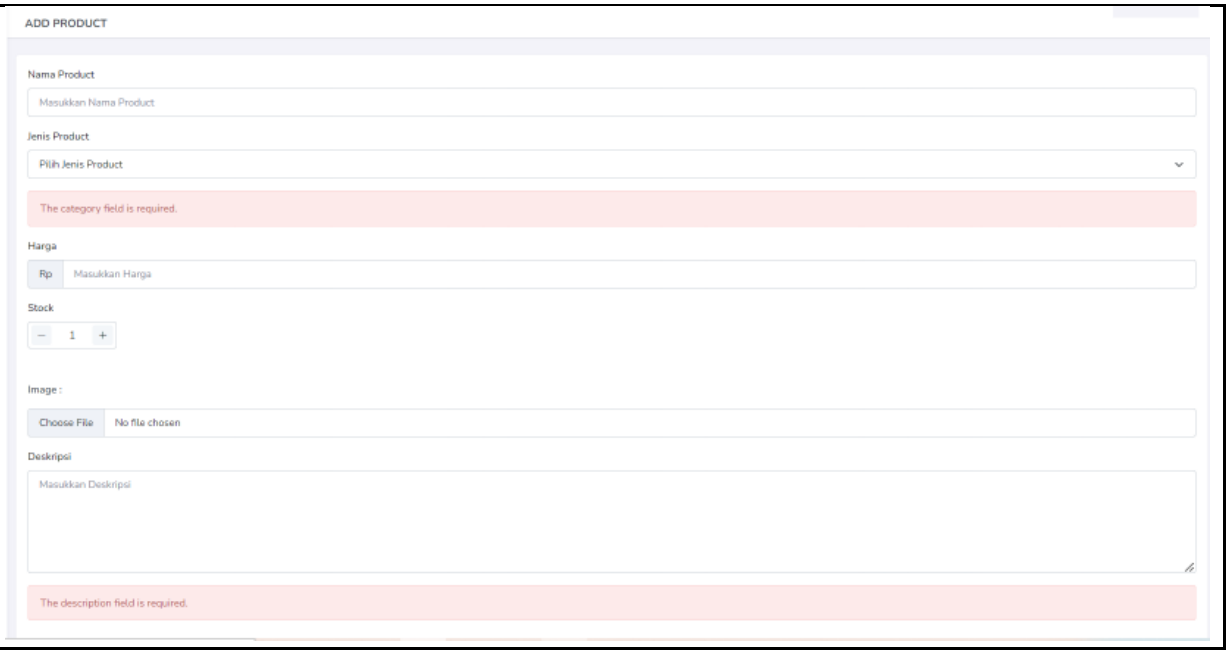
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.001 s)
      - Then I enter valid nama, invalid jenis, valid harga, valid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 30

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	-
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

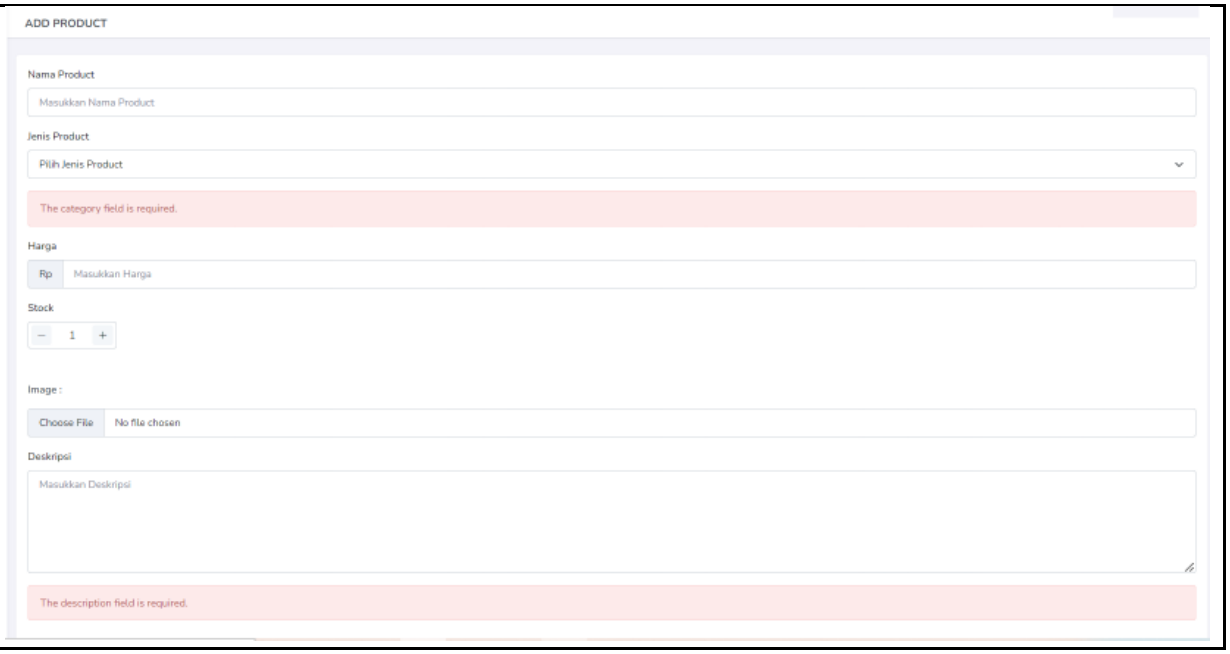
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.001 s)
      - Then I enter valid nama, invalid jenis, valid harga, valid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 31

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	-
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	-

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

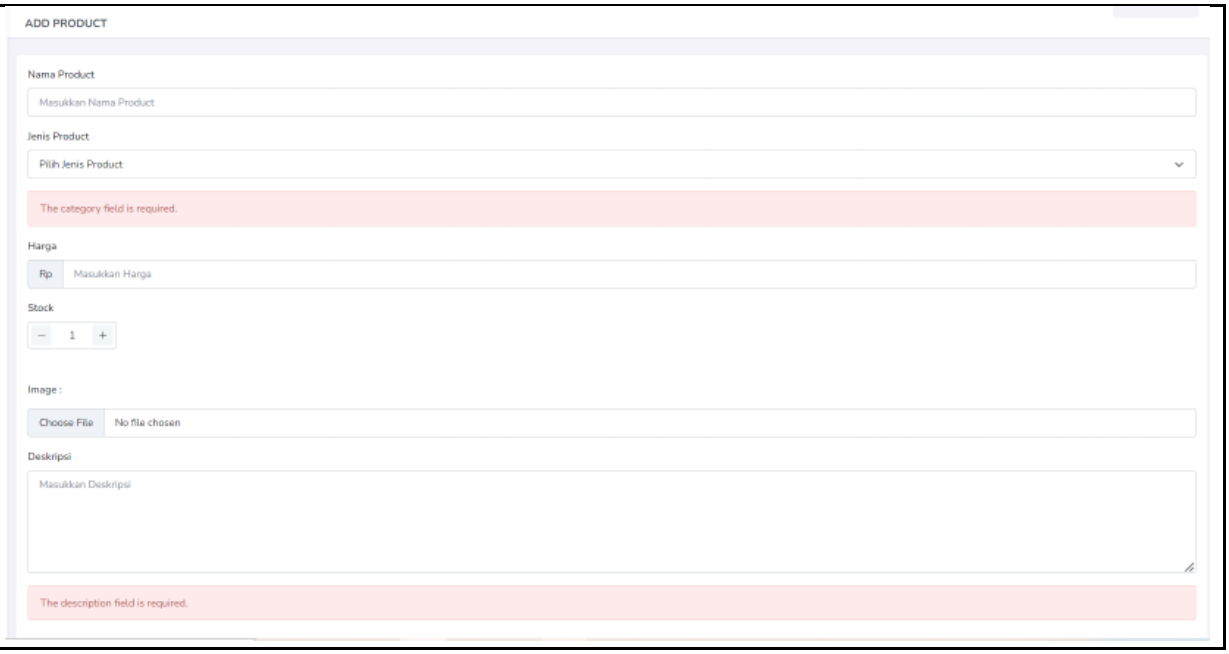
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.001 s)
      - Then I enter valid nama, invalid jenis, valid harga, valid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 32

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	-
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	-

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

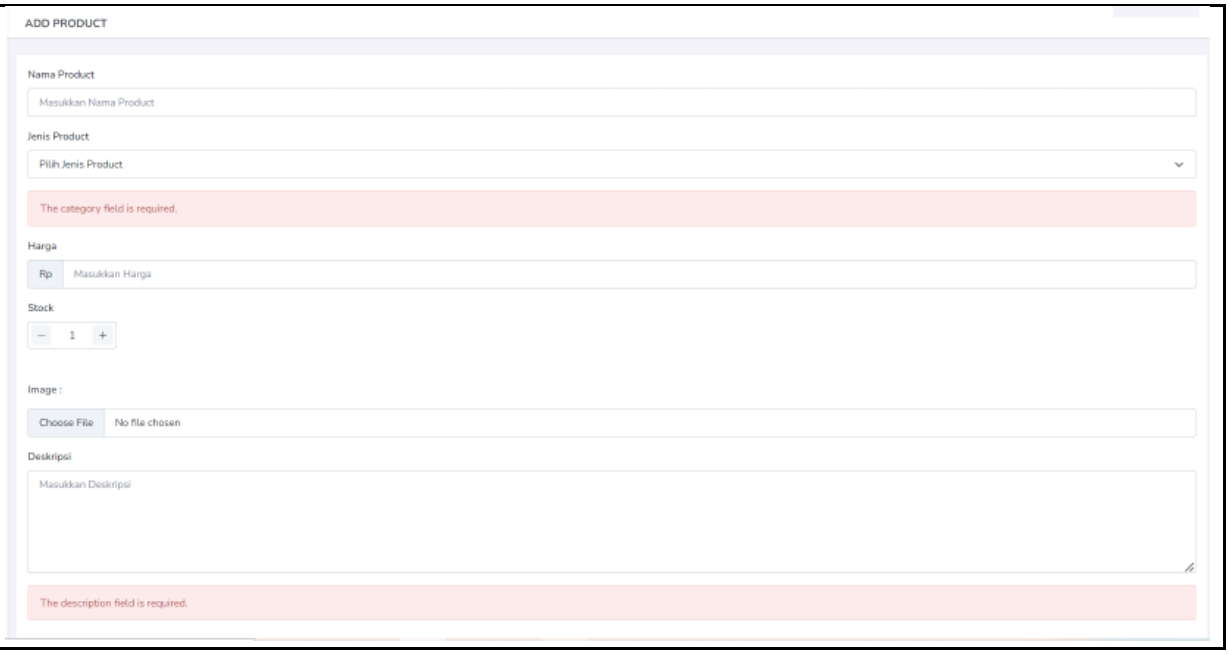
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.001 s)
      - Then I enter valid nama, invalid jenis, valid harga, valid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 9: valid nama product, invalid jenis product, invalid harga, invalid image and valid deskripsi [4 test case]
  - ❖ Test Case 33

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 9 valid nama, invalid jenis, invalid harga, invalid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 33
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

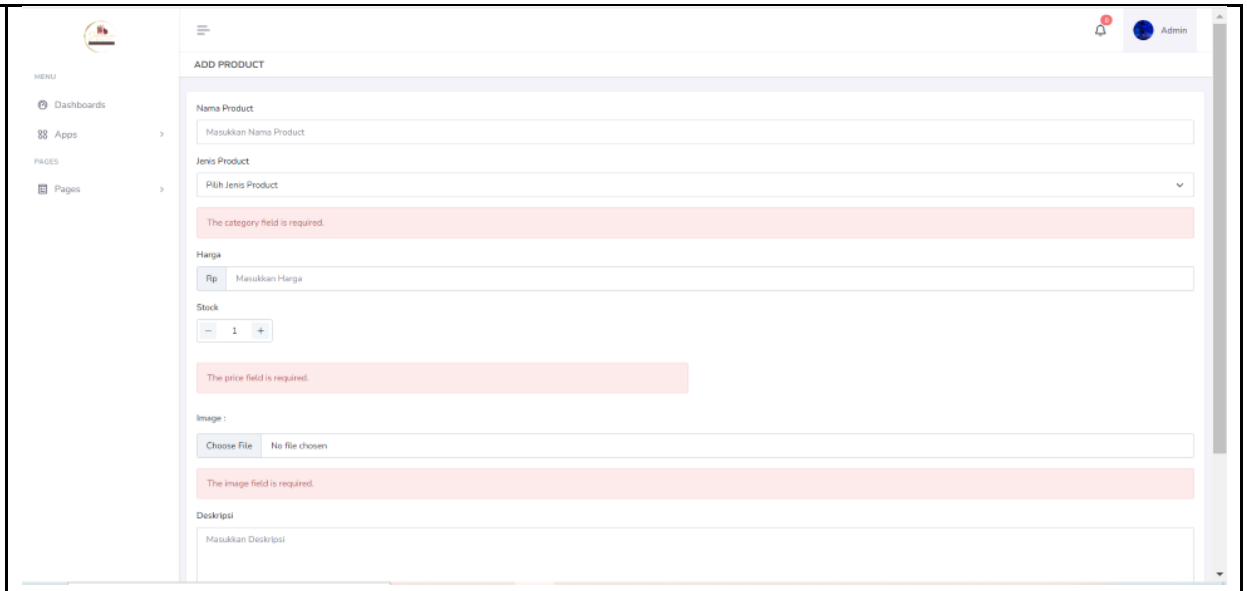
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 34

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

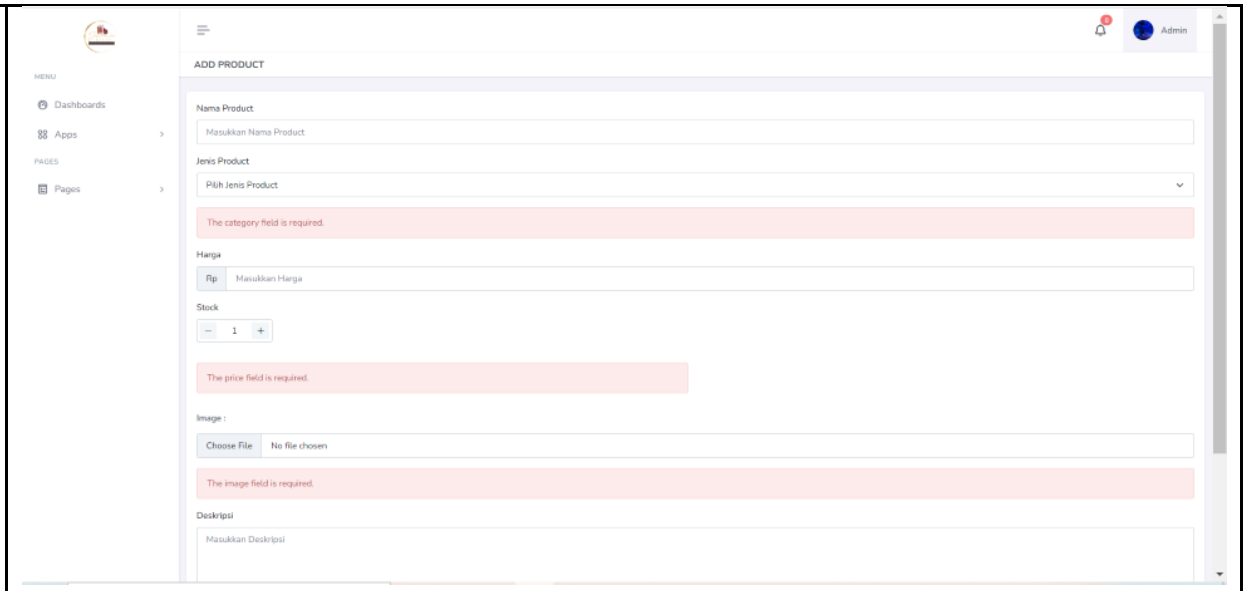
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 35

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	Barang bagus

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing

❖ Test Case 36

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	Barang bagus

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

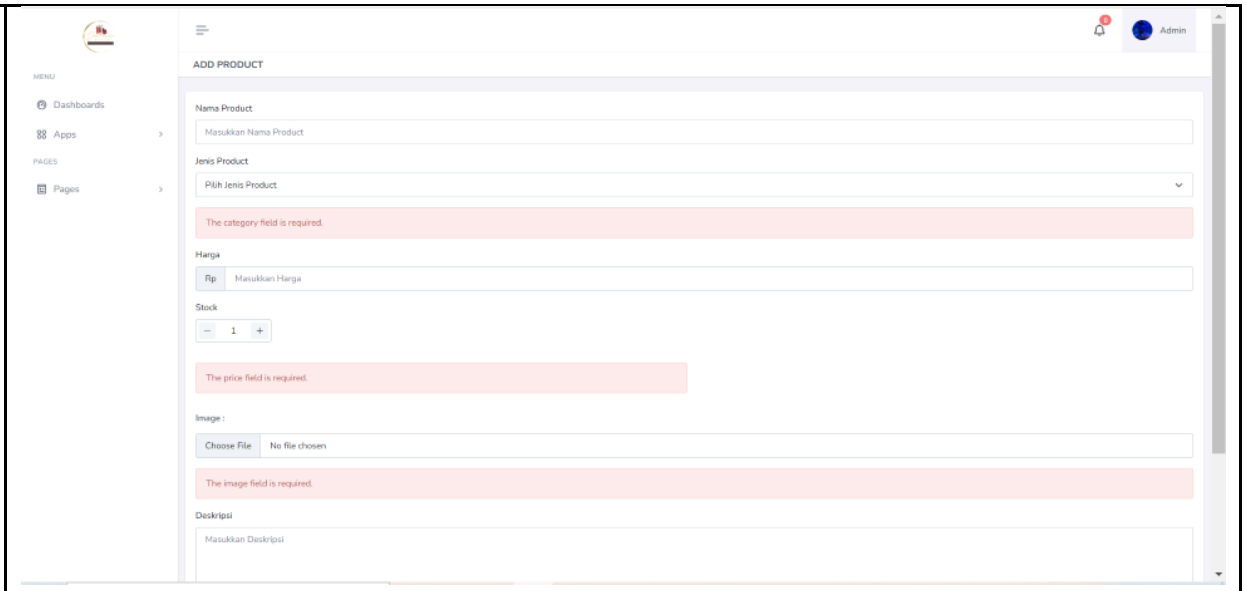
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 10: valid nama product, invalid jenis product, valid harga, invalid image and invalid deskripsi [4 test case]
  - ❖ Test Case 37

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 10 valid nama, invalid jenis, valid harga, invalid image, invalid deskripsi
# ==========================================================================================#

## -- Test Case 37
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

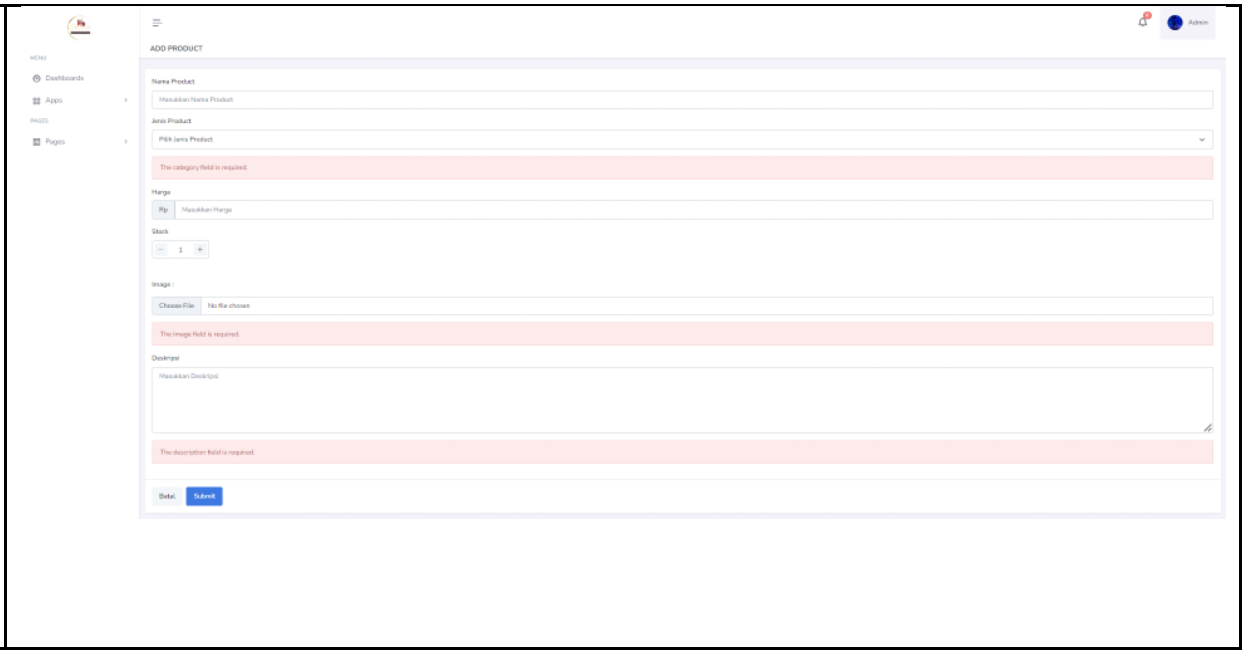
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 38

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

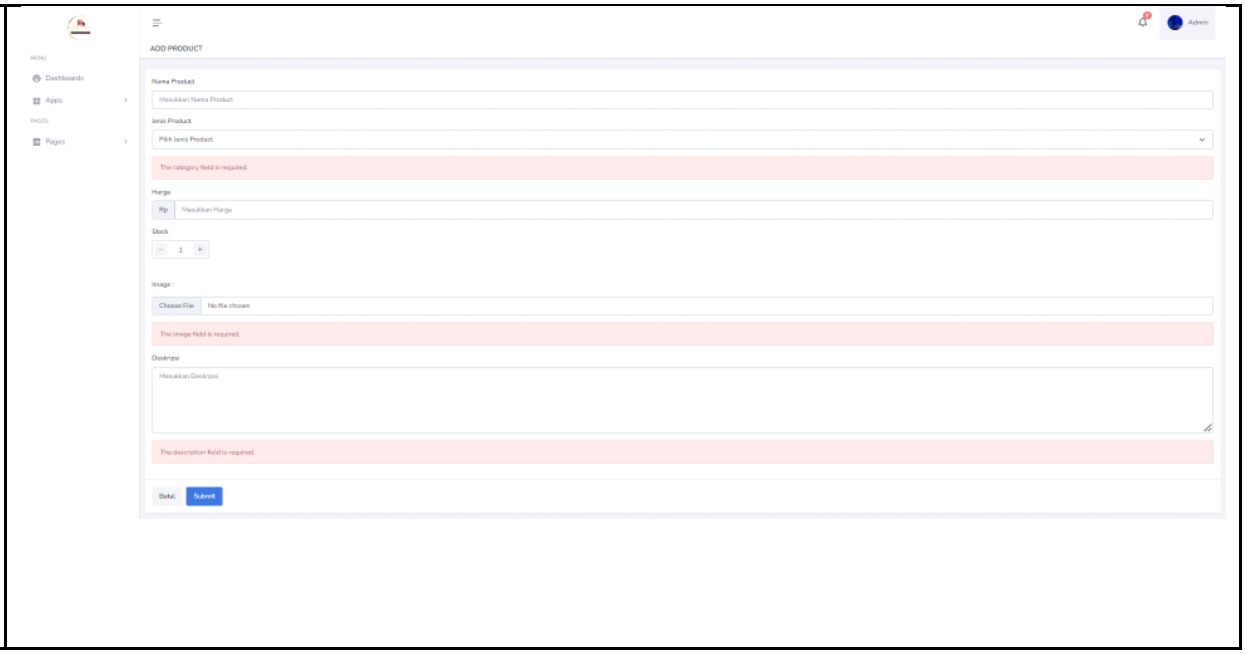
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 39

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

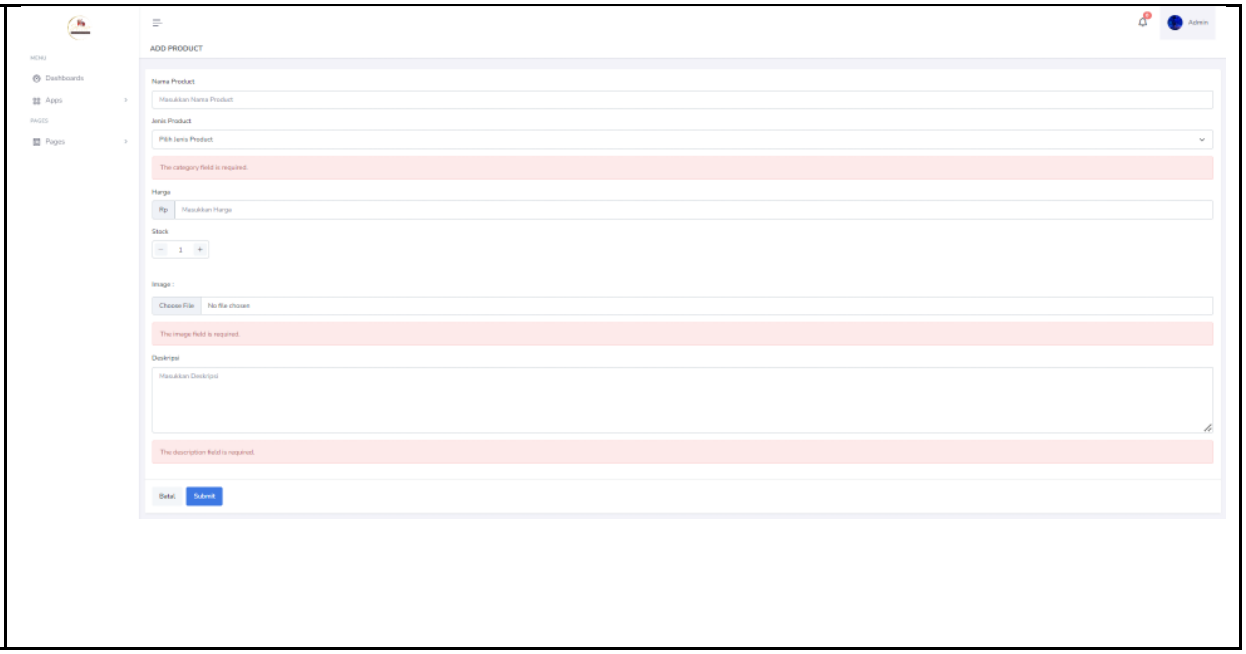
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 40

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_valid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

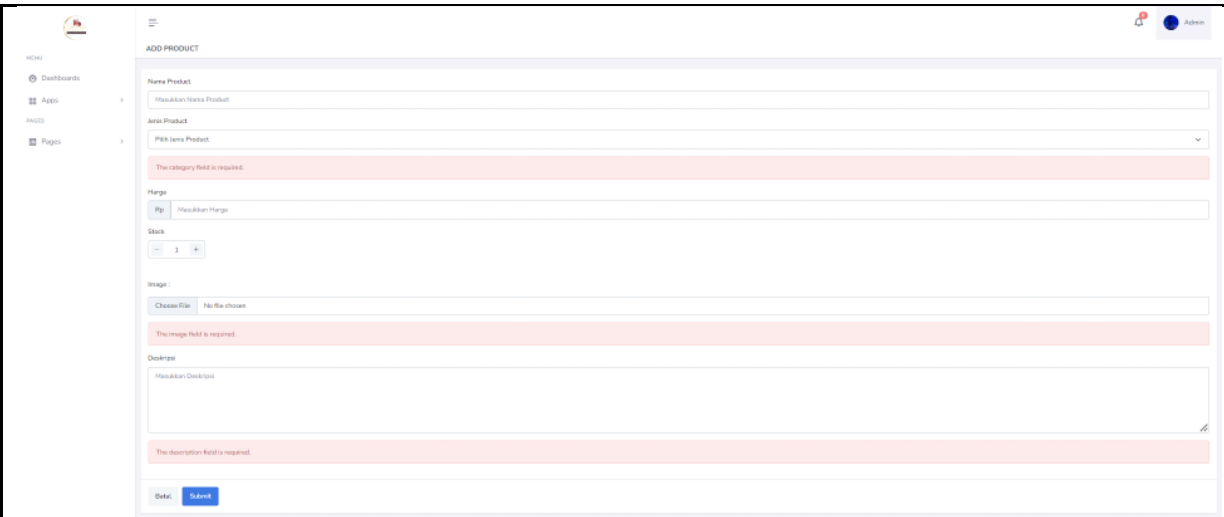
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, valid harga, invalid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 11: valid nama product, invalid jenis product, invalid harga, invalid image and invalid deskripsi [4 test case]
  - ❖ Test Case 41

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 11 valid nama, invalid jenis, invalid harga, invalid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 41
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

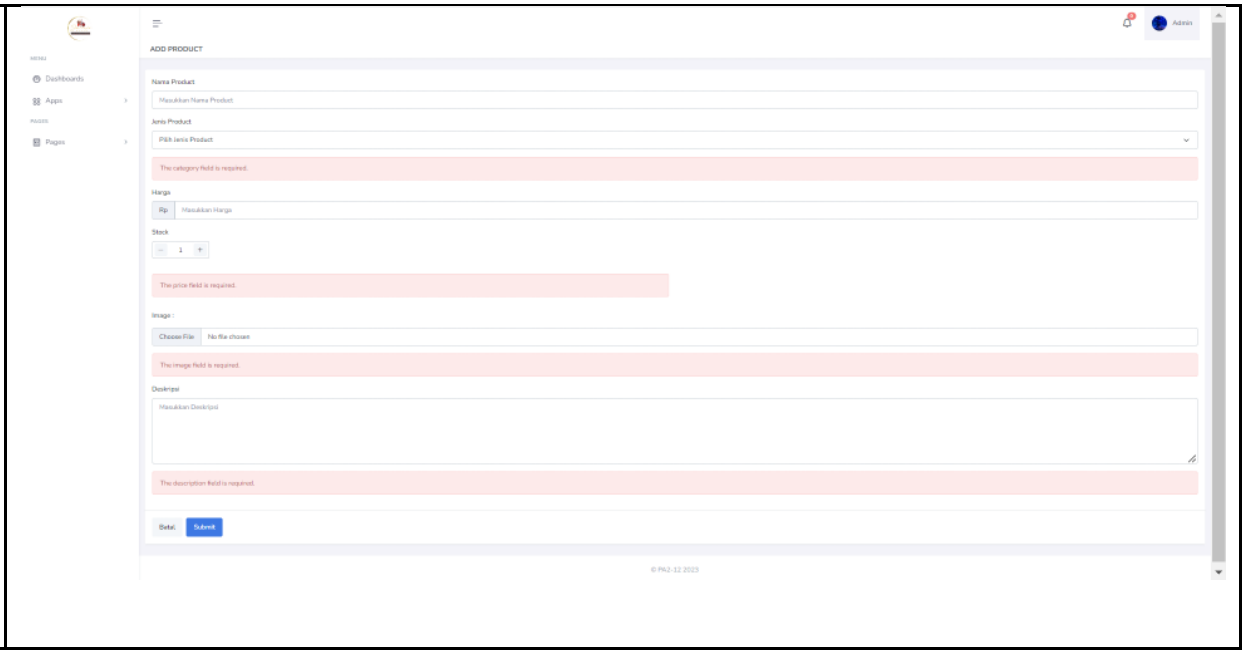
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi (0.0(
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 42

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

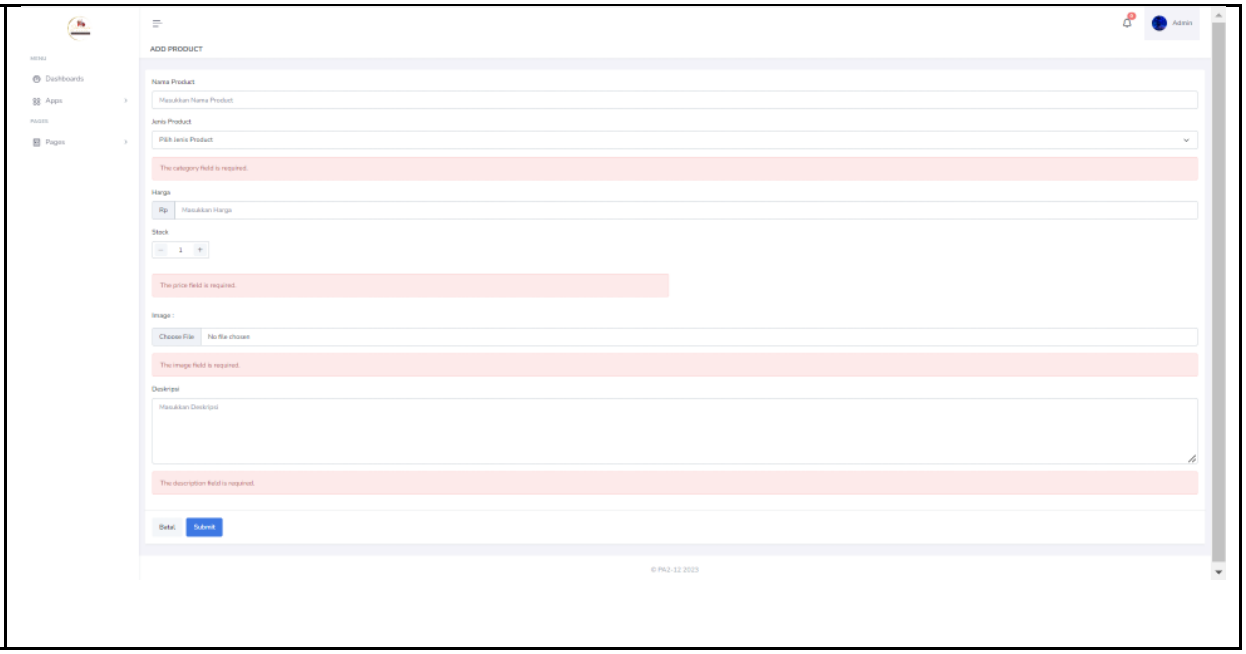
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi (0.0(
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 43

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

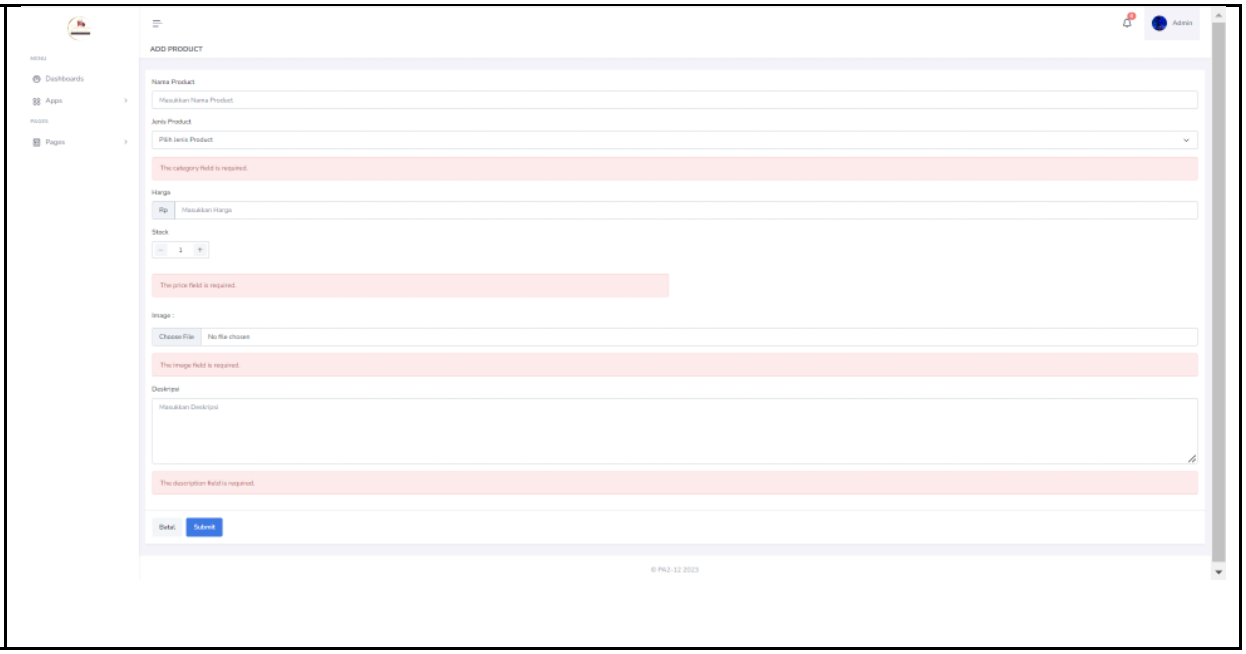
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi (0.0(
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 44

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_invalid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

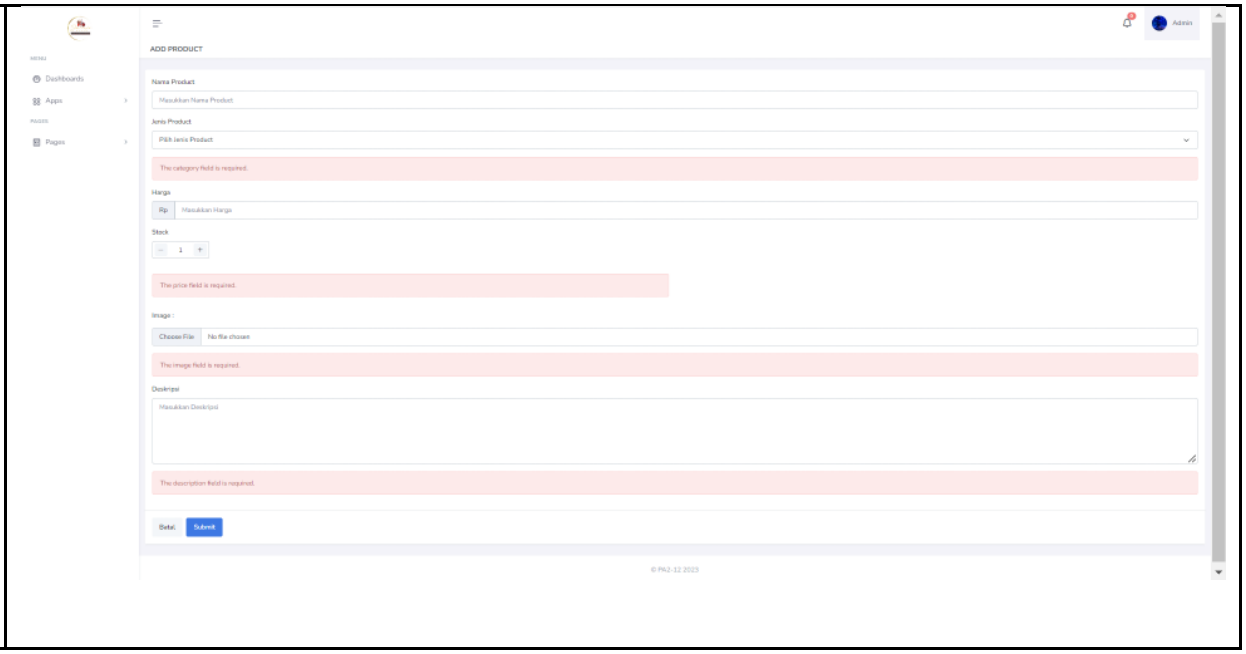
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi (0.0(
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 12.: valid nama product, valid jenis product, invalid harga, invalid image and valid deskripsi [4 test case]
  - ❖ Test Case 45

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	Stola
harga	:	-
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 12 valid nama, valid jenis, invalid harga, invalid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 45
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

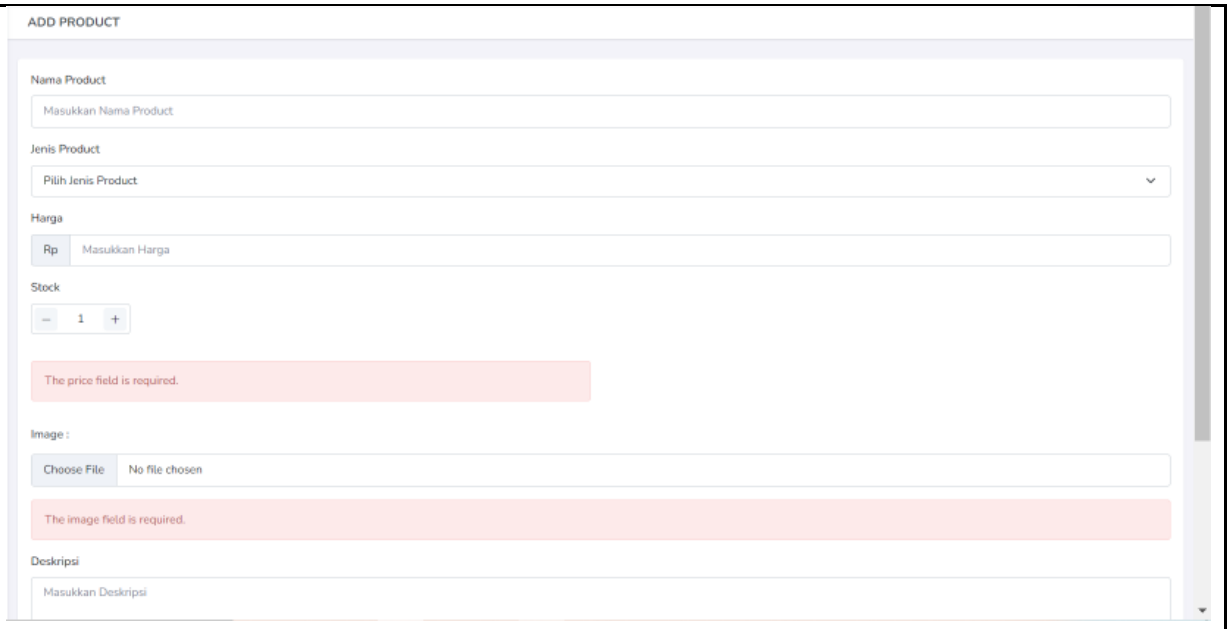
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 46

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	Stola
harga	:	-
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

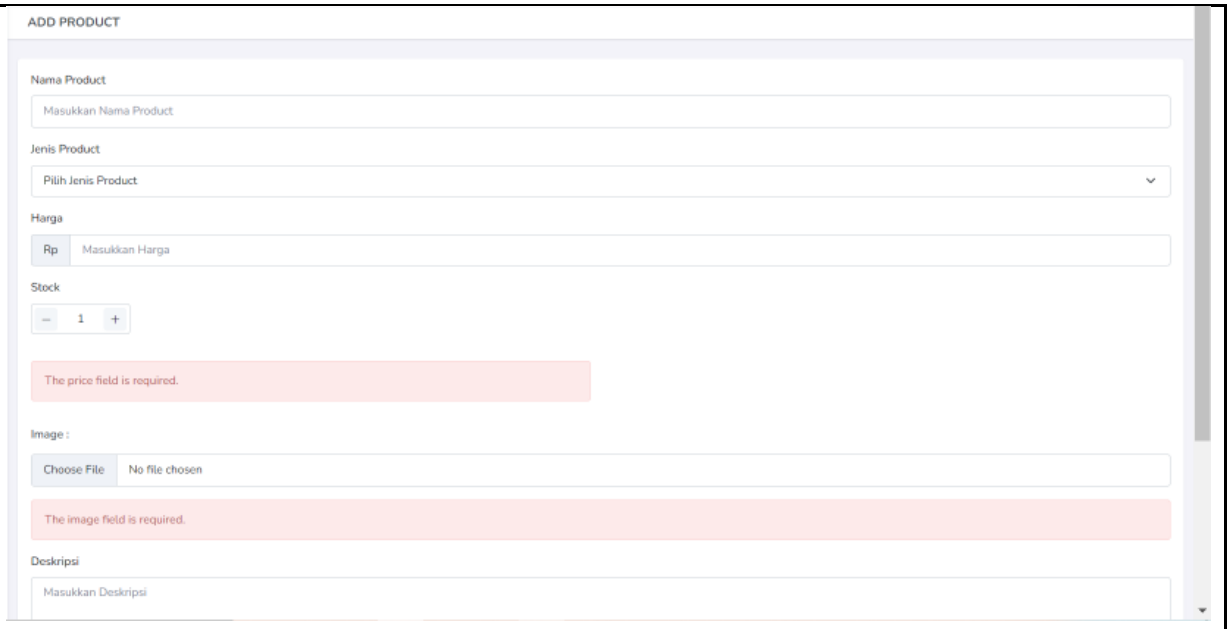
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 47

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	Stola
harga	:	-
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

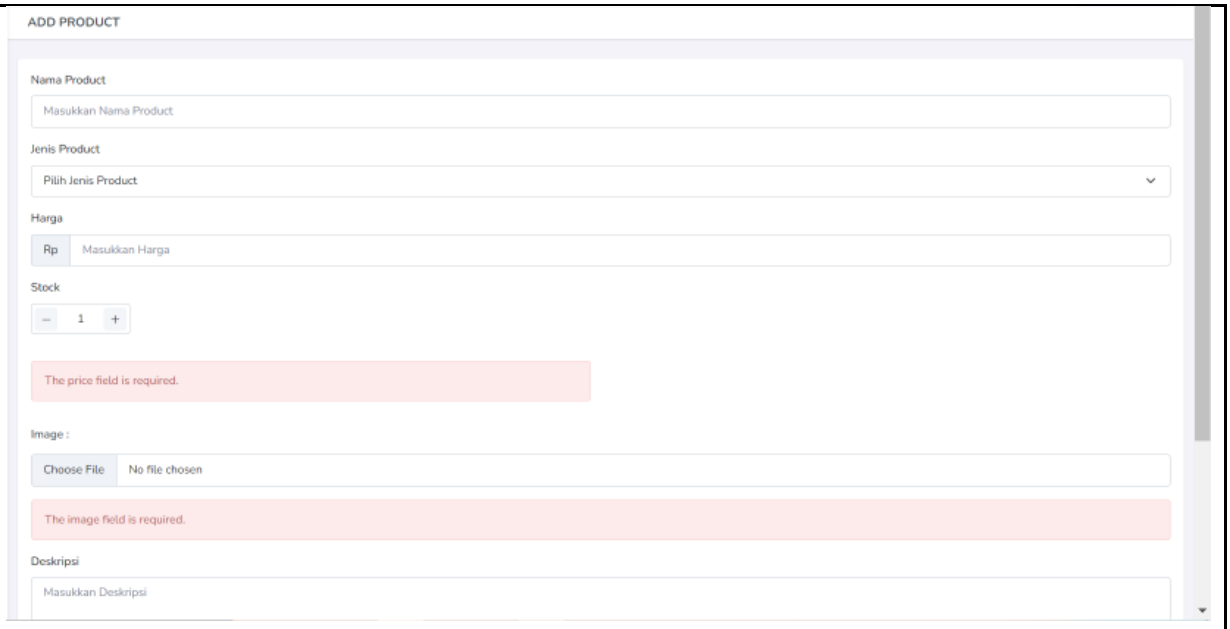
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 48

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	Stola
harga	:	-
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

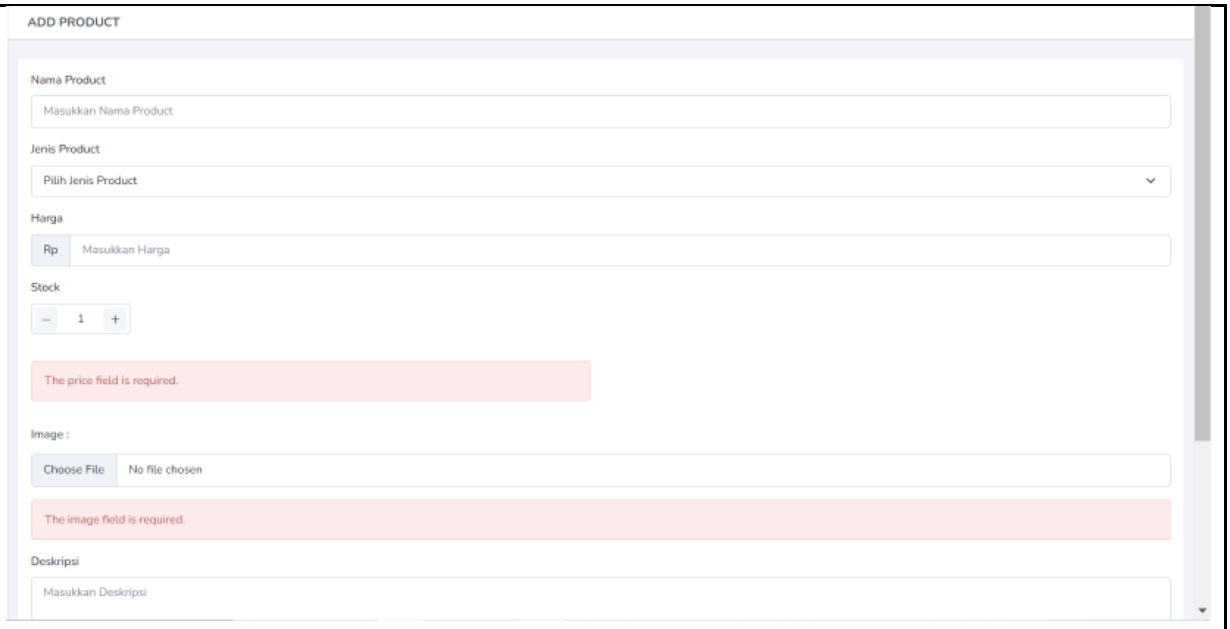
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 13.: valid nama product, valid jenis product, invalid harga, valid image and invalid deskripsi [4 test case]
  - ❖ Test Case 49

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	Stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 13 valid nama, valid jenis, invalid harga, valid image, invalid deskripsi
# ==========================================================================================#

## -- Test Case 49
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

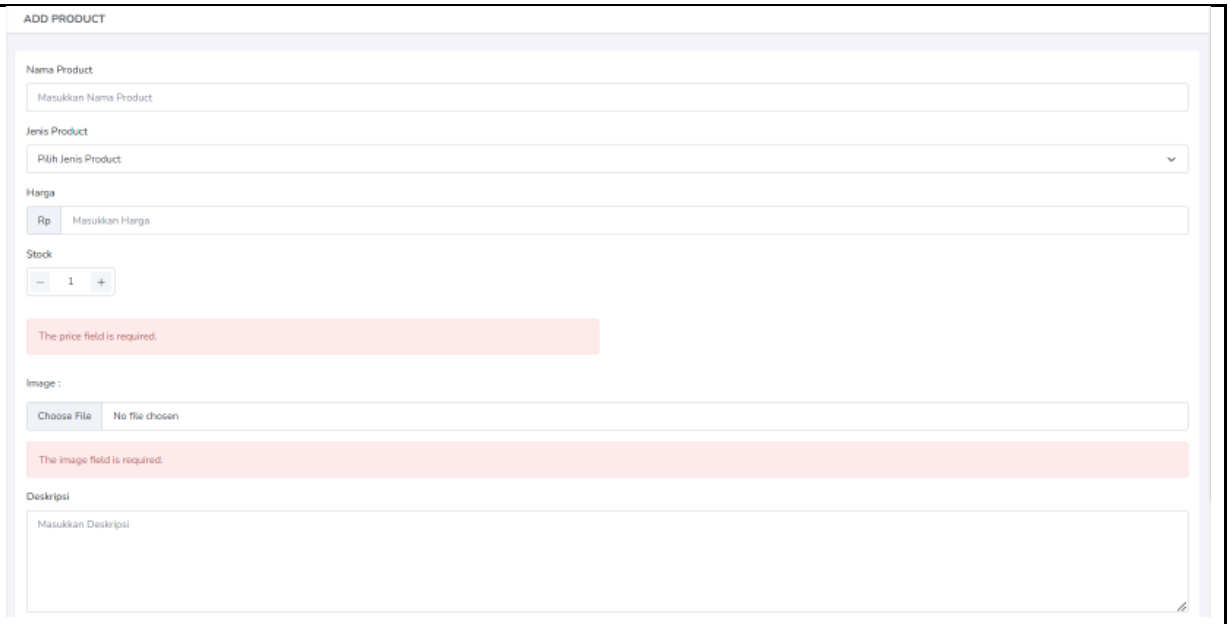
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi (0
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 50

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	Stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

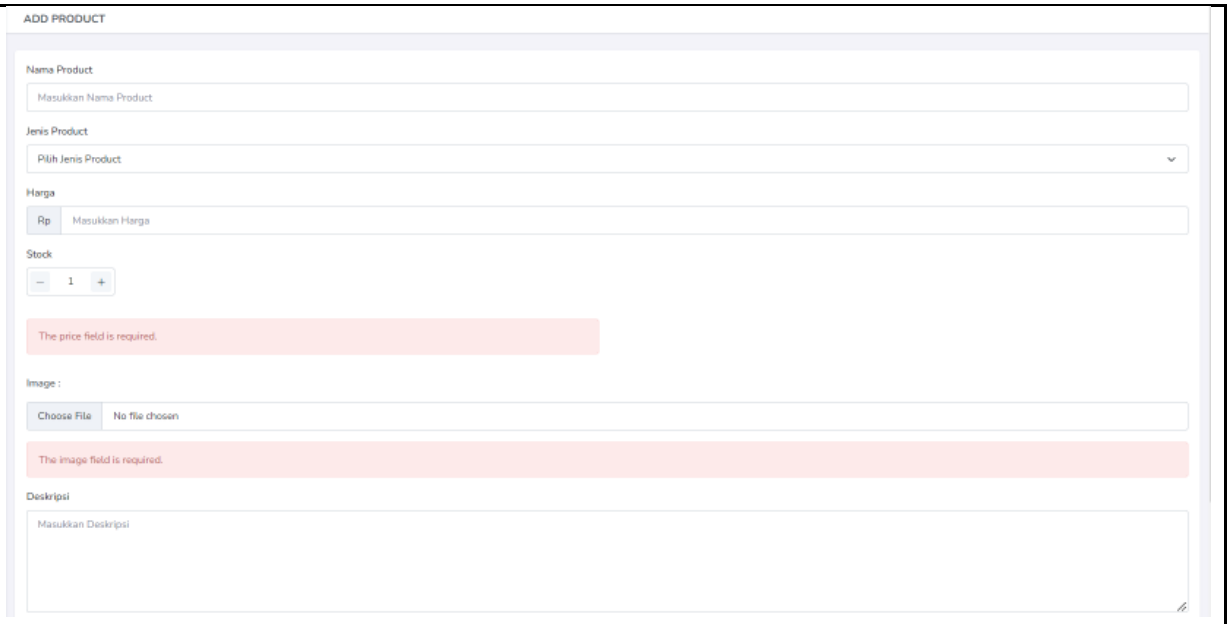
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi (0
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 51

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	Stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

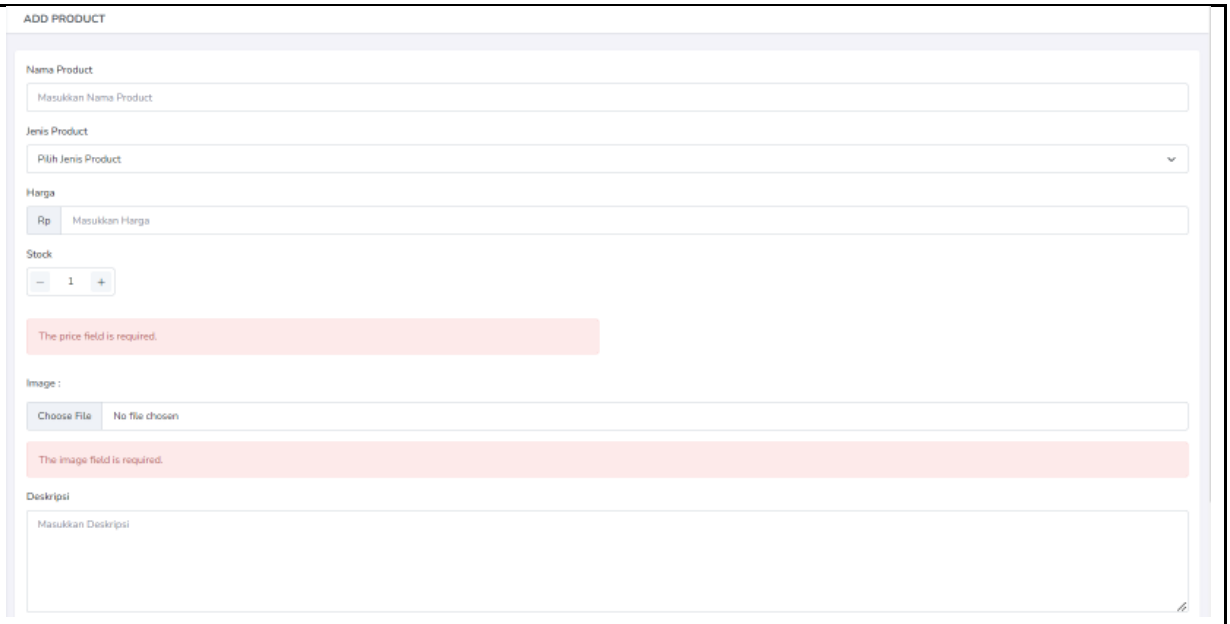
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi (0
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 52

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	Stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

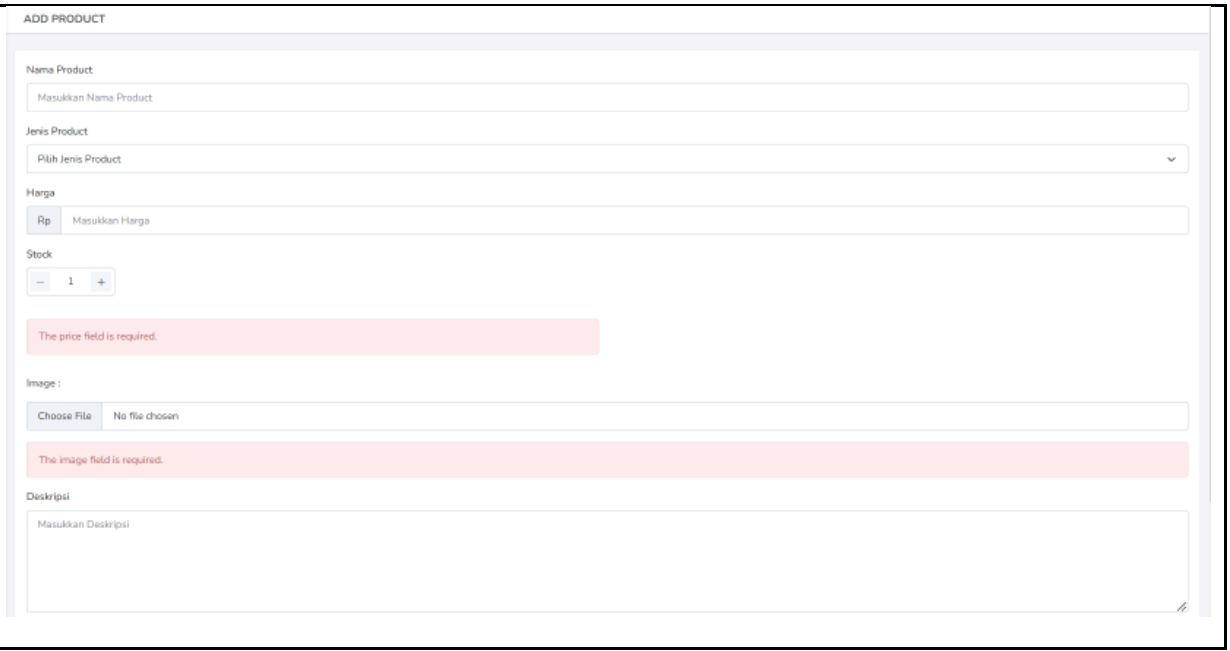
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, valid image and invalid deskripsi (0
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 14.: valid nama product, valid jenis product, invalid harga, invalid image and invalid deskripsi [4 test case]
  - ❖ Test Case 53

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	stola
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================
# Scenario 14 valid nama, valid jenis, invalid harga, invalid image, invalid deskripsi
# ==========================================================================================

## -- Test Case 53
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing

❖ Test Case 54

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	stola
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing

❖ Test Case 55

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	stola
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing

❖ Test Case 56

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	stola
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, invalid harga, invalid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing

- Scenario 15.: valid nama product, valid jenis product, valid harga, invalid image and invalid deskripsi [4 test case]
  - ❖ Test Case 57

username	:	Admin1
password	:	admin123
nama	:	Stola Horas 1
jenis	:	stola
harga	:	15000
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 15 valid nama, valid jenis, valid harga, invalid image, invalid deskripsi
# ==========================================================================================#

## -- Test Case 57
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 1");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi (0
      - Then I cannot add product (0.000 s)

v. The browser while testing

❖ Test Case 58

username	:	Admin2
password	:	admin123
nama	:	Stola Horas 2
jenis	:	stola
harga	:	15000
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 2");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi (0
      - Then I cannot add product (0.000 s)

v. The browser while testing

❖ Test Case 59

username	:	Admin3
password	:	admin123
nama	:	Stola Horas 3
jenis	:	stola
harga	:	15000
image	:	-
deskripsi	:	-

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 3");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi (0
      - Then I cannot add product (0.000 s)

v. The browser while testing

❖ Test Case 60

username	:	Admin4
password	:	admin123
nama	:	Stola Horas 4
jenis	:	stola
harga	:	15000
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi$")
    public void I_enter_valid_nama_valid_jenis_valid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("Stola Horas 4");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter valid nama, valid jenis, valid harga, invalid image and invalid deskripsi (0
      - Then I cannot add product (0.000 s)

v. The browser while testing

- Scenario 16.: invalid nama product, valid jenis product, valid harga, valid image and valid deskripsi [4 test case]
  - ❖ Test Case 61

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 16 invalid nama, valid jenis, valid harga, valid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 61
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

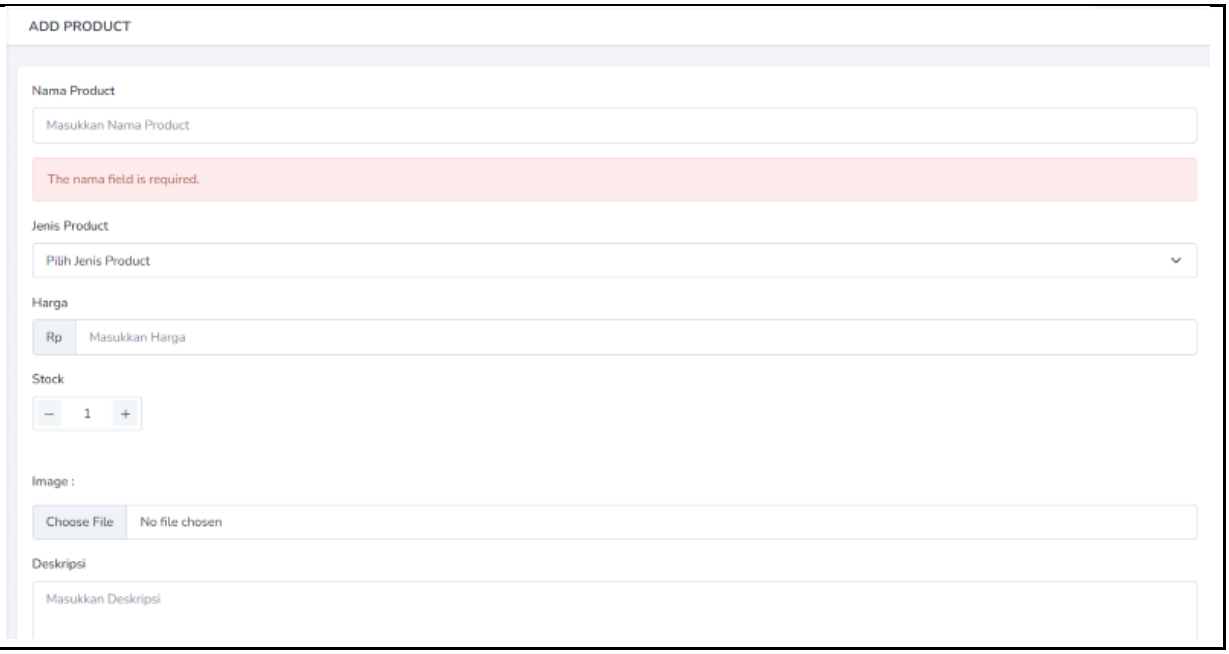
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 62

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

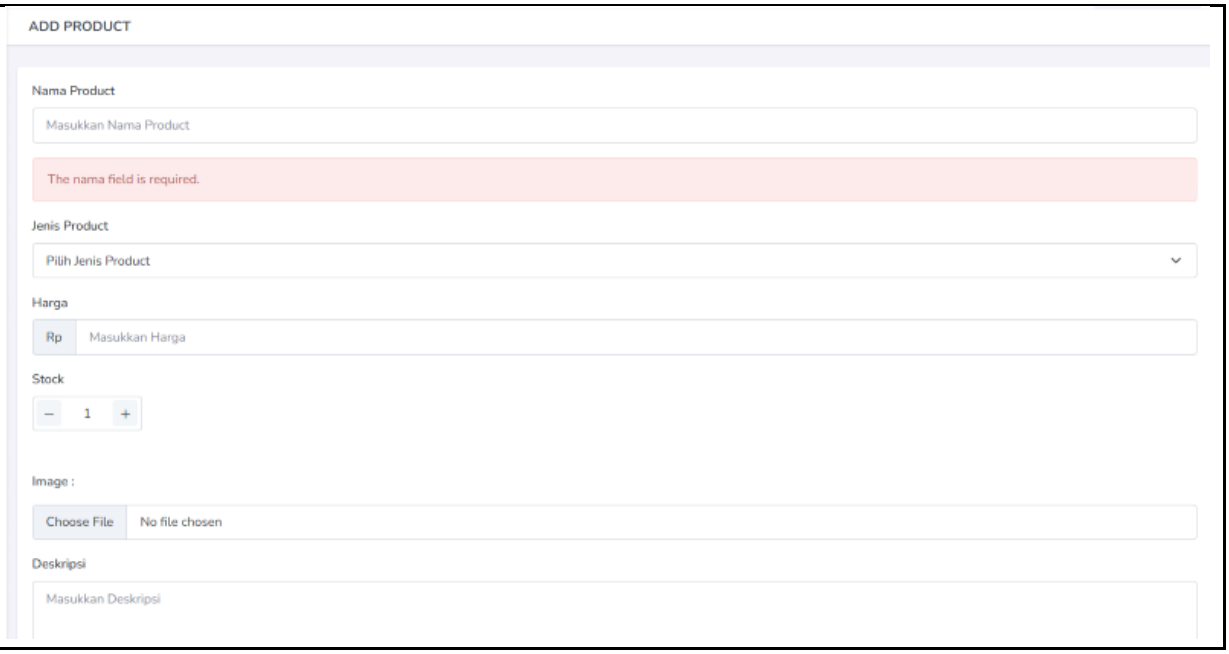
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 63

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

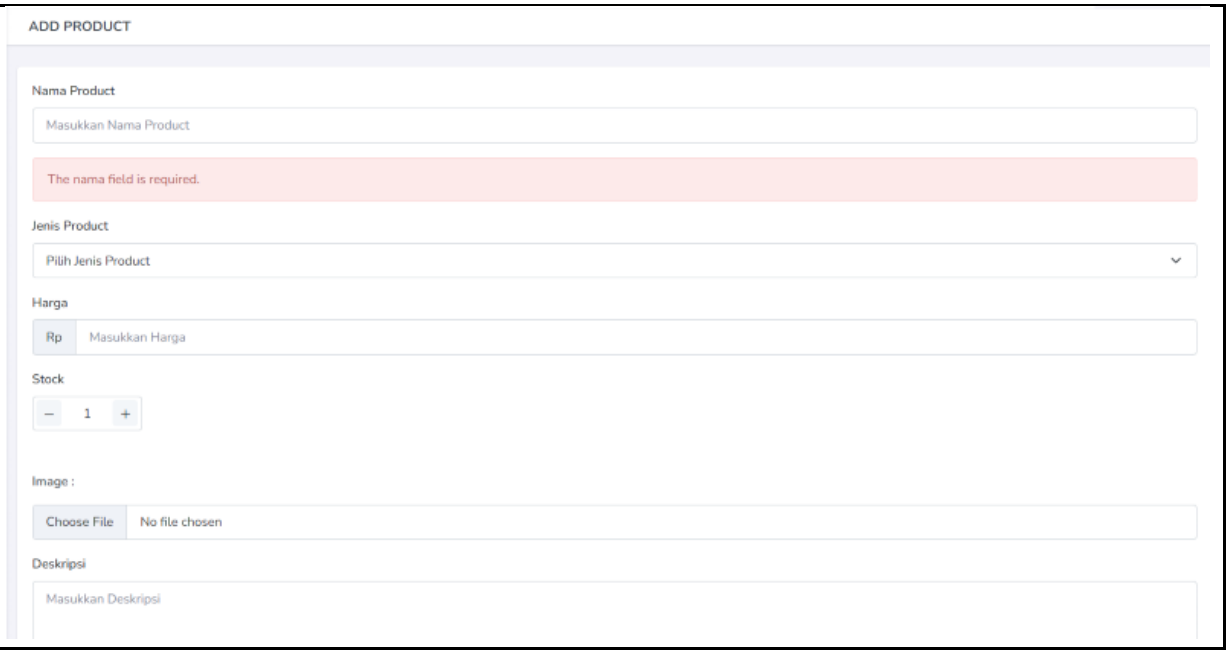
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 64

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

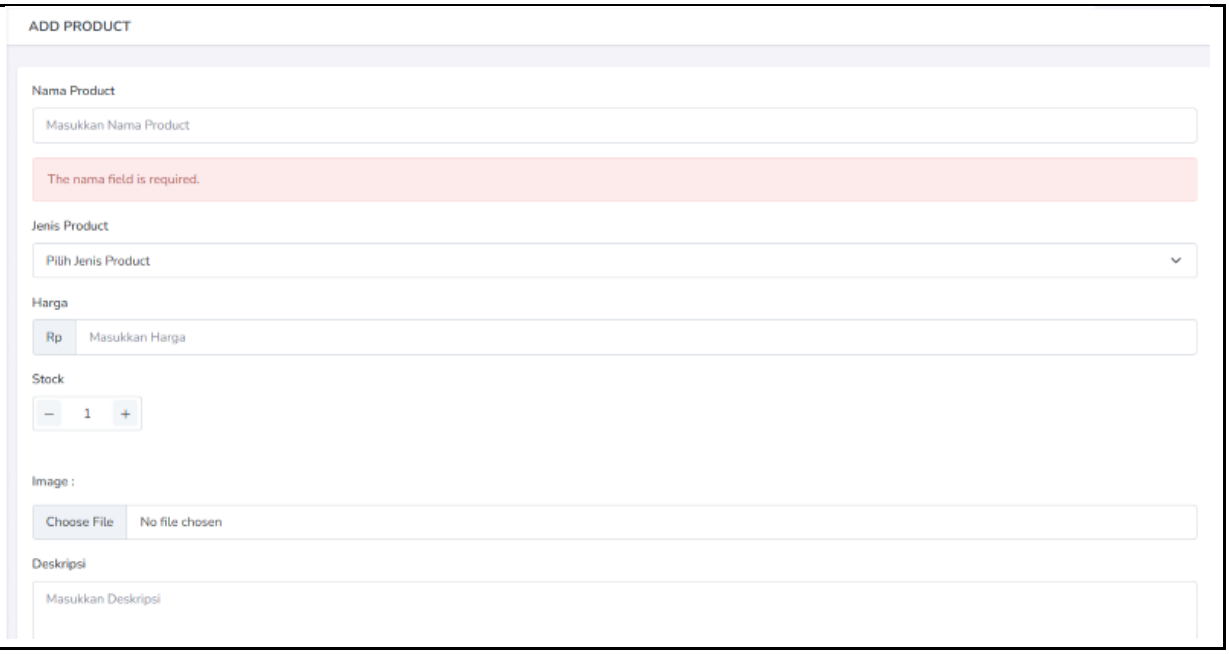
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, valid image and valid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 17.: invalid nama product, invalid jenis product, valid harga, valid image and valid deskripsi [4 test case]
  - ❖ Test Case 65

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 17 invalid nama, invalid jenis, valid harga, valid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 65
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

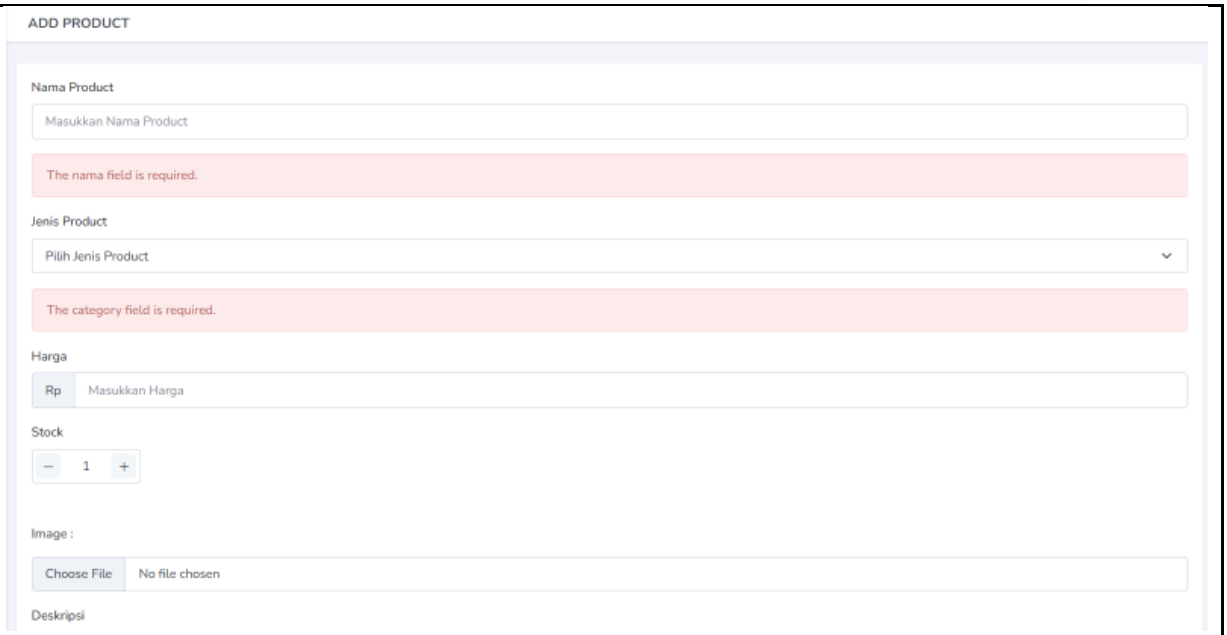
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi (0.000
      - Then I cannot add product (0.001 s)

v. The browser while testing



❖ Test Case 66

username	:	Admin2
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

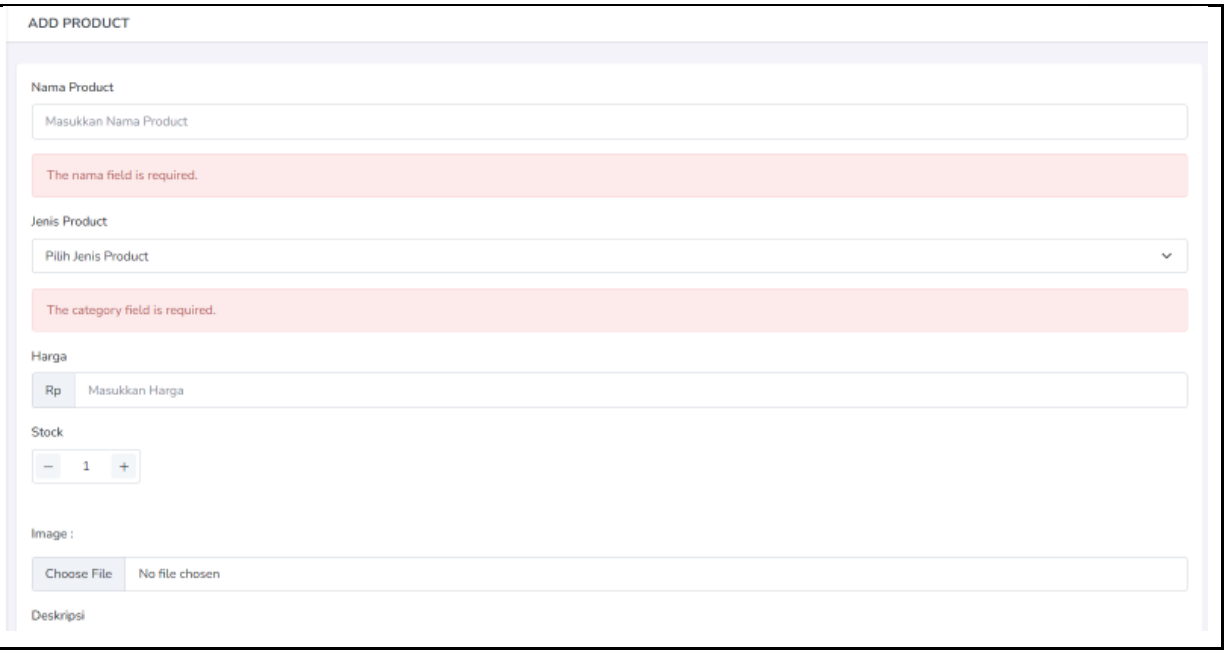
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi (0.000
      - Then I cannot add product (0.001 s)

v. The browser while testing



❖ Test Case 67

username	:	Admin3
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

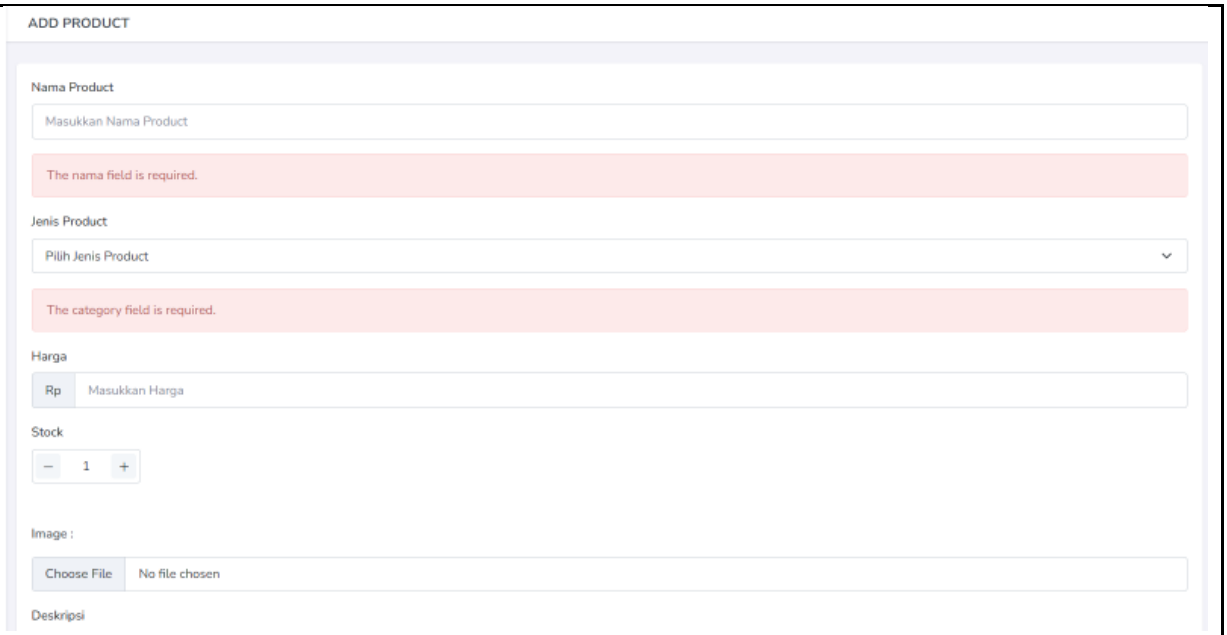
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi (0.000
      - Then I cannot add product (0.001 s)

v. The browser while testing



❖ Test Case 68

username	:	Admin4
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

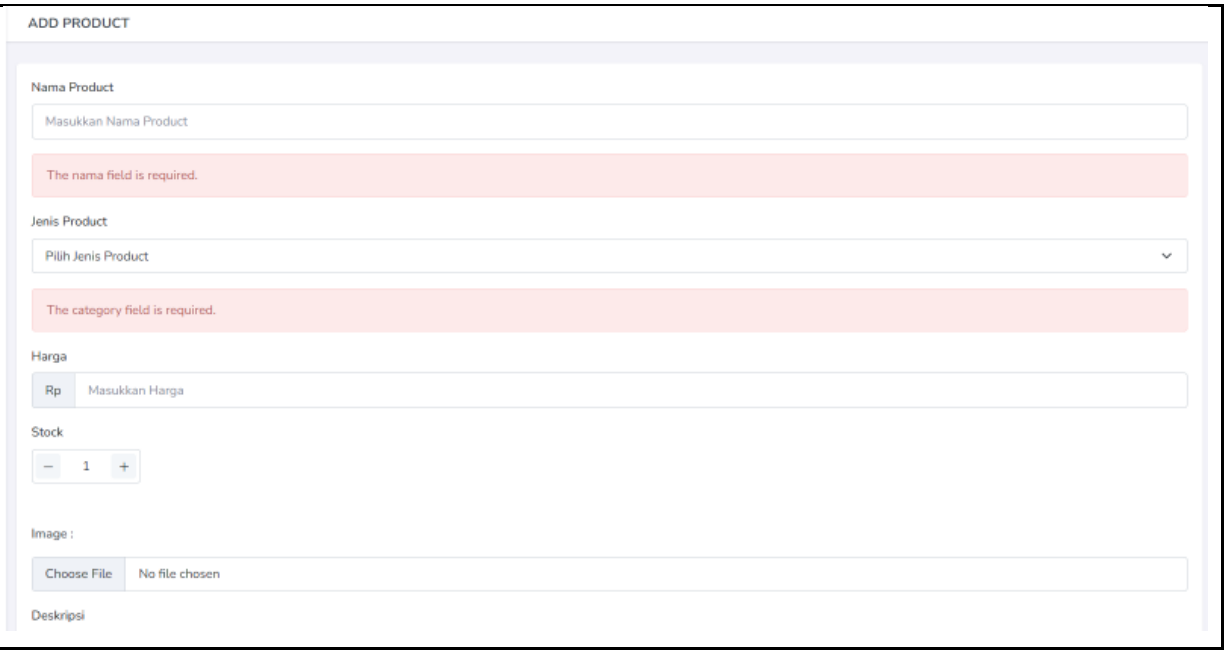
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, valid image and valid deskripsi (0.000
      - Then I cannot add product (0.001 s)

v. The browser while testing



- Scenario 18.: invalid nama product, valid jenis product, invalid harga, valid image and valid deskripsi [4 test case]
  - ❖ Test Case 69

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 18 invalid nama, valid jenis, invalid harga, valid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 69
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

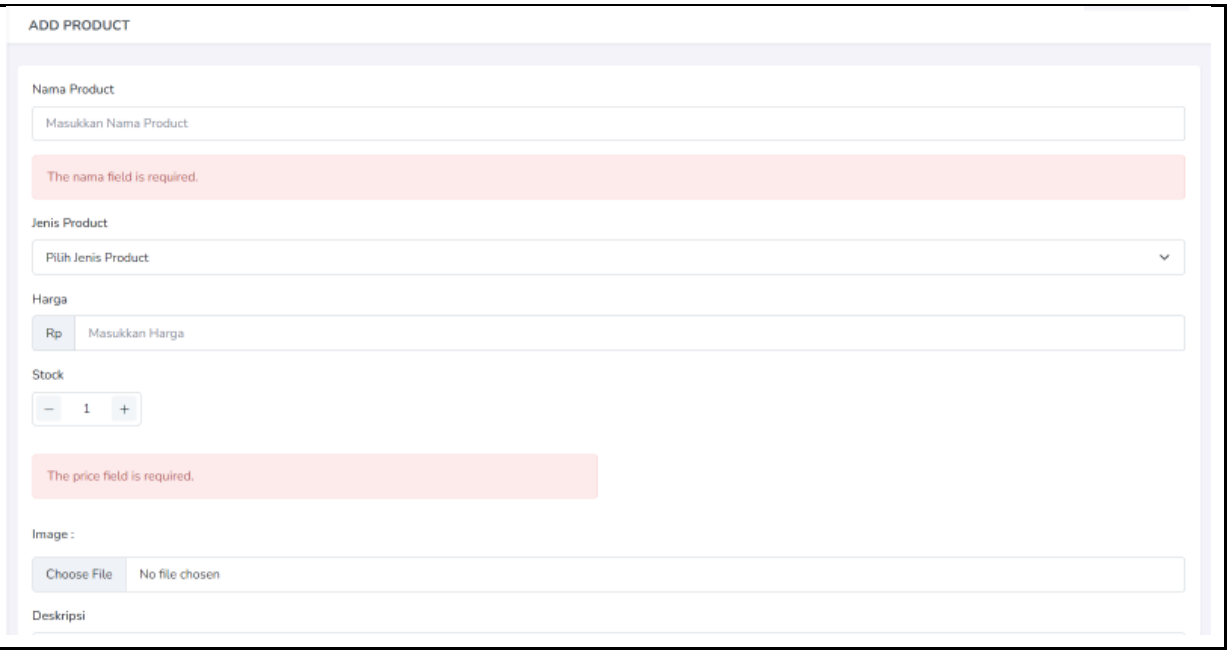
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 70

username	:	Admin2
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

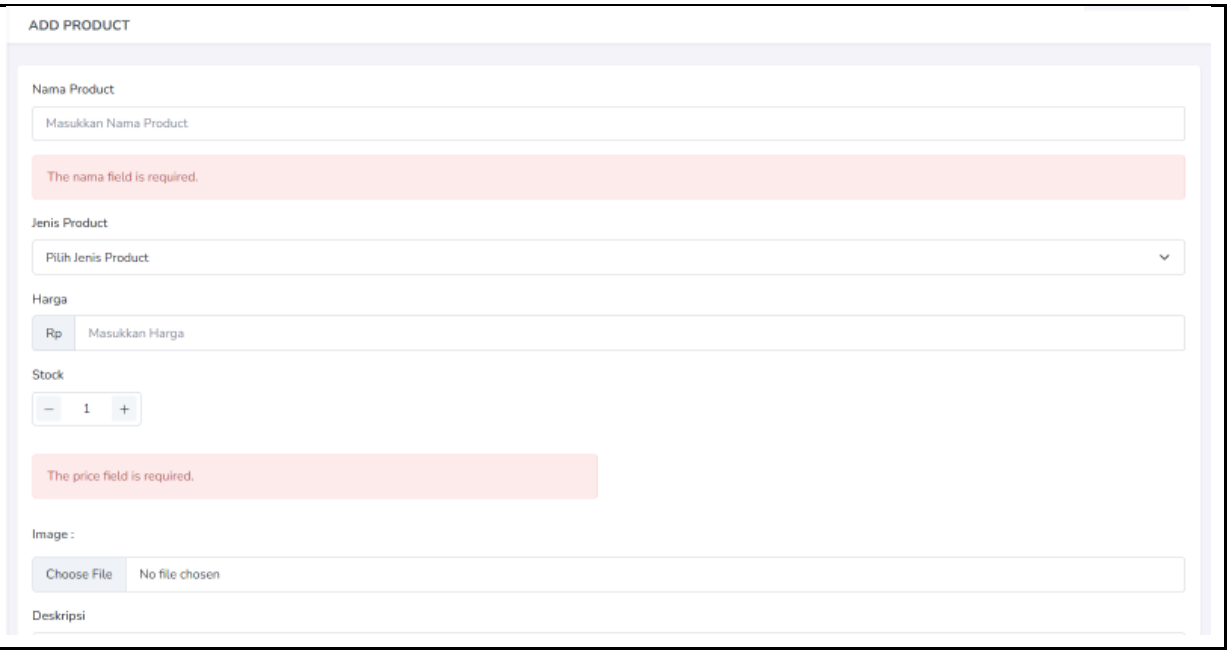
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 71

username	:	Admin3
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

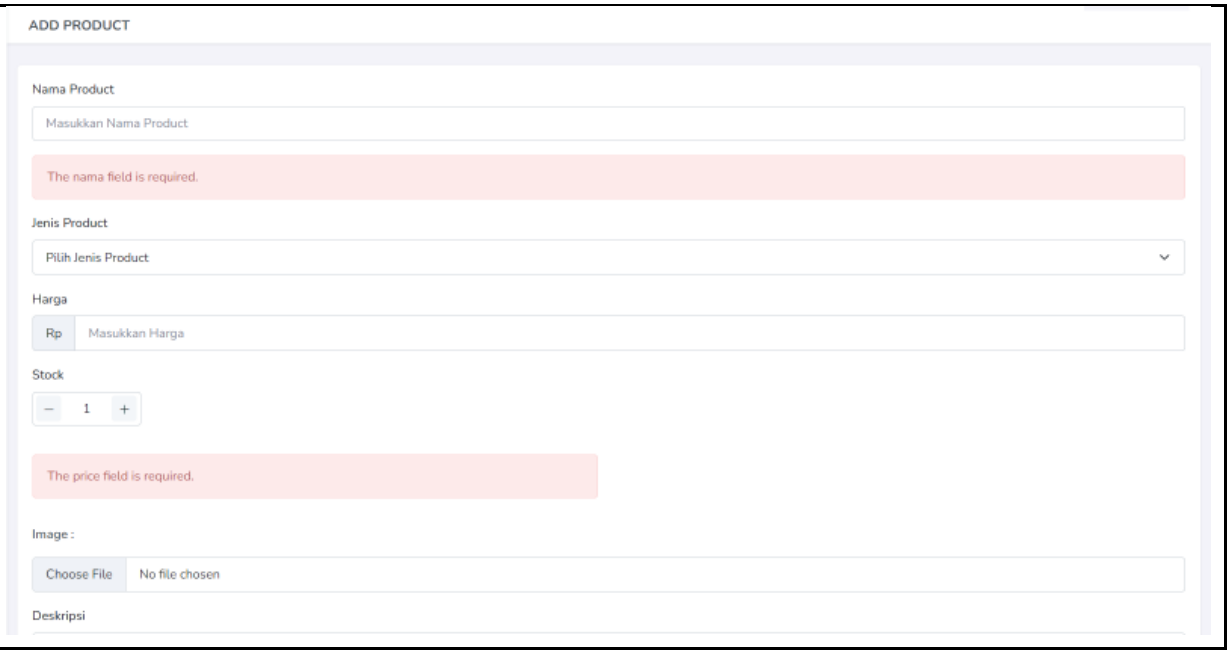
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 72

username	:	Admin4
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

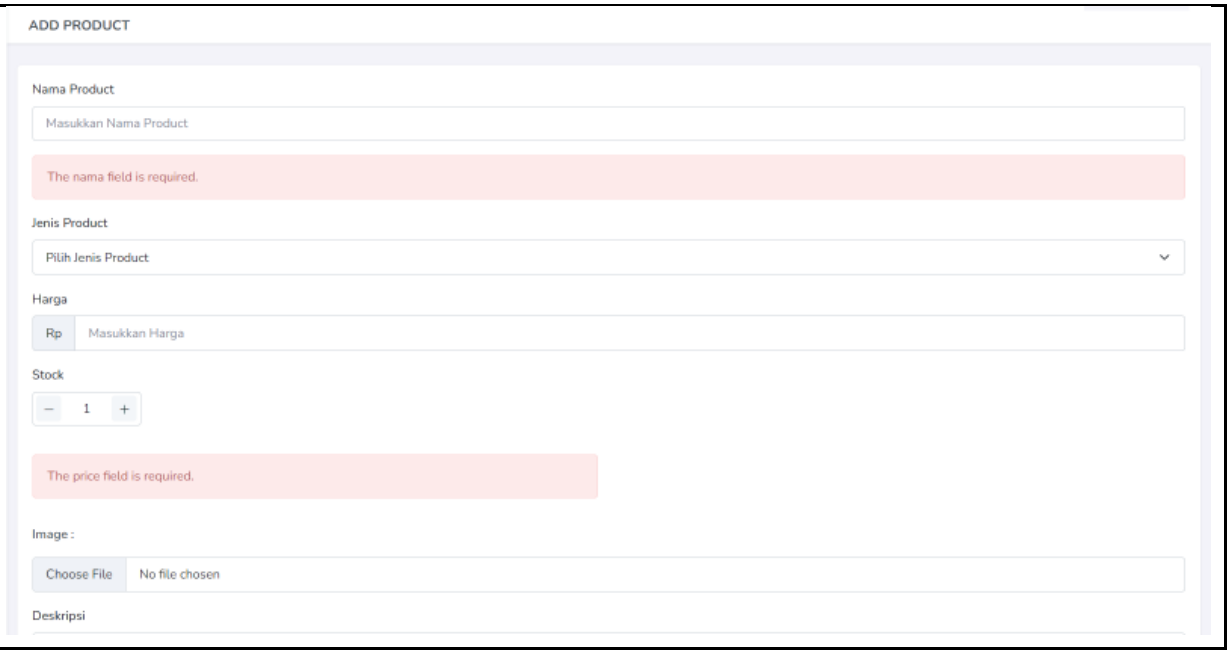
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test Tambah Produk (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, invalid harga, valid image and valid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 19.: invalid nama product, valid jenis product, valid harga, invalid image and valid deskripsi [4 test case]
  - ❖ Test Case 73

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i.	The test frame for every test case

```
# ==========================================================================================#
# Scenario 19 invalid nama, valid jenis, valid harga, invalid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 73
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

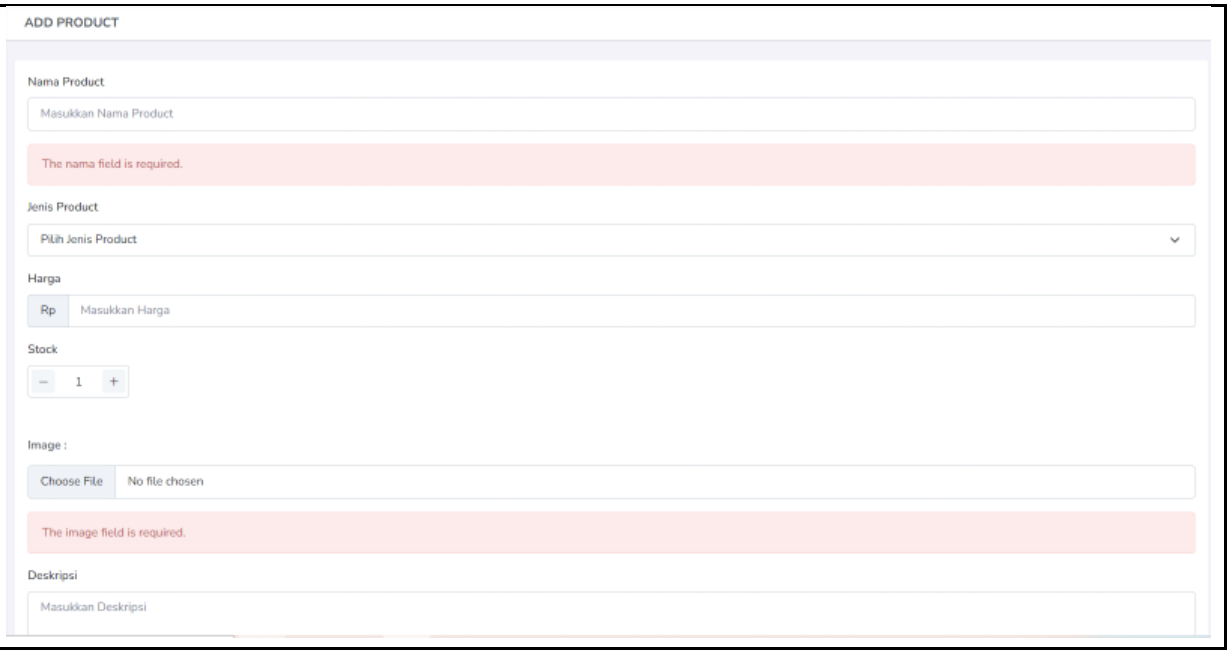
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 74

username	:	Admin2
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
3098 public class TambahProduk{
3099     WebDriver wd;
3100     @Given("^open chrome and start application$")
3101     public void open_chrome_and_start_application() throws Throwable {
3102         System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
3103         WebDriver wd = new ChromeDriver();
3104         wd.get("http://127.0.0.1:8000/login");
3105         throw new PendingException();
3106     }
3107     @When("^I enter valid username and valid password admin$")
3108     public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
3109         wd.findElement(By.id("username")).sendKeys("Admin2");
3110         wd.findElement(By.id("password-input")).sendKeys("admin123");
3111         throw new PendingException();
3112     }
3113     @Then("^I can login successfully$")
3114     public void I_can_login_successfully() throws Throwable {
3115         wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
3116     }
3117     @When("^I click Tambah Produk button$")
3118     public void I_click_Tambah_Produk_button() throws Throwable {
3119         wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
3120         throw new PendingException();
3121     }
3122     @Then("^I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi$")
3123     public void I_enter_invalid_nama_valid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
3124         wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
3125         wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
3126         wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
3127         wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
3128         wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
3129         throw new PendingException();
3130     }
3131     @Then("^I cannot add product$")
3132     public void I_cannot_add_product() throws Throwable {
3133         wd.findElement(By.id("add-btn")).click();
3134         throw new PendingException();
3135     }
3136 }
```

iii. The Test Runner

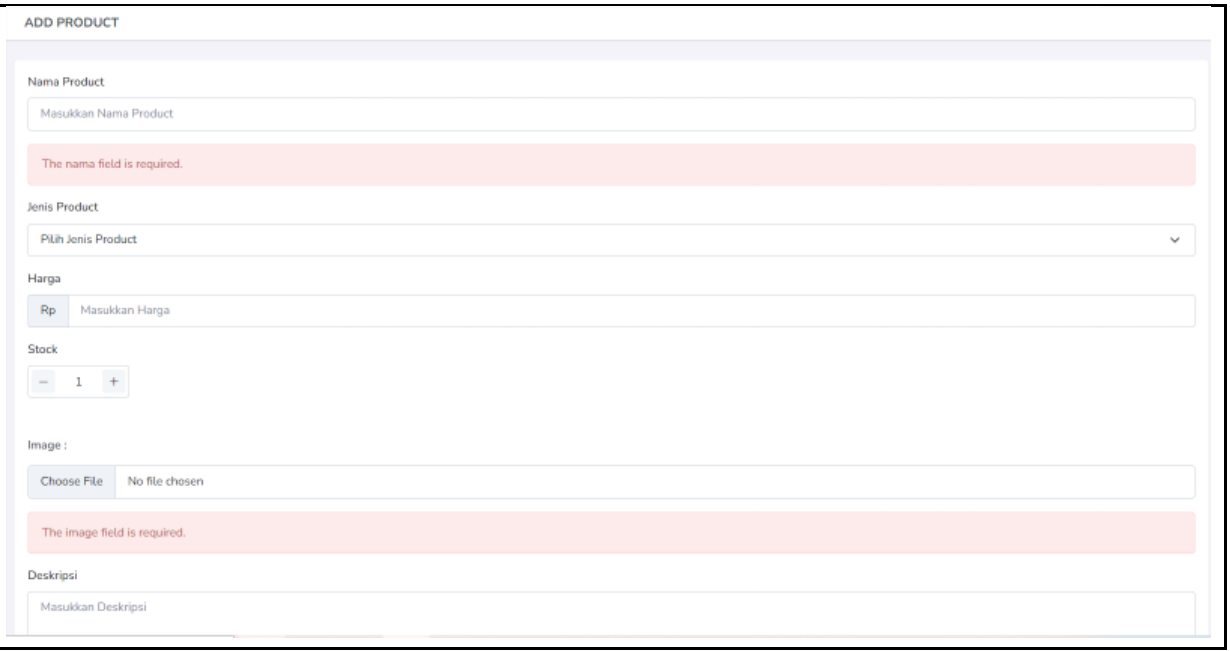
```java
1 package runner;
2
3 import org.junit.runner.RunWith;
4 import cucumber.api.junit.Cucumber;
5
6 @RunWith(Cucumber.class)
7
8     /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/
9
10 //  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
11     @Cucumber.Options(features = "Features_TambahProduk")
12
13 public class TambahProdukTestRunner {
14 }
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 75

username	:	Admin3
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

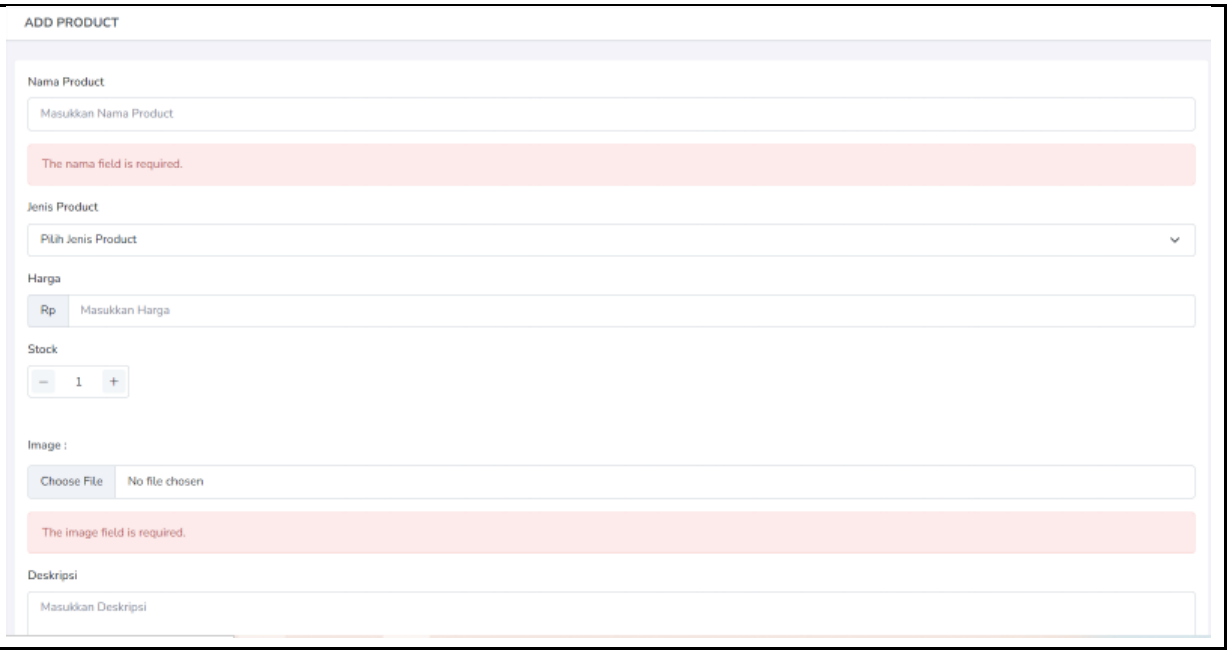
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 76

username	:	Admin4
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

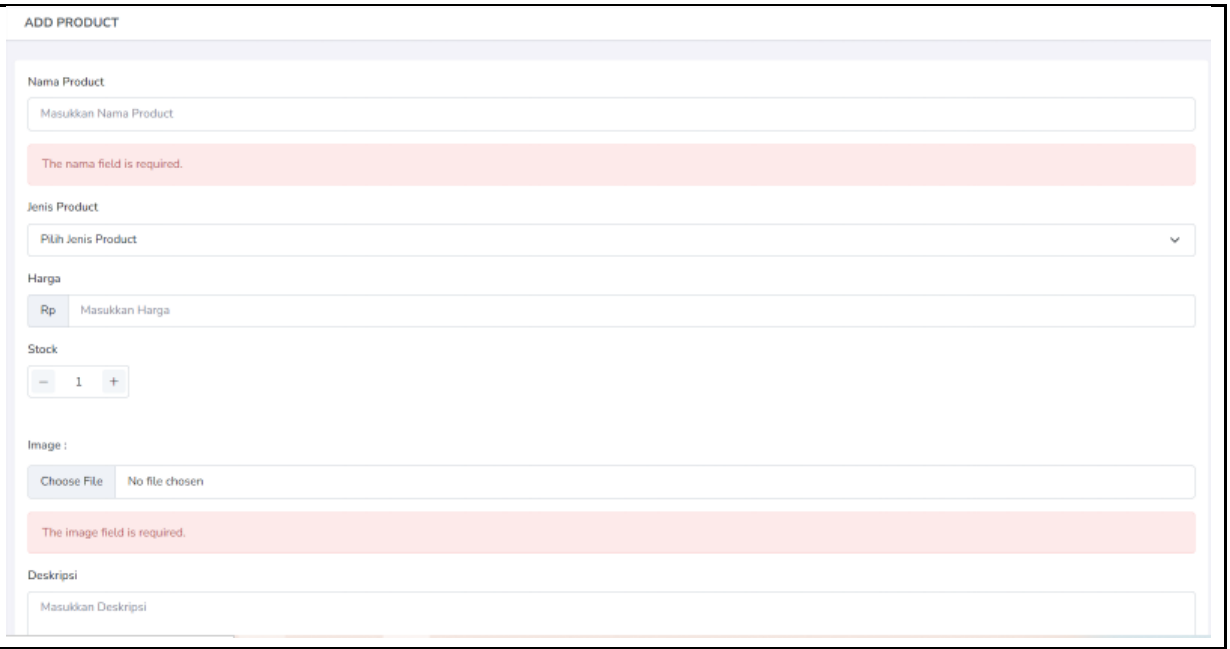
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 20.: invalid nama product, valid jenis product, valid harga, valid image and invalid deskripsi [4 test case]
  - ❖ Test Case 77

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 20 invalid nama, valid jenis, valid harga, valid image, invalid deskripsi
# ==========================================================================================#

## -- Test Case 77
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

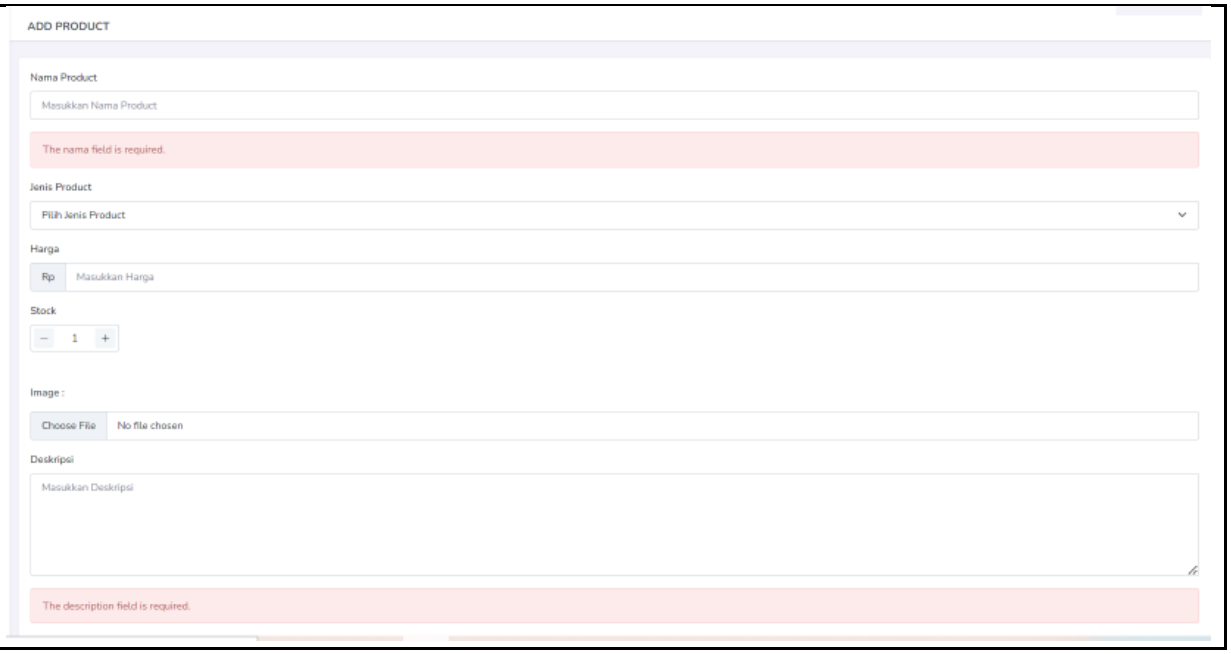
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 78

username	:	Admin2
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	-

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

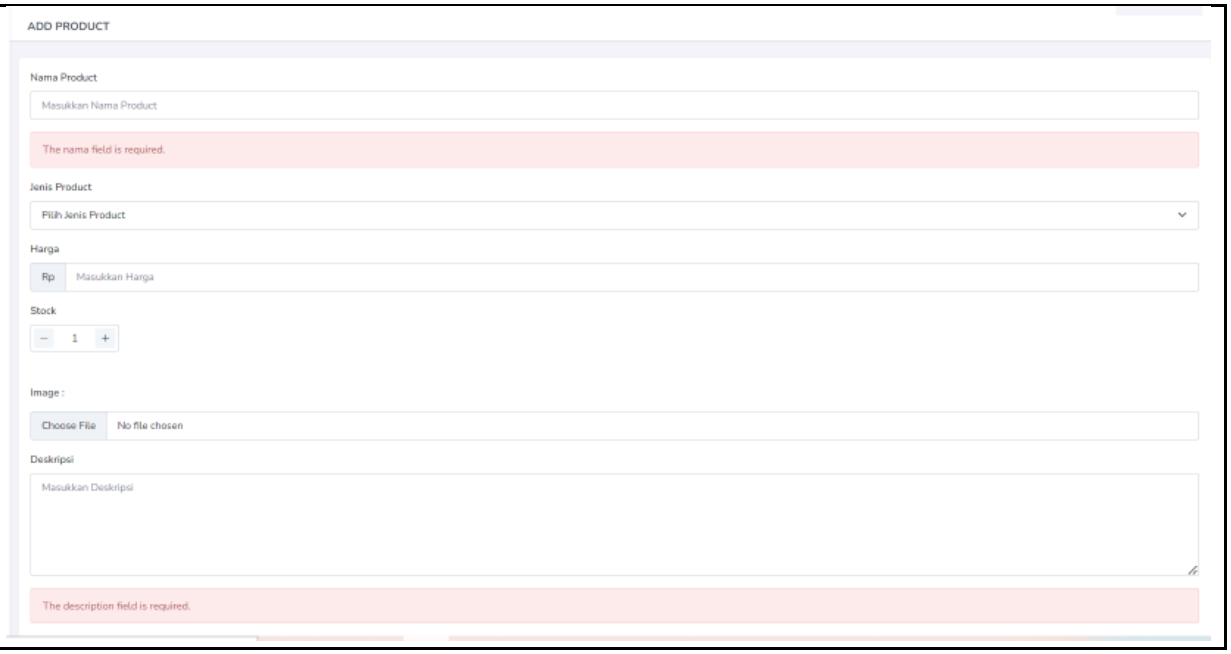
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 79

username	:	Admin3
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	-

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

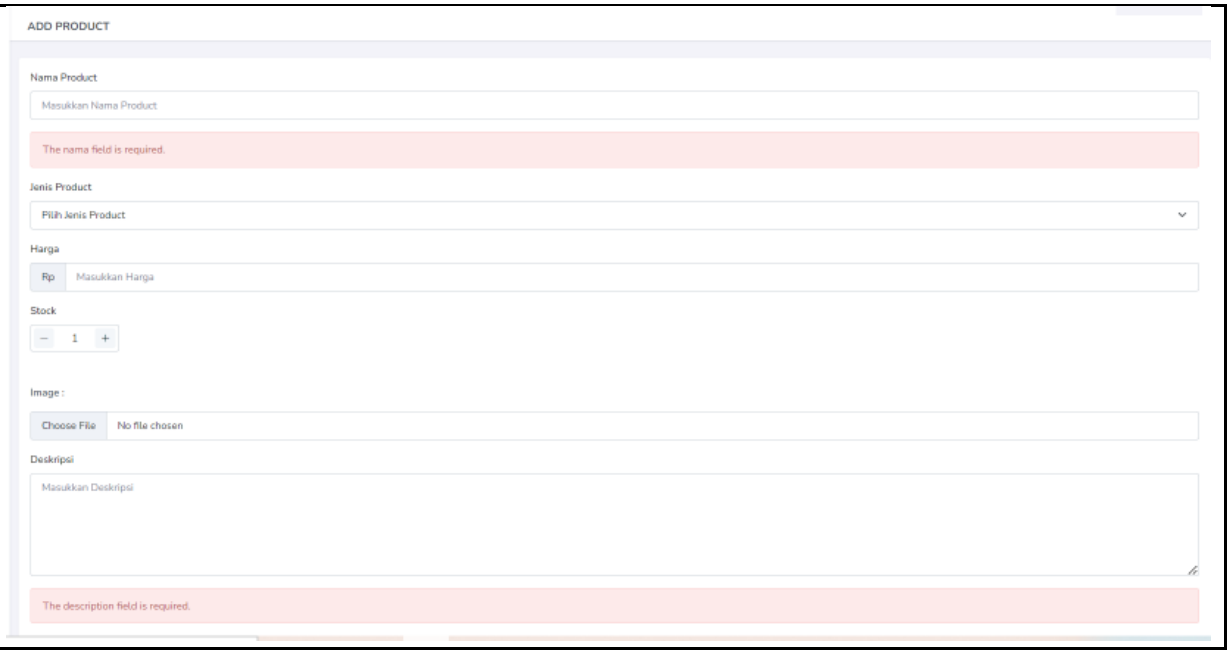
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 80

username	:	Admin4
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	15000
image	:	stolahoras.jpg
deskripsi	:	-

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

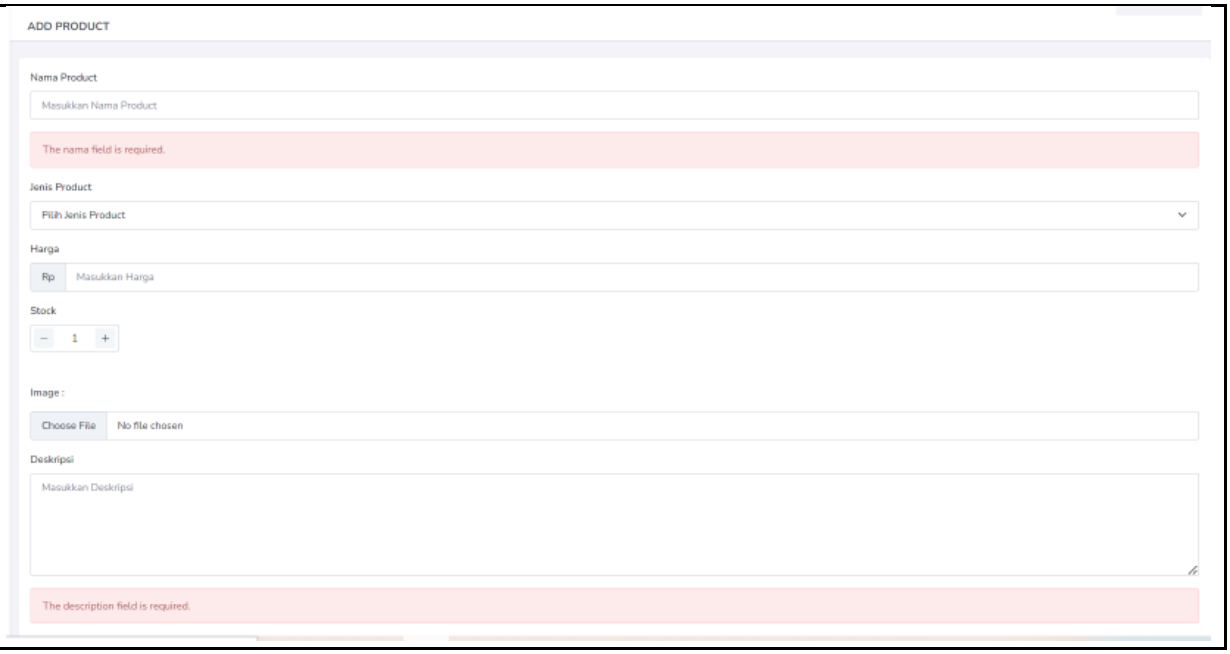
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, valid harga, valid image and invalid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 21.: invalid nama product, invalid jenis product, invalid harga, valid image and valid deskripsi [4 test case]
  - ❖ Test Case 81

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	
harga	:	
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 21 invalid nama, invalid jenis, invalid harga, valid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 81
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi (0.0
      - Then I cannot add product (0.000 s)

v. The browser while testing

❖ Test Case 82

username	:	Admin2
password	:	admin123
nama	:	-
jenis	:	
harga	:	
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

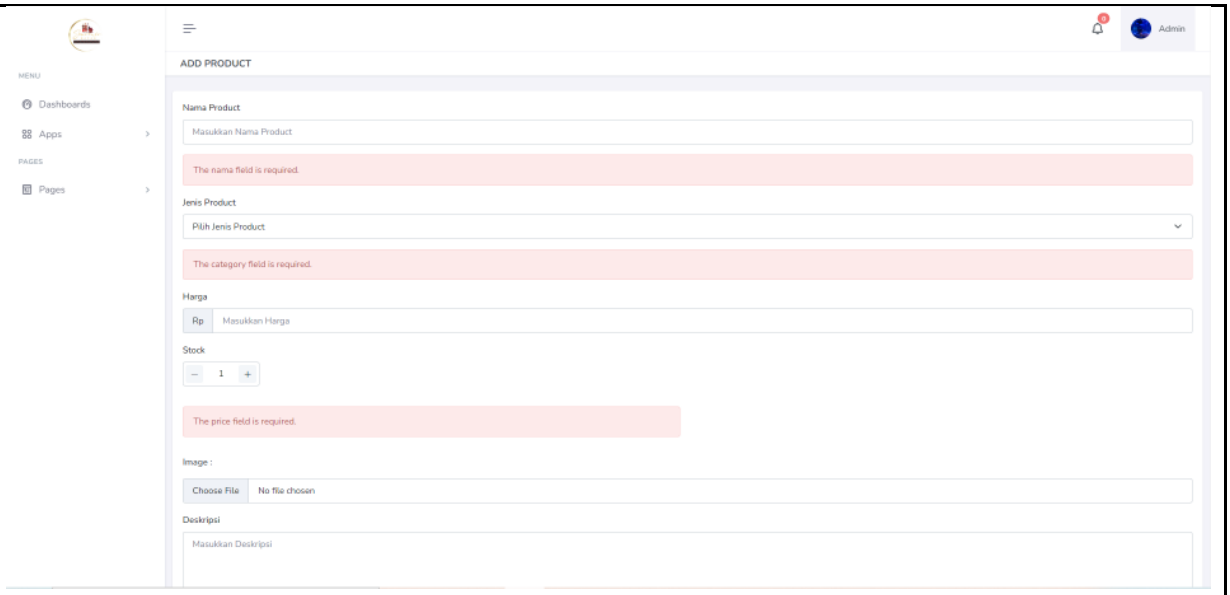
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi (0.0
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 83

username	:	Admin3
password	:	admin123
nama	:	-
jenis	:	
harga	:	
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi (0.0
      - Then I cannot add product (0.000 s)

v. The browser while testing

❖ Test Case 84

username	:	Admin4
password	:	admin123
nama	:	-
jenis	:	-
harga	:	-
image	:	stolahoras.jpg
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_invalid_harga_valid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

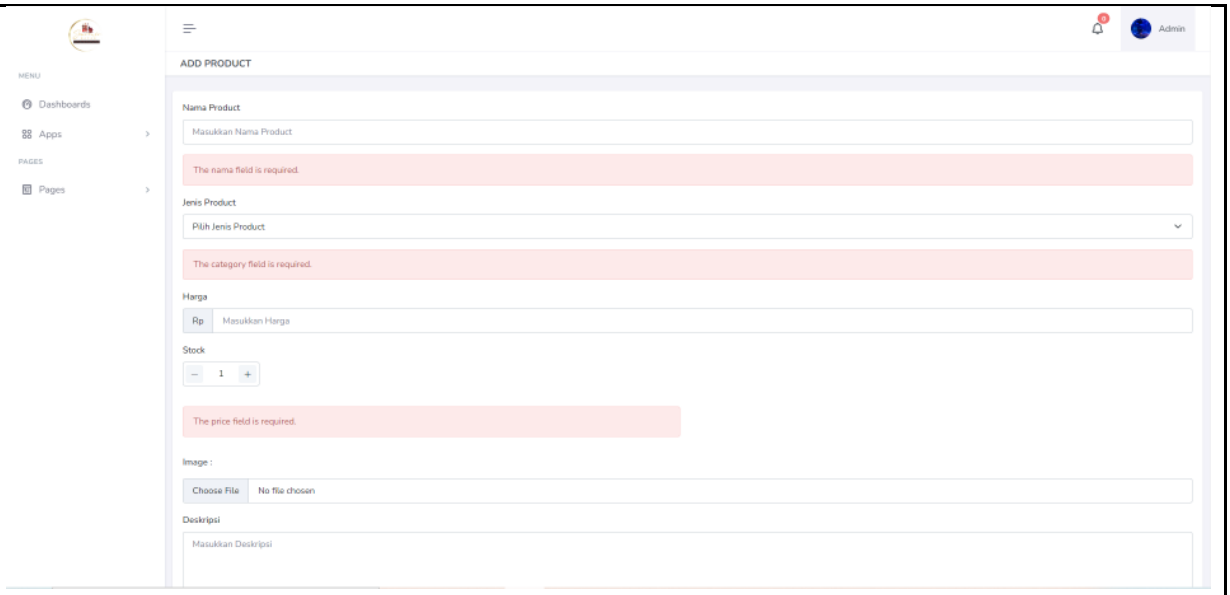
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, invalid harga, valid image and valid deskripsi (0.0
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 22.: invalid nama product, invalid jenis product, valid harga, invalid image and valid deskripsi [4 test case]
  - ❖ Test Case 85

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 22 invalid nama, invalid jenis, valid harga, invalid image, valid deskripsi
# ==========================================================================================#

## -- Test Case 85
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

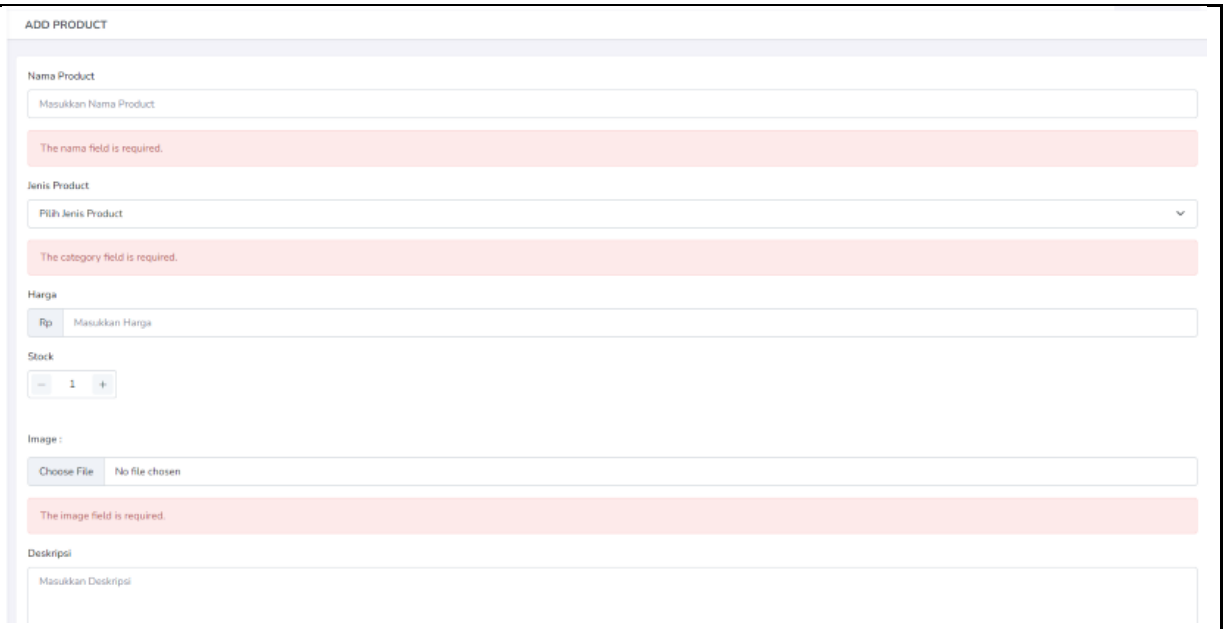
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 86

username	:	Admin2
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

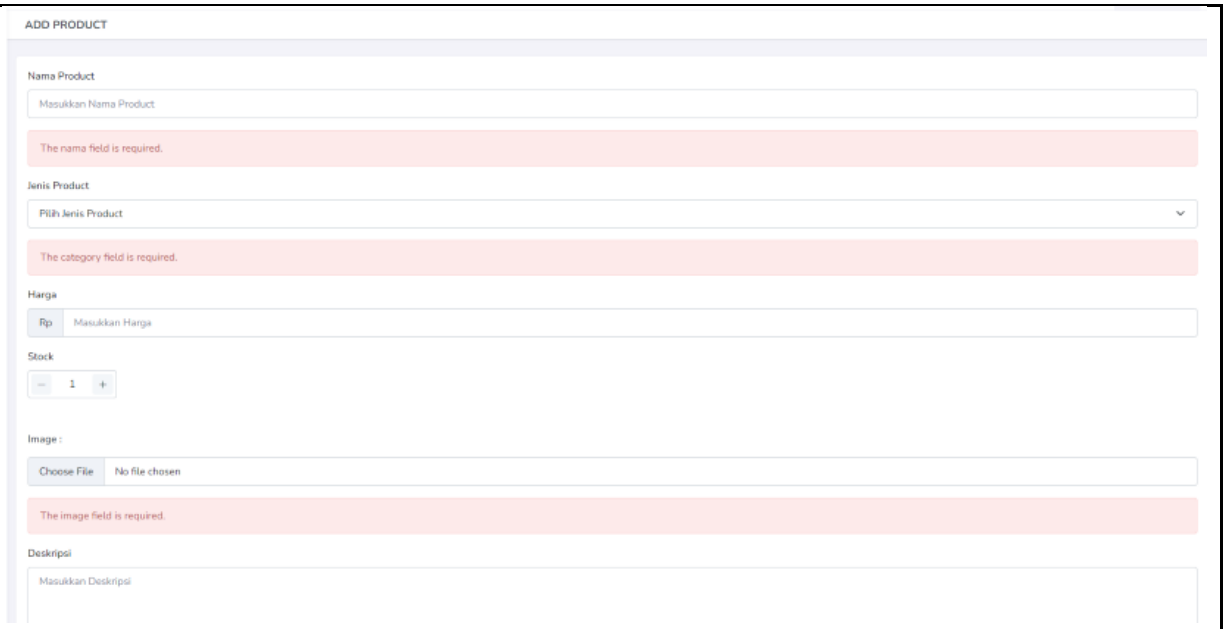
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 87

username	:	Admin3
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 87
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

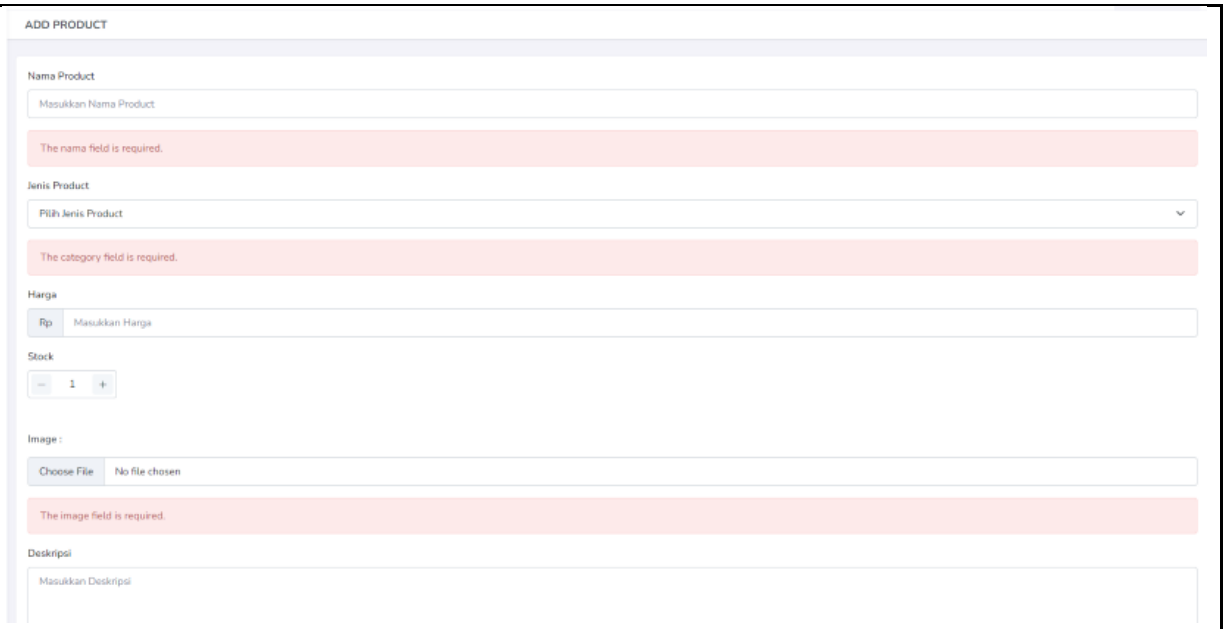
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 88

username	:	Admin4
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	-
deskripsi	:	Barang bagus

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 88
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_invalid_image_and_valid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("Barang bagus");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

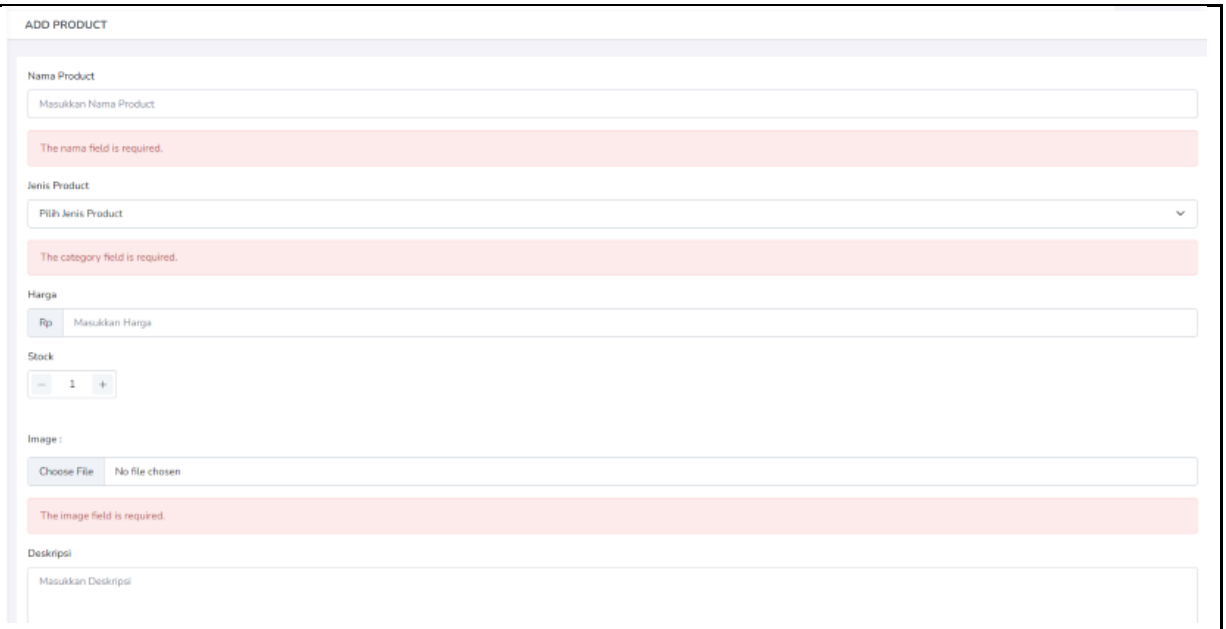
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, invalid image and valid deskripsi (0.000
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 23.: invalid nama product, invalid jenis product, valid harga, valid image and invalid deskripsi [4 test case]
  - ❖ Test Case 89

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	Stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 23 invalid nama, invalid jenis, valid harga, valid image, invalid deskripsi
# ==========================================================================================#

## -- Test Case 89
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 89
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

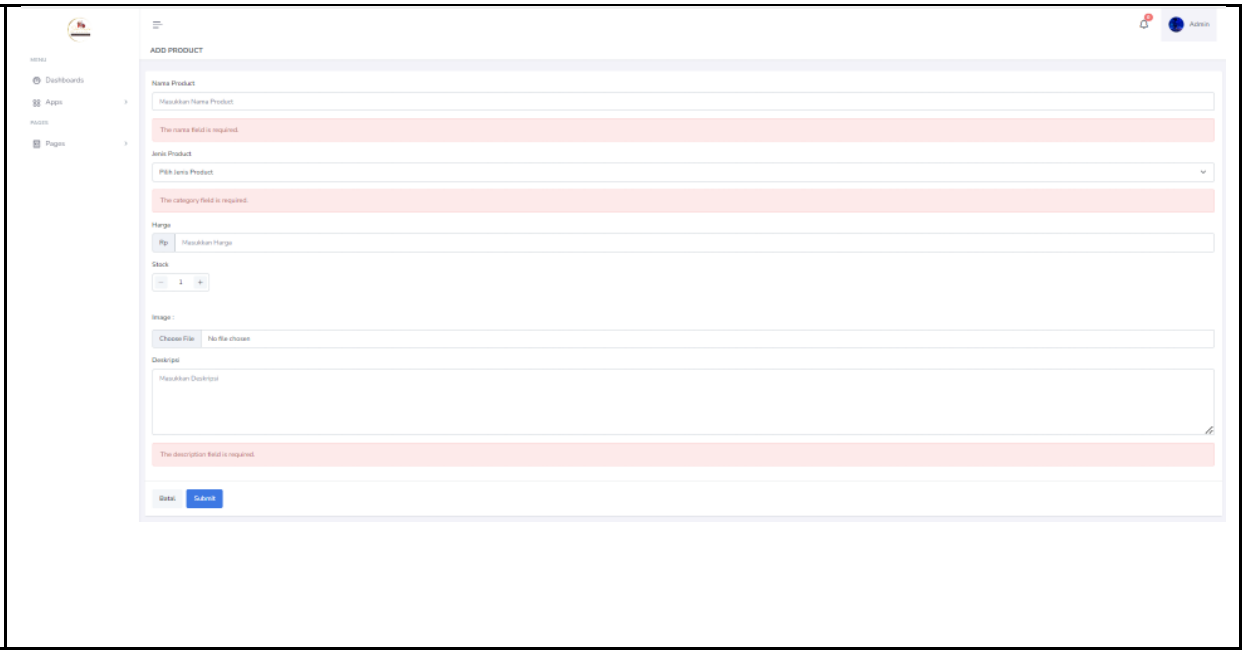
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 90

username	:	Admin2
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	Stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 90
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

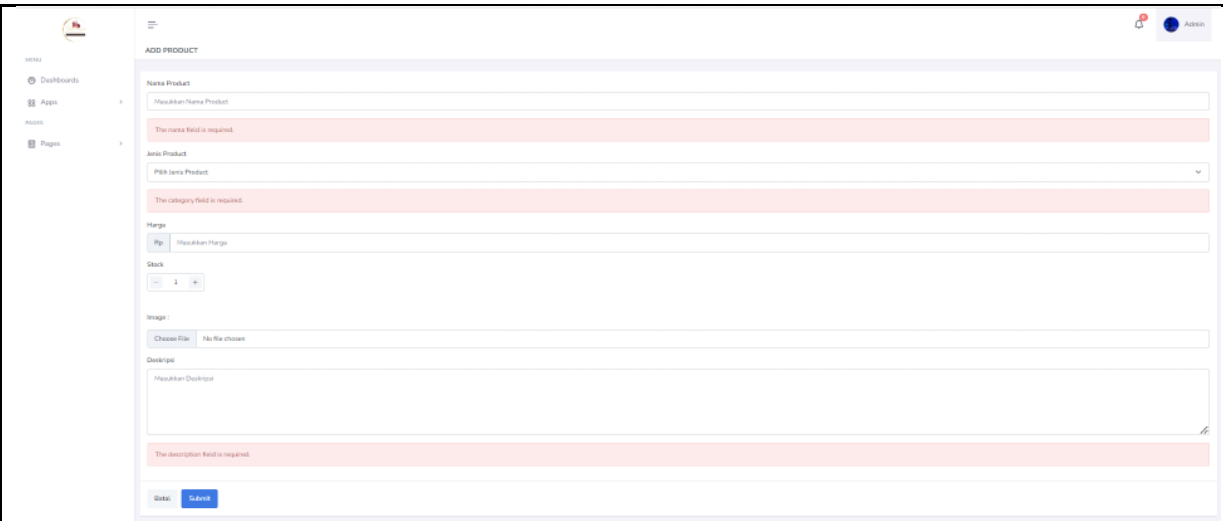
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 91

username	:	Admin3
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	Stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 91
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

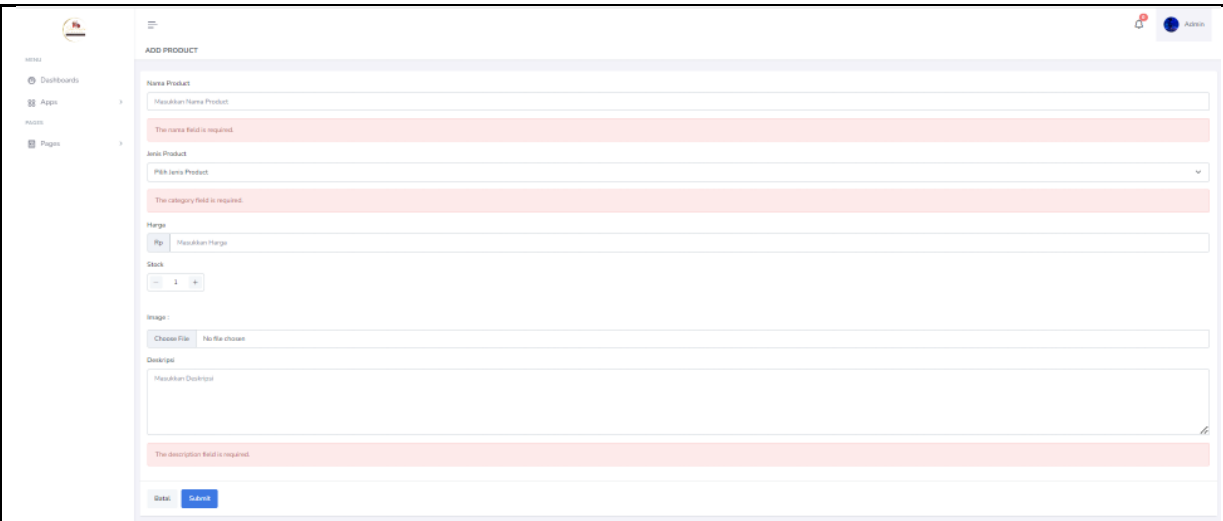
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 92

username	:	Admin4
password	:	admin123
nama	:	-
jenis	:	-
harga	:	15000
image	:	Stolahoras.jpg
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 92
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_valid_harga_valid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("15000");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("stolahoras.jpg");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

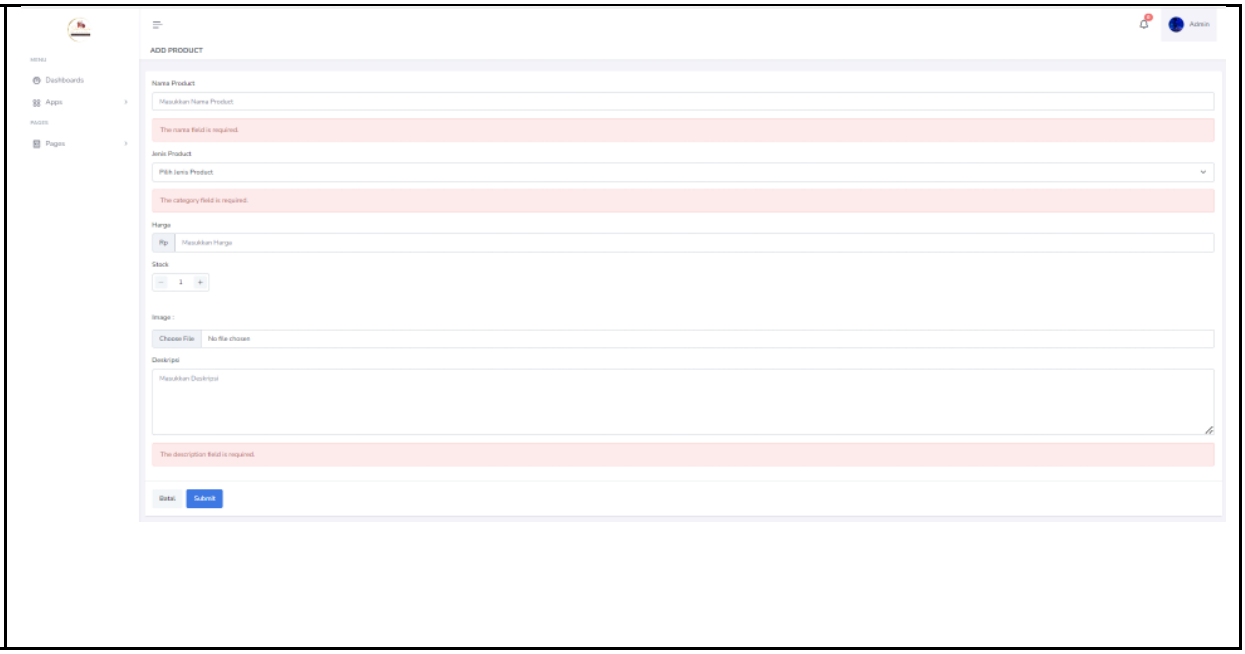
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, valid harga, valid image and invalid deskripsi (0.00
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 24.: invalid nama product, valid jenis product, invalid harga, invalid image and invalid deskripsi [4 test case]
  - ❖ Test Case 93

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 24 invalid nama, valid jenis, invalid harga, invalid image, invalid deskripsi
# ==========================================================================================#

## -- Test Case 93
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 93
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

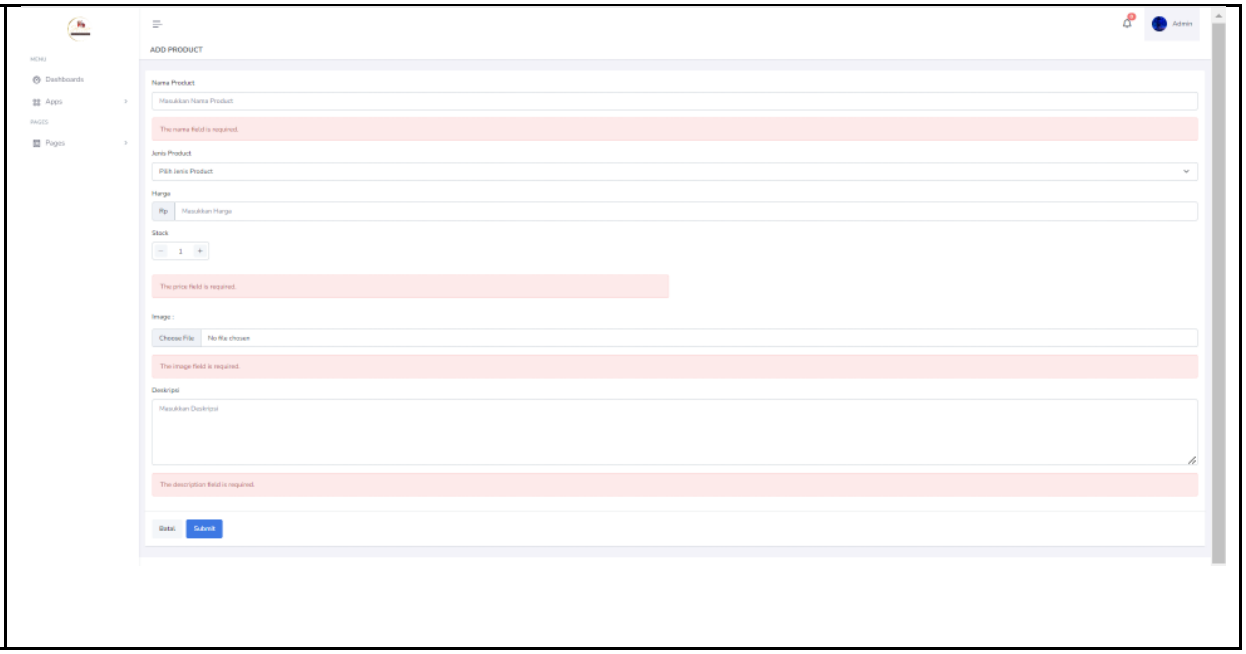
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskrips
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 94

username	:	Admin2
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 94
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

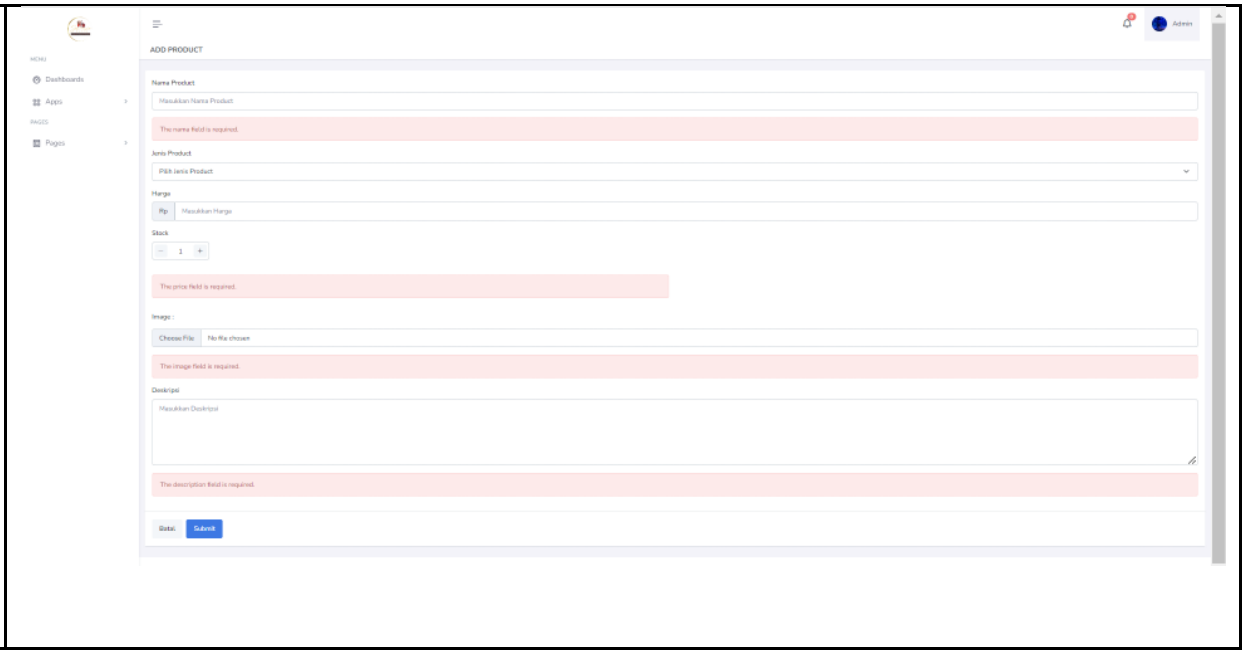
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskrips
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 95

username	:	Admin3
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 95
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

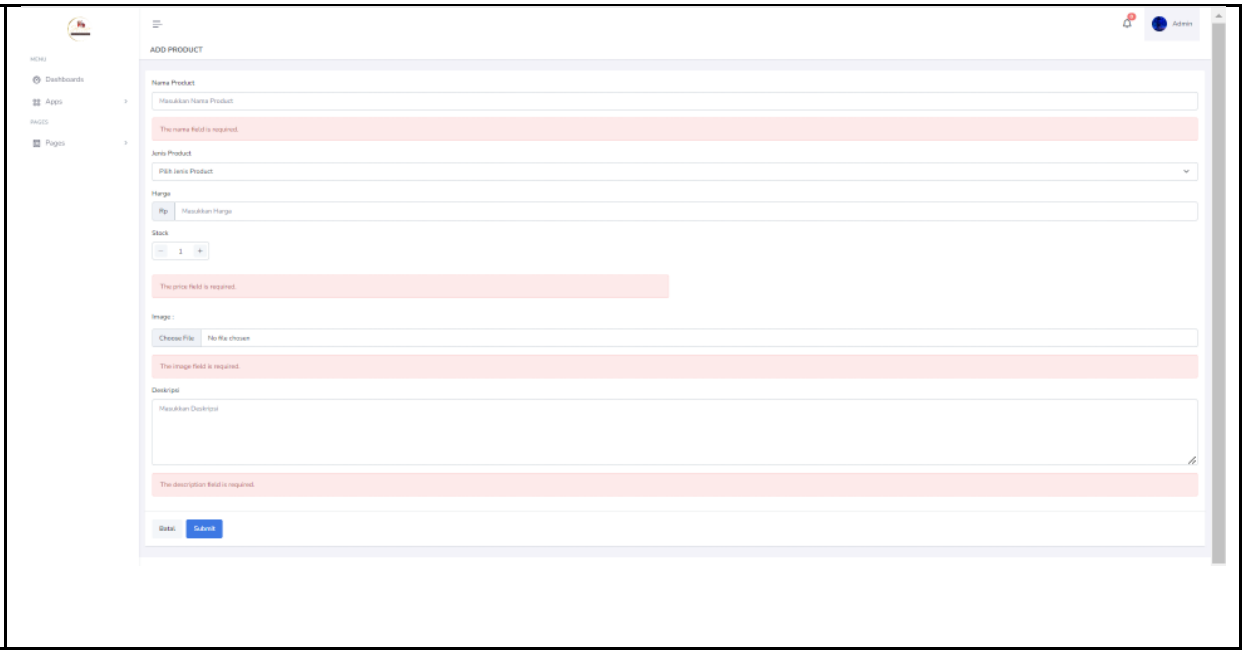
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskrips
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 96

username	:	Admin4
password	:	admin123
nama	:	-
jenis	:	stola
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 96
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_invalid_nama_valid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("stola");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

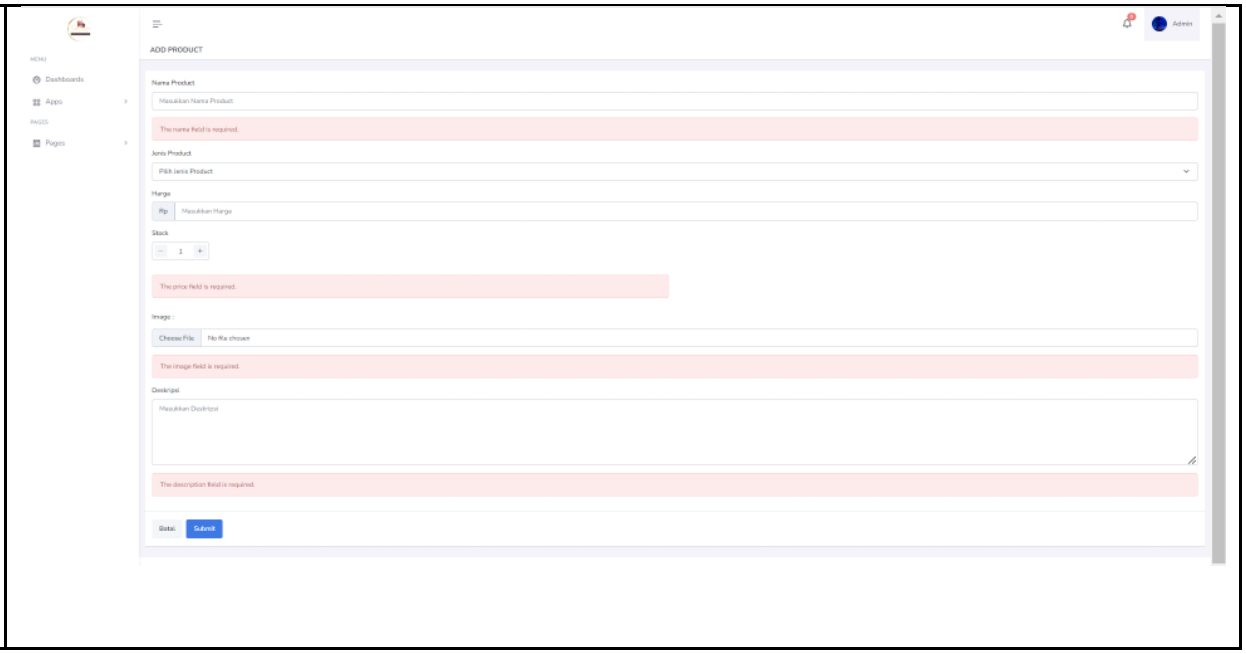
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, valid jenis, invalid harga, invalid image and invalid deskrips
      - Then I cannot add product (0.000 s)

v. The browser while testing



- Scenario 25.: invalid nama product, invalid jenis product, invalid harga, invalid image and invalid deskripsi [4 test case]
  - ❖ Test Case 97

username	:	Admin1
password	:	admin123
nama	:	-
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
# ==========================================================================================================#
# Scenario 25 invalid nama, invalid jenis, invalid harga, invalid image, invalid deskripsi
# ==========================================================================================================#

## -- Test Case 97
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 97
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin1");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

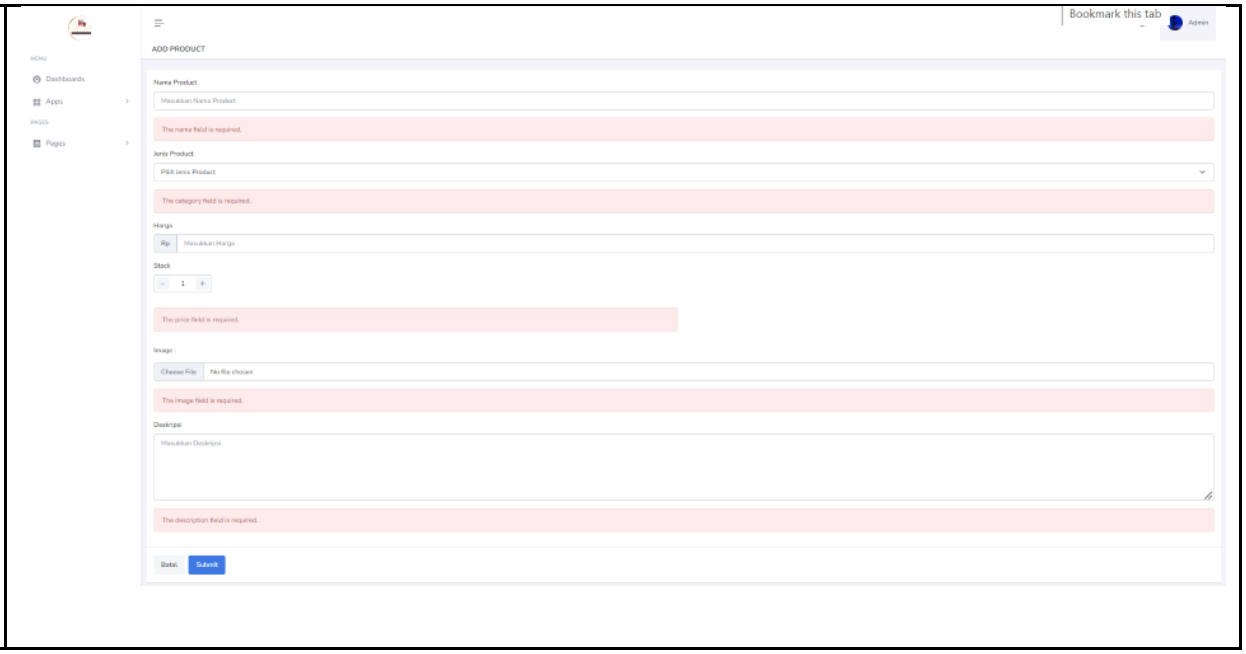
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 98

username	:	Admin2
password	:	admin123
nama	:	-
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	-

i.	The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii.	The step definition

```java
//Test Case 98
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin2");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
```

iii. The Test Runner

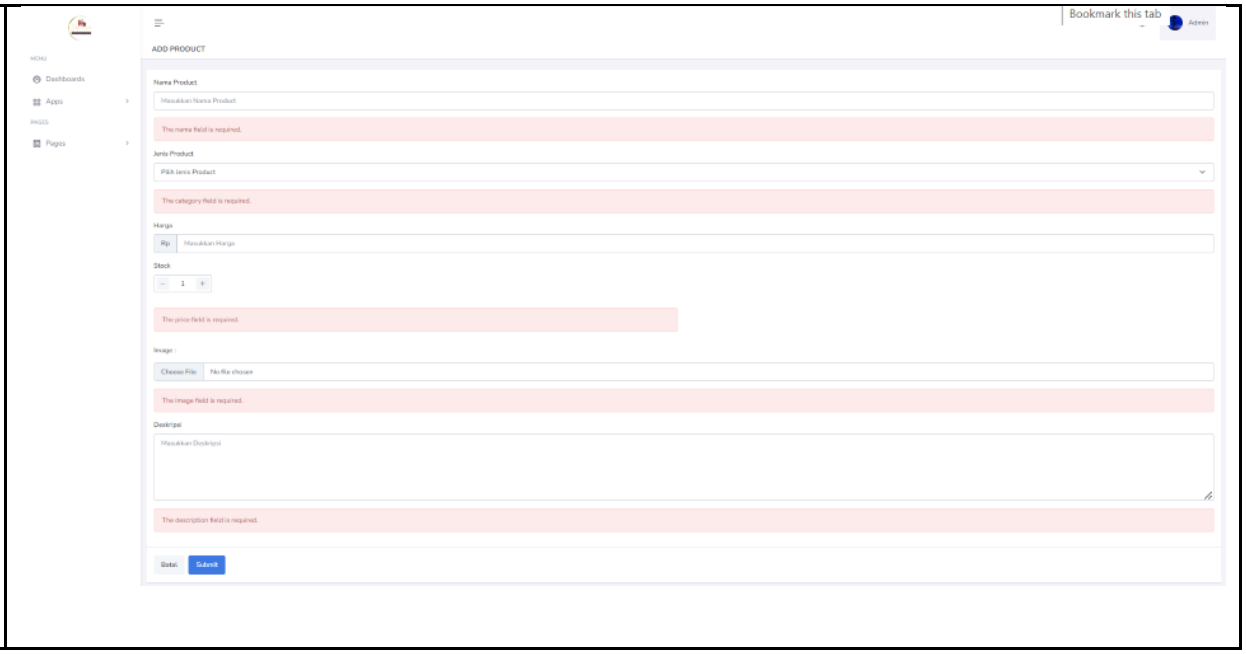
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 99

username	:	Admin3
password	:	admin123
nama	:	-
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
//Test Case 99
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin3");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

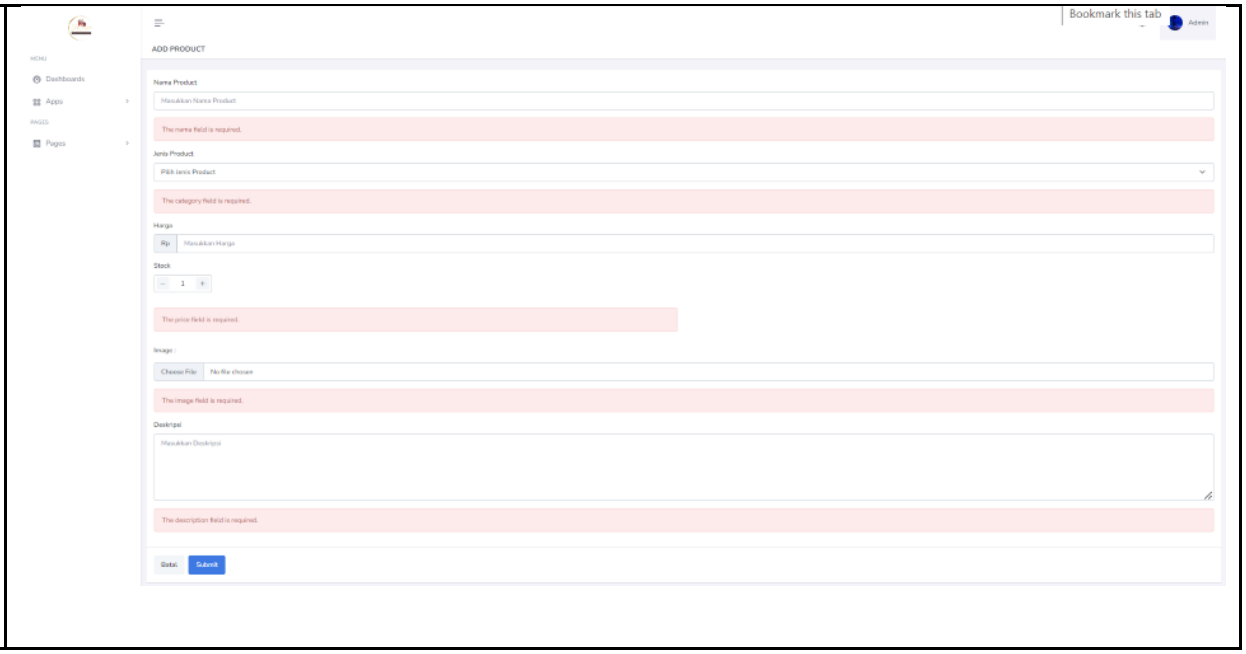
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing



❖ Test Case 100

username	:	Admin4
password	:	admin123
nama	:	-
jenis	:	-
harga	:	-
image	:	-
deskripsi	:	-

i. The test frame for every test case

```
Scenario: Test Tambah Produk
    Given open chrome and start application
    When I enter valid username and valid password admin
    Then I can login successfully
    When I click Tambah Produk button
    Then I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi
    Then I cannot add product
```

ii. The step definition

```java
public class TambahProduk{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
        throw new PendingException();
    }
    @When("^I enter valid username and valid password admin$")
    public void I_enter_valid_username_and_valid_password_admin() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("Admin4");
        wd.findElement(By.id("password-input")).sendKeys("admin123");
        throw new PendingException();
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click Tambah Produk button$")
    public void I_click_Tambah_Produk_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/div[2]/div/a")).click();
        throw new PendingException();
    }
    @Then("^I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi$")
    public void I_enter_invalid_nama_invalid_jenis_invalid_harga_invalid_image_and_invalid_deskripsi() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[1]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[2]/select")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"product-price-input\"]")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div[5]/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"layout-wrapper\"]/div[3]/div/form/div/div[1]/div[6]/textarea")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I cannot add product$")
    public void I_cannot_add_product() throws Throwable {
        wd.findElement(By.id("add-btn")).click();
        throw new PendingException();
    }
}
```

iii. The Test Runner

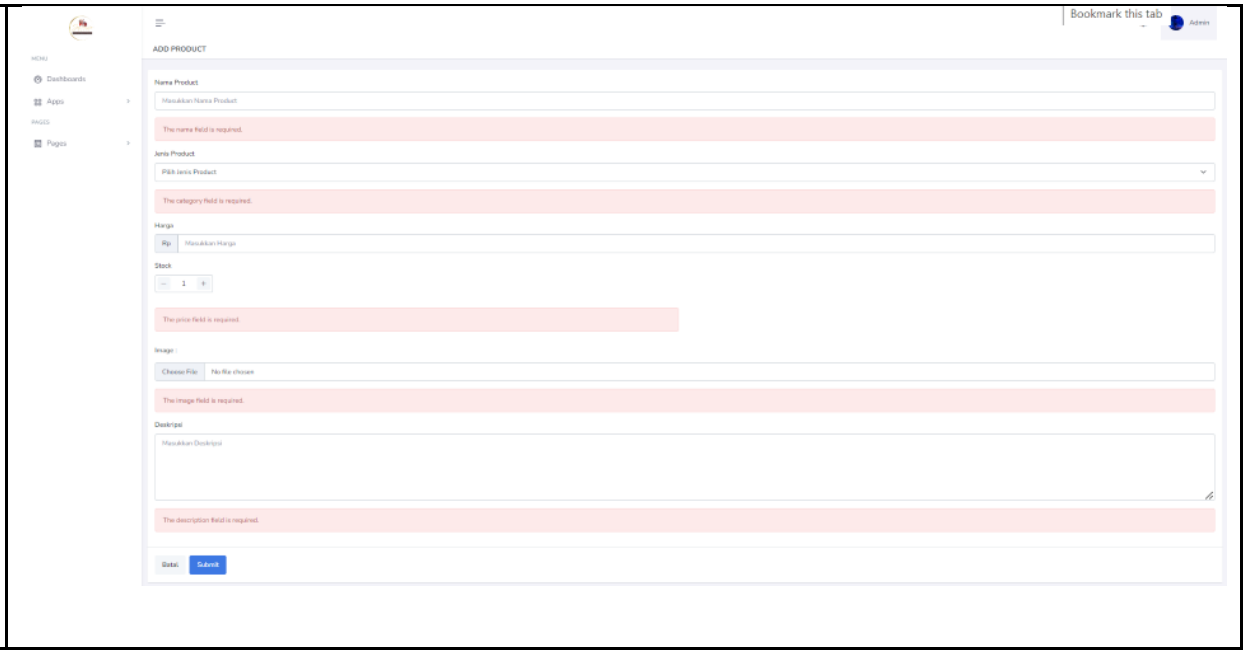
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_TambahProduk", glue = "stepDefinition_TambahProduk")
    @Cucumber.Options(features = "Features_TambahProduk")

public class TambahProdukTestRunner {
}
```

iv. The Console after Running

Runs: 6/6 (7 skipped) Errors: 0 Failures: 0

- runner.TambahProdukTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test Tambah Produk for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test Tambah Produk (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password admin (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click Tambah Produk button (0.000 s)
      - Then I enter invalid nama, invalid jenis, invalid harga, invalid image and invalid deskripsi (0.
      - Then I cannot add product (0.000 s)

v. The browser while testing


Bookmark this tab
Admin
MENU
Dashboards
Apps
PAGES
Pages
ADD PRODUCT
Nama Product
Masukkan Nama Product
The name field is required.
Jenis Product
Pilih Jenis Product
The category field is required.
Harga
Rp
Masukkan Harga
Stock
1
The price field is required.
Image :
Choose File
No file chosen
The image field is required.
Deskripsi
Masukkan Deskripsi
The description field is required.
Batal
Submit

4. Fungsi CheckOut

Jenis	Field					Jumlah Test Case
	nomor telepon	address	kode pos	shipping method	bukti pembayaran	
Scenario 1	valid	valid	valid	valid	valid	4
Scenario 2	valid	invalid	valid	valid	valid	4
Scenario 3	valid	valid	invalid	valid	valid	4
Scenario 4	valid	valid	valid	invalid	valid	4
Scenario 5	valid	valid	valid	valid	invalid	4
Scenario 6	valid	invalid	invalid	valid	valid	4
Scenario 7	valid	invalid	valid	invalid	valid	4
Scenario 8	valid	invalid	valid	valid	invalid	4
Scenario 9	valid	invalid	invalid	invalid	valid	4
Scenario 10	valid	invalid	valid	invalid	invalid	4
Scenario 11	valid	invalid	invalid	invalid	invalid	4
Scenario 12	valid	valid	invalid	invalid	valid	4
Scenario 13	valid	valid	invalid	valid	invalid	4
Scenario 14	valid	valid	invalid	invalid	invalid	4
Scenario 15	valid	valid	valid	invalid	invalid	4
Scenario 16	invalid	valid	valid	valid	valid	4
Scenario 17	invalid	invalid	valid	valid	valid	4
Scenario 18	invalid	valid	invalid	valid	valid	4
Scenario 19	invalid	valid	valid	invalid	valid	4
Scenario 20	invalid	valid	valid	valid	invalid	4
Scenario 21	invalid	invalid	invalid	valid	valid	4
Scenario 22	invalid	invalid	valid	invalid	valid	4
Scenario 23	invalid	invalid	valid	valid	invalid	4
Scenario 24	invalid	valid	invalid	invalid	invalid	4
Scenario 25	invalid	invalid	invalid	invalid	invalid	4
Total						100 test case

- Scenario 1.: valid nomor telepon, valid address, valid kode pos, valid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 1

username	:	usercoba1
password	:	usercoba1
no. telp	:	12345678
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================================#
# Scenario 1 valid nomor telepon, valid address, valid kode pos, valid shipping method and valid bukti pembayaran
# ==========================================================================================================================#

## -- Test Case 1
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercobal");
        wd.findElement(By.id("password-input")).sendKeys("usercobal");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]").click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a").click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a").click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input").sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea").sendKeys("Lagubotl");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input").sendKeys("22313");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a").click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label").click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]").click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea").sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a").click();
    }
```

iii. The Test Runner

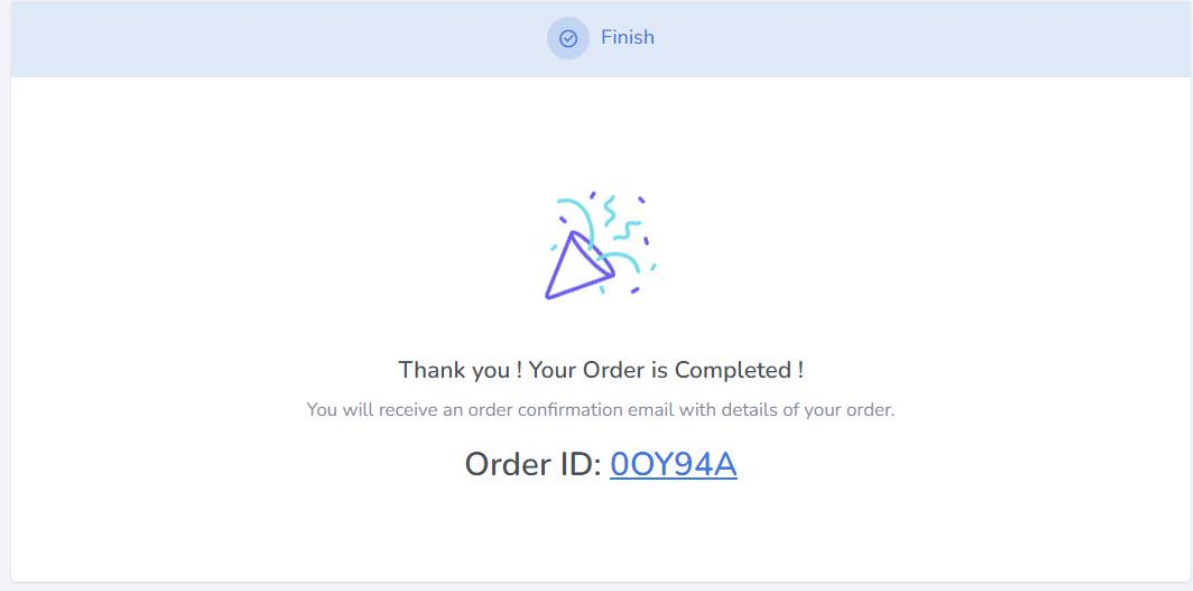
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.001 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 2

username	:	usercoba2
password	:	usercoba2
no. telp	:	1234567
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
71  public class CheckOut{
72      WebDriver wd;
73      @Given("^open chrome and start application$")
74      public void open_chrome_and_start_application() throws Throwable {
75          System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
76          WebDriver wd = new ChromeDriver();
77          wd.get("http://127.0.0.1:8000/login");
78      }
79      @When("^I enter valid username and valid password user$")
80      public void I_enter_valid_username_and_valid_password_user() throws Throwable {
81          wd.findElement(By.id("username")).sendKeys("usercoba2");
82          wd.findElement(By.id("password-input")).sendKeys("usercoba2");
83      }
84      @Then("^I can login successfully$")
85      public void I_can_login_successfully() throws Throwable {
86          wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
87      }
88      @When("^I click My Chart button and Lihat Keranjang button$")
89      public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
90          wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]").click();
91          wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
92      }
93      @Then("^I click ChekOut button$")
94      public void I_click_ChekOut_button() throws Throwable {
95          wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
96      }
97      @When("^I enter valid nomor telepon, valid address, valid kode pos$")
98      public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
99          wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[1]/div[2]/div[2]/div/input")).sendKeys("1234567");
100         wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Lagubati");
101         wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[1]/div[5]/input")).sendKeys("22312");
102         throw new PendingException();
103     }
104     @Then("^I click Continue to Shipping$")
105     public void I_click_Continue_to_Shipping() throws Throwable {
106         wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
107     }
108     @When("^I click valid Shipping Method$")
109     public void I_click_valid_Shipping_Method() throws Throwable {
110         wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
111     }
112     @Then("^I click Continue to Payment$")
113     public void I_click_Continue_to_Payment() throws Throwable {
114         wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
115     }
116     @When("^I enter valid bukti pembayaran$")
117     public void I_enter_valid_bukti_pembayaran() throws Throwable {
118         wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
119     }
120     @Then("^I can checkout order successfully$")
121     public void I_can_checkout_order_successfully() throws Throwable {
122         wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
123     }
```

iii.	The Test Runner

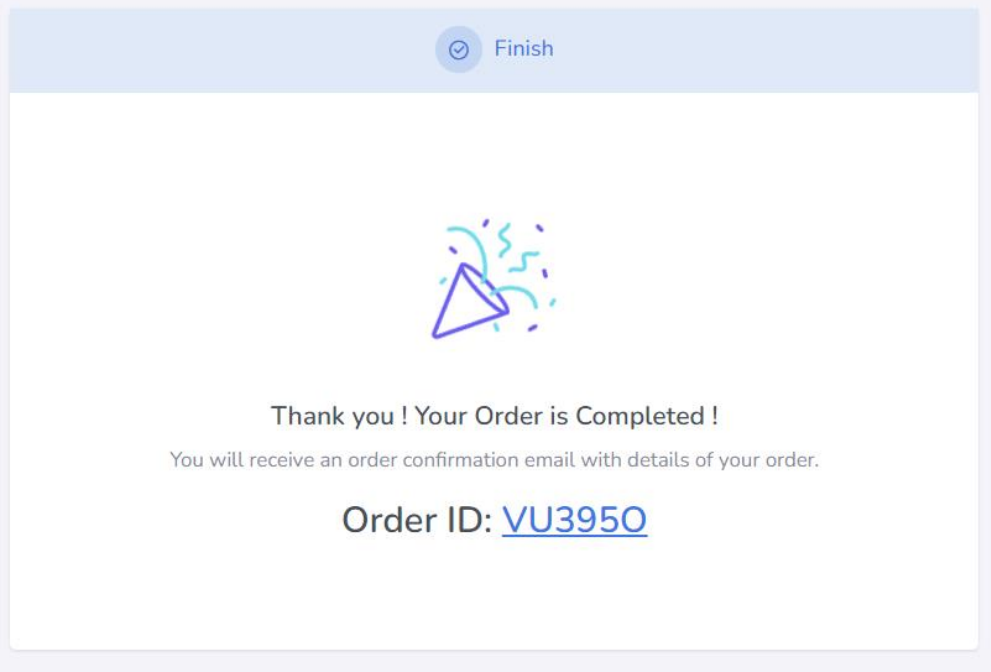
```
1  package runner;
2
3  import org.junit.runner.RunWith;
4  import cucumber.api.junit.Cucumber;
5
6  @RunWith(Cucumber.class)
7
8      /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/
9
10 //  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
11     @Cucumber.Options(features = "Features_CheckOut")
12
13 public class CheckOutTestRunner {
14
15 }
```

iv.	The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.001 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 3

username	:	usercoba3
password	:	usercoba3
no. telp	:	123456
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Lagubotl");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

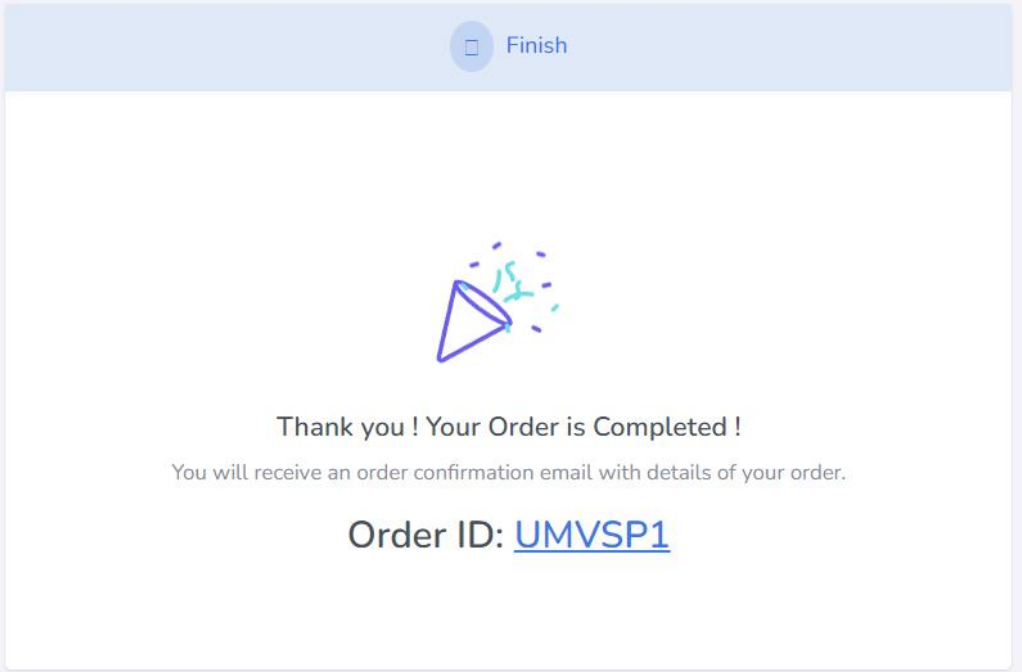
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv.	The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.001 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 4

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456789
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
183 public class CheckOut{
184     WebDriver wd;
185     @Given("^open chrome and start application$")
186     public void open_chrome_and_start_application() throws Throwable {
187         System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
188         WebDriver wd = new ChromeDriver();
189         wd.get("http://127.0.0.1:8000/login");
190     }
191     @When("^I enter valid username and valid password user$")
192     public void I_enter_valid_username_and_valid_password_user() throws Throwable {
193         wd.findElement(By.id("username")).sendKeys("usercoba4");
194         wd.findElement(By.id("password-input")).sendKeys("usercoba4");
195     }
196     @Then("^I can login successfully$")
197     public void I_can_login_successfully() throws Throwable {
198         wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
199     }
200     @When("^I click My Chart button and Lihat Keranjang button$")
201     public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
202         wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
203         wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
204     }
205     @Then("^I click ChekOut button$")
206     public void I_click_ChekOut_button() throws Throwable {
207         wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
208     }
209     @When("^I enter valid nomor telepon, valid address, valid kode pos$")
210     public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
211         wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
212         wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
213         wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
214         throw new PendingException();
215     }
216     @Then("^I click Continue to Shipping$")
217     public void I_click_Continue_to_Shipping() throws Throwable {
218         wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
219     }
220     @When("^I click valid Shipping Method$")
221     public void I_click_valid_Shipping_Method() throws Throwable {
222         wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
223     }
224     @Then("^I click Continue to Payment$")
225     public void I_click_Continue_to_Payment() throws Throwable {
226         wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
227     }
228     @When("^I enter valid bukti pembayaran$")
229     public void I_enter_valid_bukti_pembayaran() throws Throwable {
230         wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
231     }
232     @Then("^I can checkout order successfully$")
233     public void I_can_checkout_order_successfully() throws Throwable {
234         wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
235     }
```

iii. The Test Runner

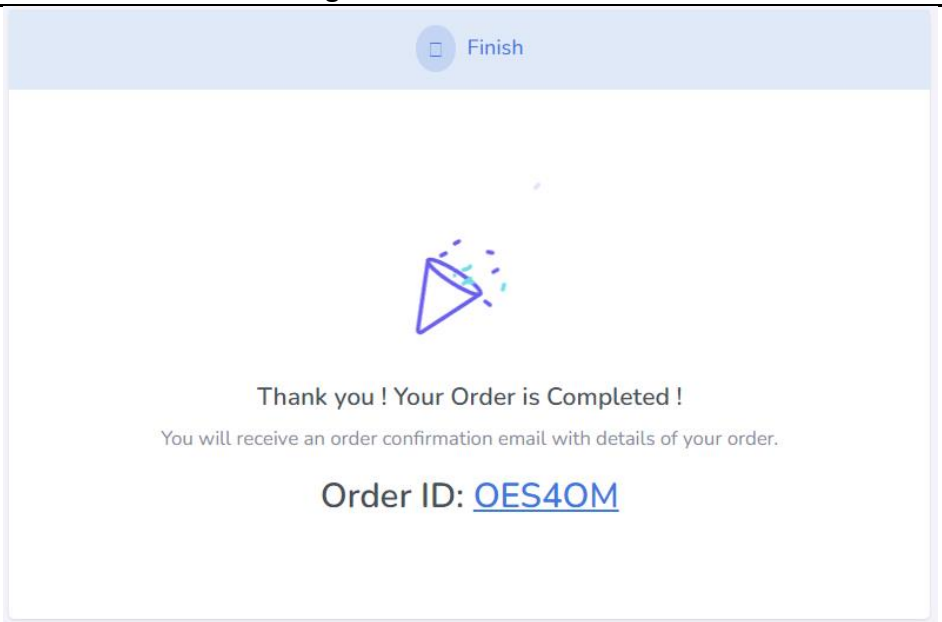
```
1  package runner;
2
3  import org.junit.runner.RunWith;
4  import cucumber.api.junit.Cucumber;
5
6  @RunWith(Cucumber.class)
7
8      /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/
9
10 //  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
11     @Cucumber.Options(features = "Features_CheckOut")
12
13 public class CheckOutTestRunner {
14
15 }
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.001 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



- Scenario 2.: valid nomor telepon, invalid address, valid kode pos, valid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 5

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
# ==========================================================================================================#
# Scenario 2 valid nomor telepon, invalid address, valid kode pos, valid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 5
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

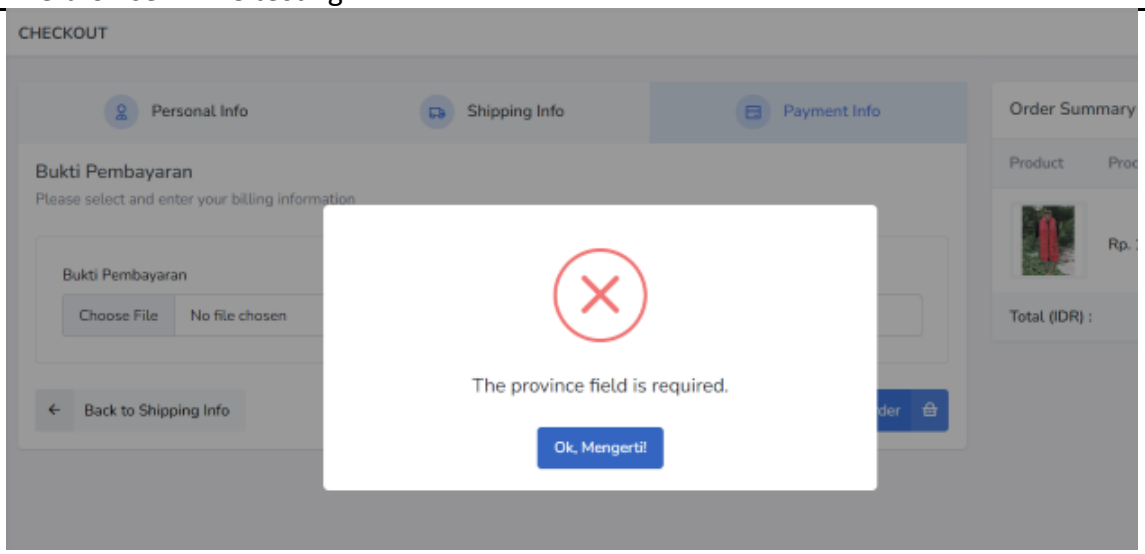
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 6

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"bills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"bills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

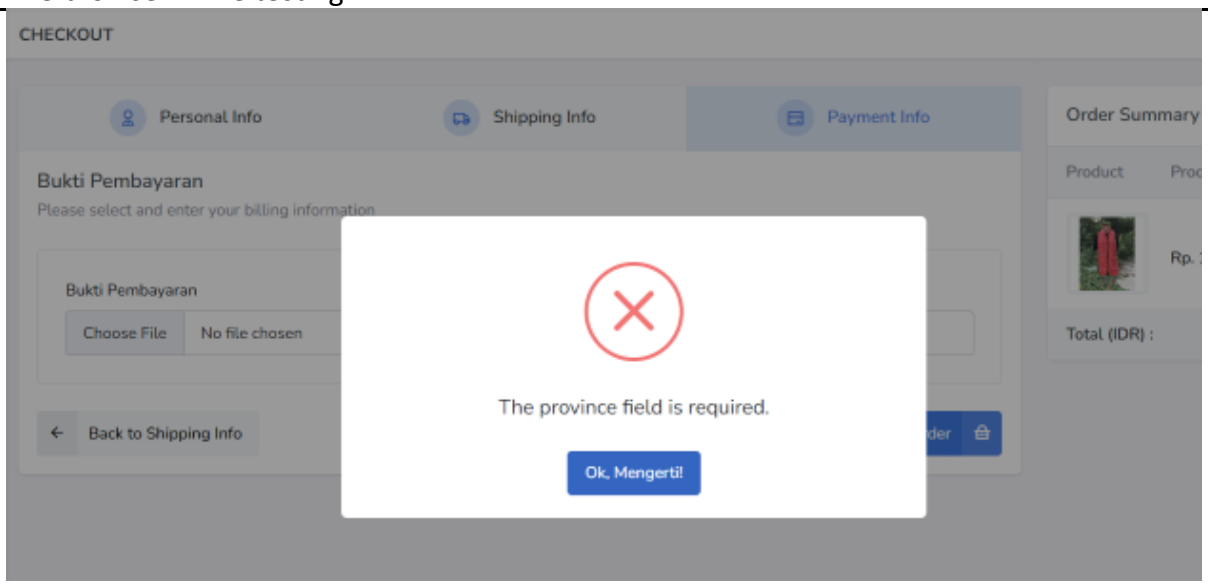
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 7

username	:	usercoba3
password	:	usercoba3
no. telp	:	1234567
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[1]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

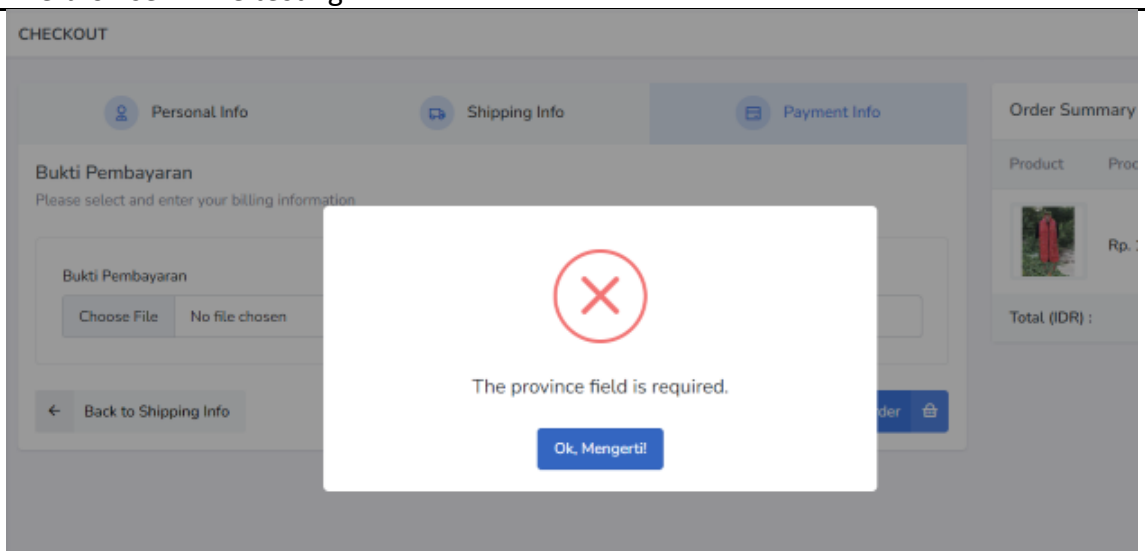
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv.	The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 8

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

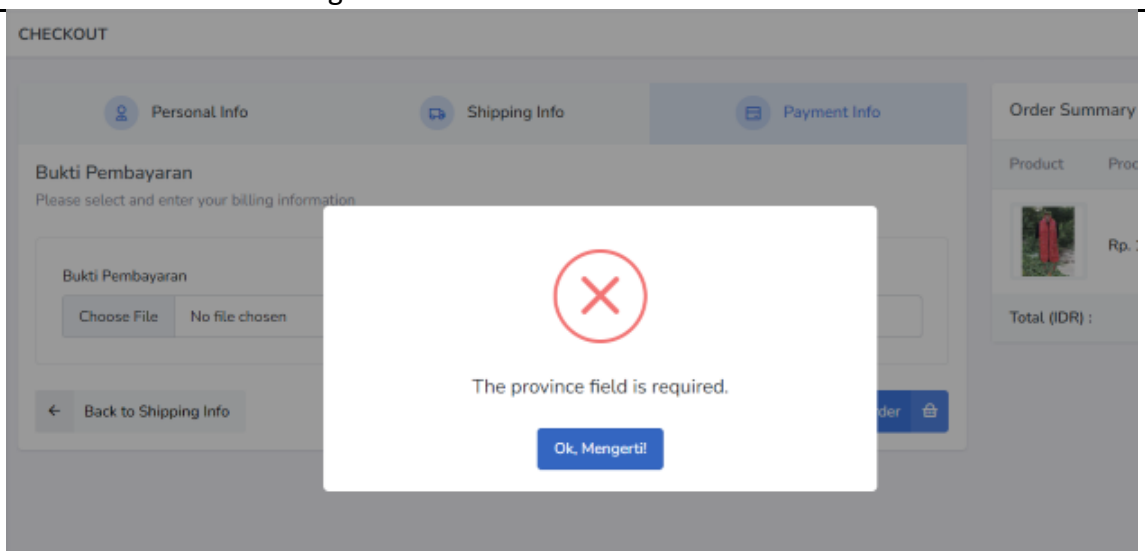
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv.	The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



- Scenario 3: valid nomor telepon, valid address, invalid kode pos, valid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 9

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 3 valid nomor telepon, valid address, invalid kode pos, valid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 9
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

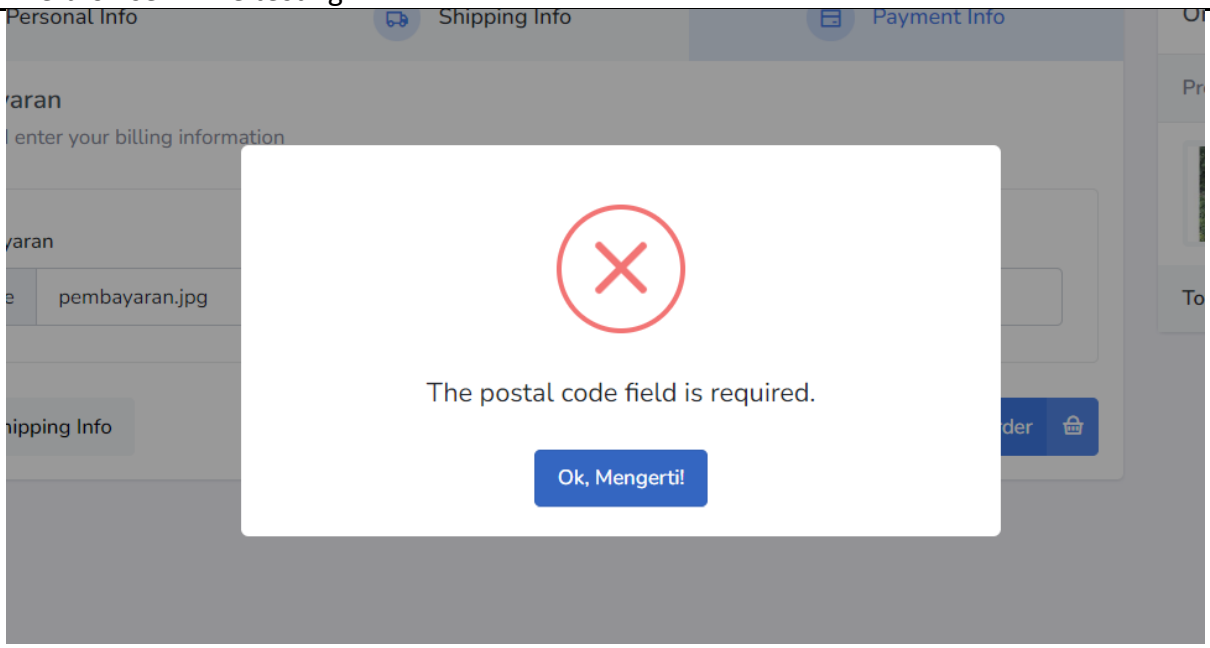
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test CheckOut (0.002 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 10

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

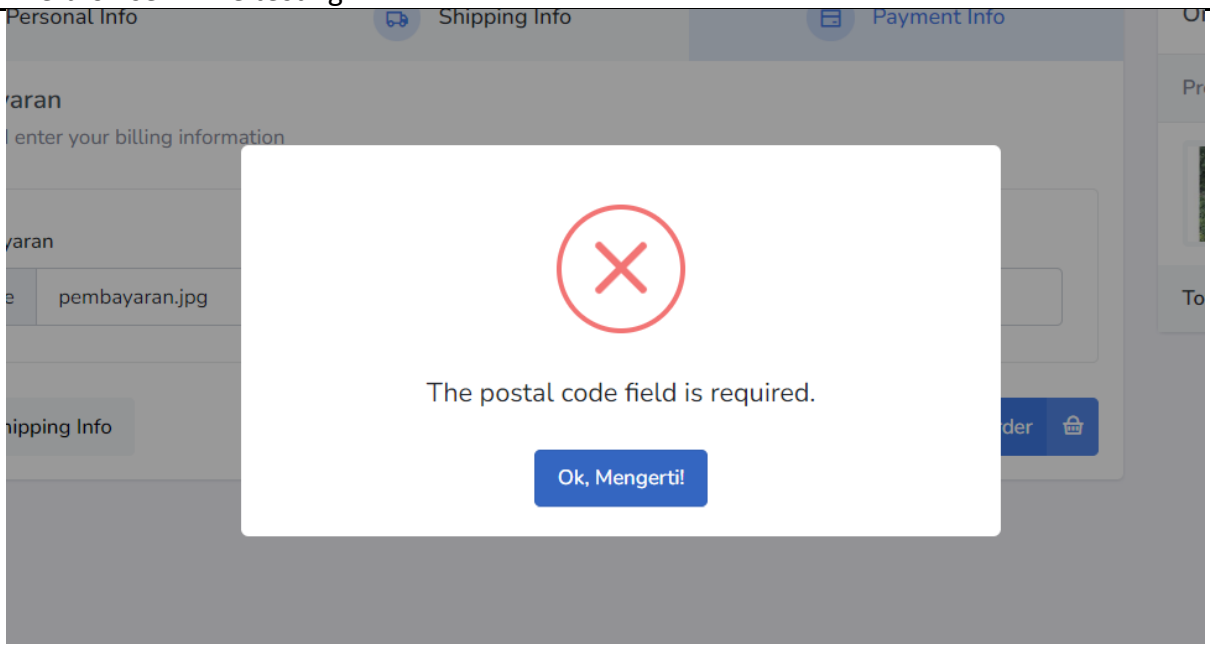
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test CheckOut (0.002 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 11

username	:	usercoba3
password	:	usercoba3
no. telp	:	1234567
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

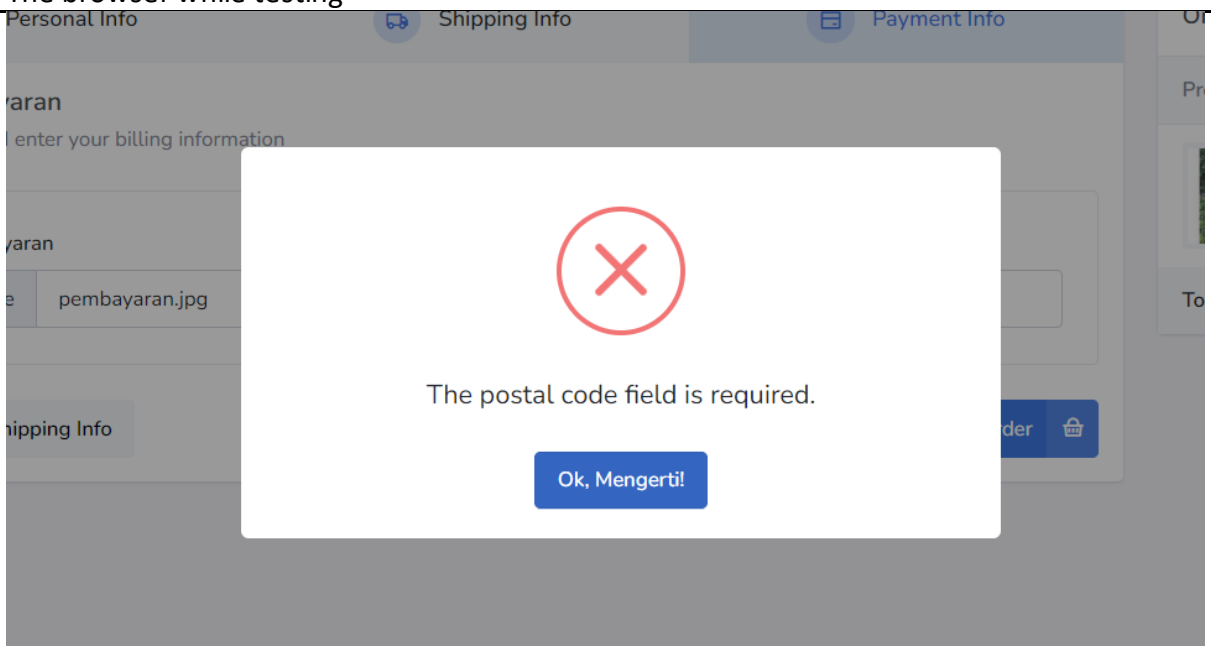
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv.	The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test CheckOut (0.002 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 12

username	:	usercoba4
password	:	usercoba4
no. telp	:	12345678
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

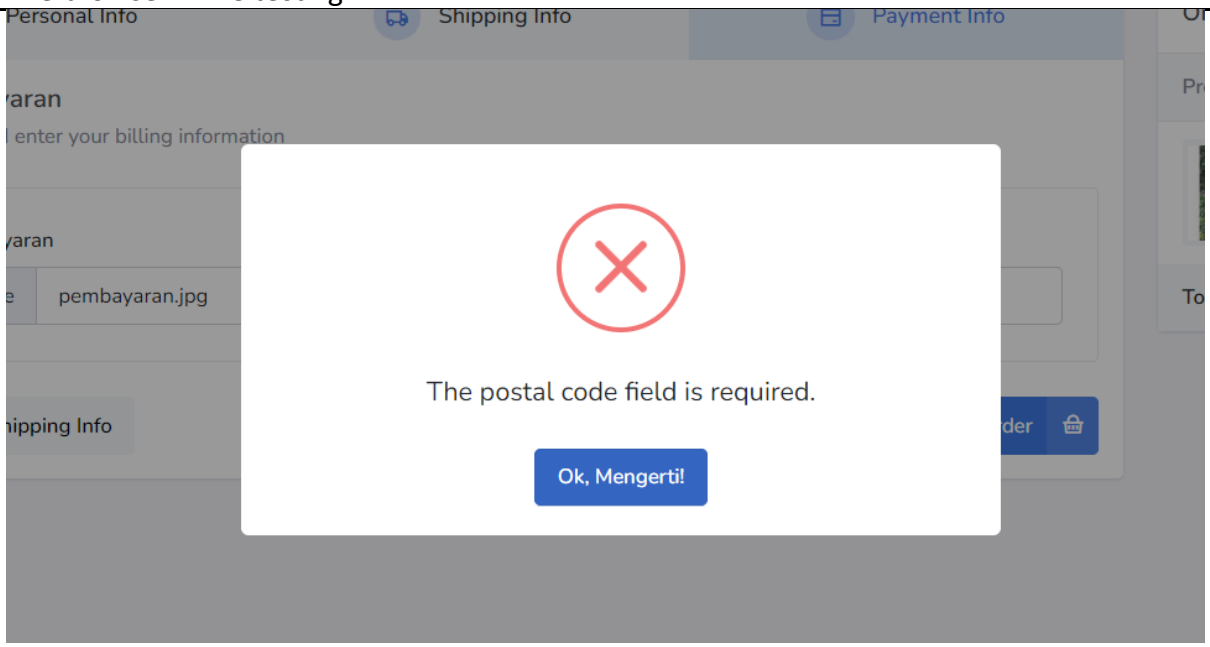
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv.	The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.002 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.002 s)
    - Scenario: Test CheckOut (0.002 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



- Scenario 4: valid nomor telepon, valid address, valid kode pos, invalid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 13

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==============================================================================================================#
# Scenario 4 valid nomor telepon, valid address, valid kode pos, invalid shipping method and valid bukti pembayaran
# ==============================================================================================================#

## -- Test Case 13
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
//Test Case 13
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[1]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

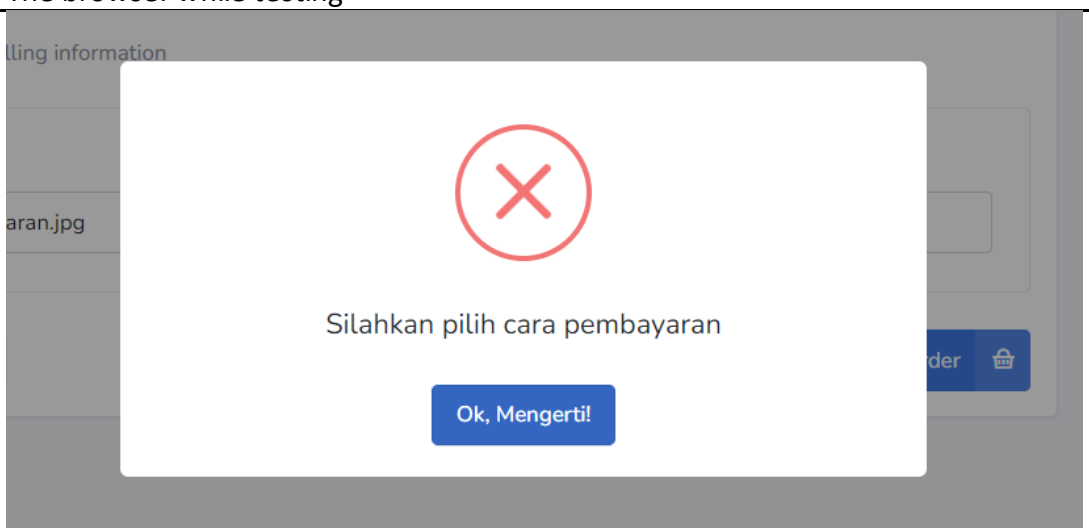
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 14

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

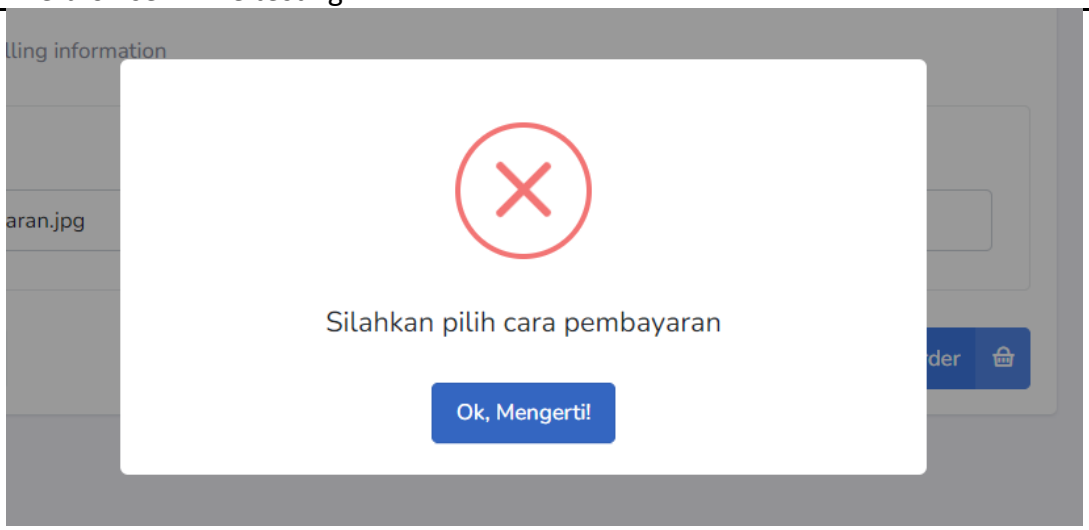
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv.	The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 15

username	:	usercoba3
password	:	usercoba3
no. telp	:	1234567
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
//Test Case 15
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii.	The Test Runner

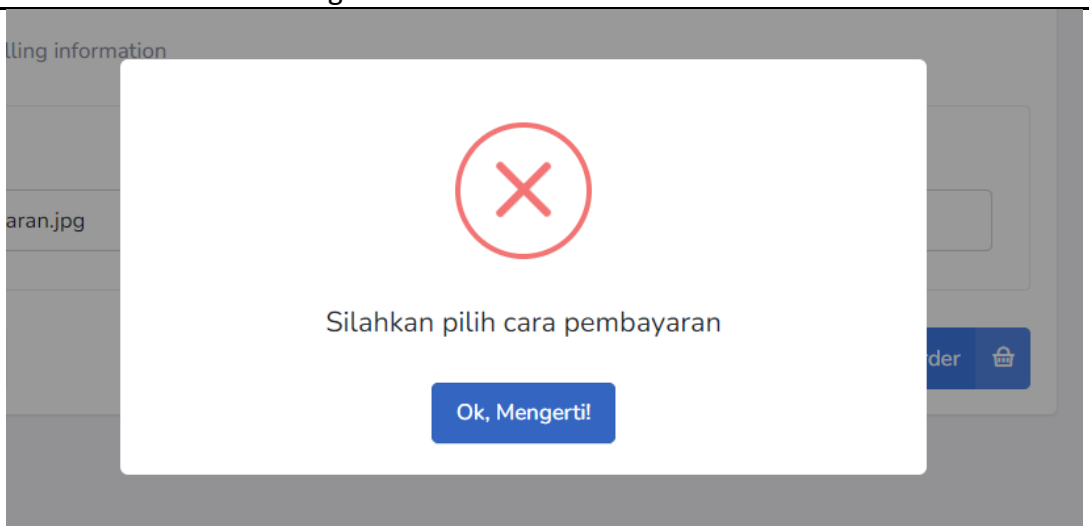
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv.	The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 16

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
//Test Case 16
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

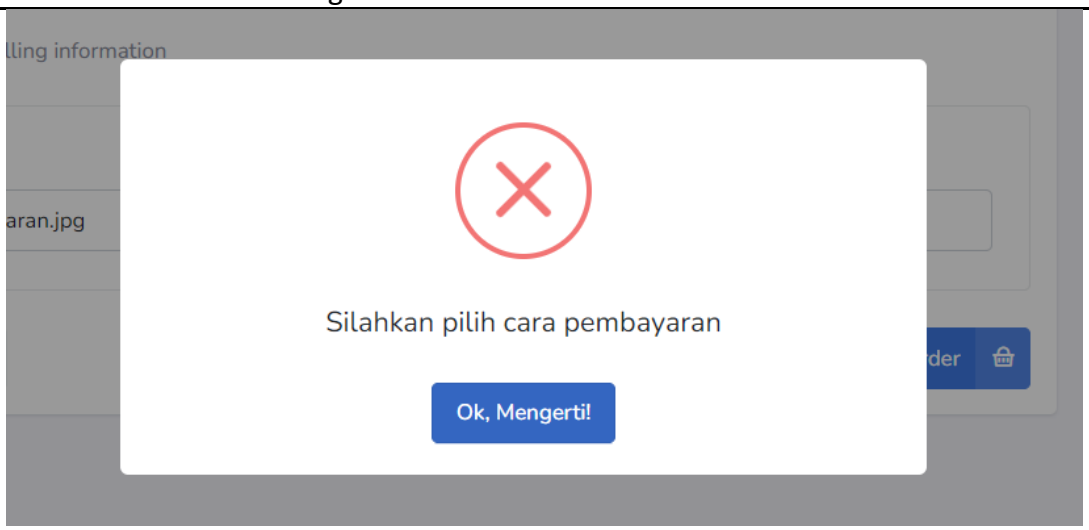
```
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
- Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
  - Scenario: Test CheckOut (0.001 s)
    - Given open chrome and start application (0.000 s)
    - When I enter valid username and valid password user (0.000 s)
    - Then I can login successfully (0.000 s)
    - When I click My Chart button and Lihat Keranjang button (0.000 s)
    - Then I click ChekOut button (0.000 s)
    - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
    - Then I click Continue to Shipping (0.000 s)
    - Then I click Continue to Payment (0.000 s)
    - When I enter valid bukti pembayaran (0.000 s)
    - Then I can checkout order successfully (0.000 s)

v. The browser while testing



- Scenario 5: valid nomor telepon, valid address, valid kode pos, valid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 17

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 5 valid nomor telepon, valid address, valid kode pos, valid shipping method and invalid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 17
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[1]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

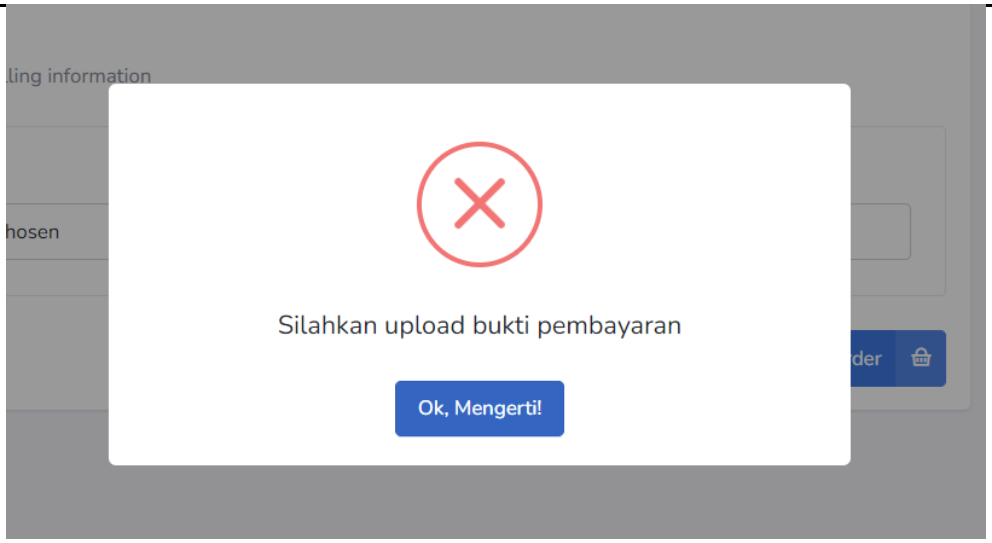
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 18

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

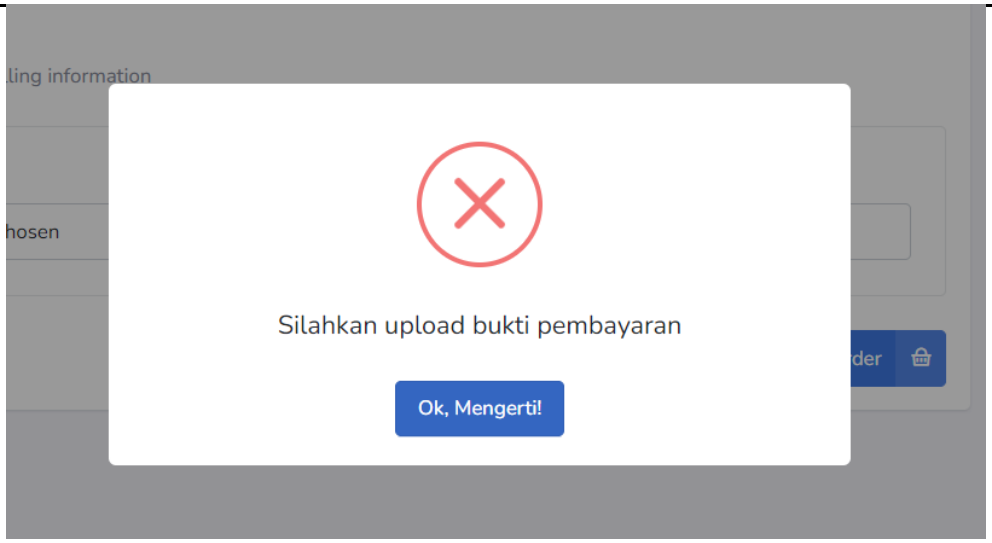
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 19

username	:	usercoba3
password	:	usercoba3
no. telp	:	1234567
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

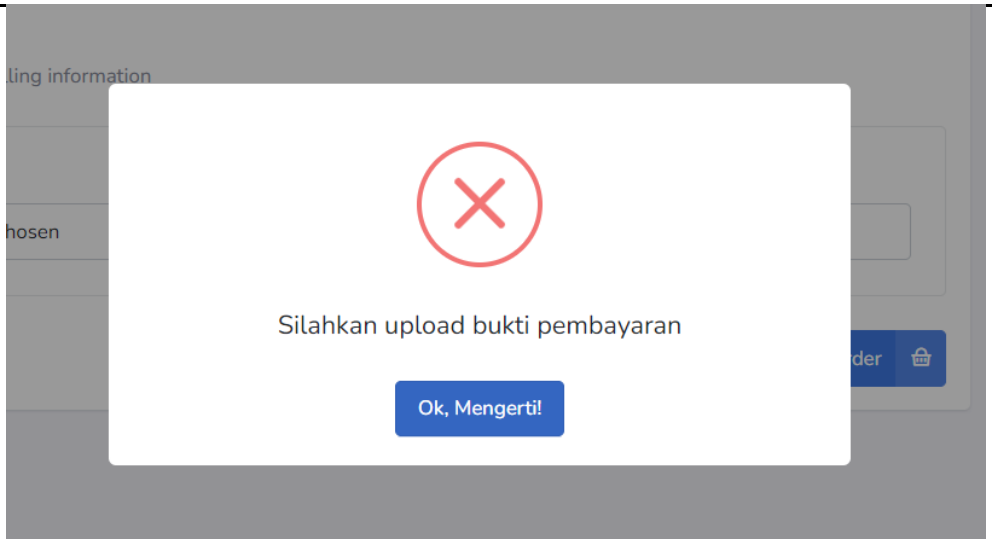
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 20

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

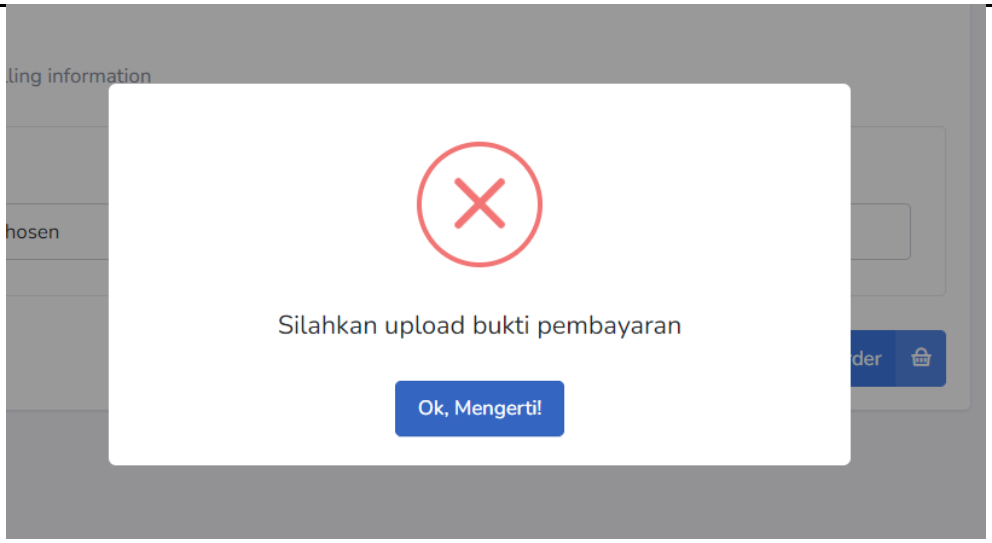
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



- Scenario 6: valid nomor telepon, invalid address, invalid kode pos, valid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 21

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	-
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 6 valid nomor telepon, invalid address, invalid kode pos, valid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 21
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

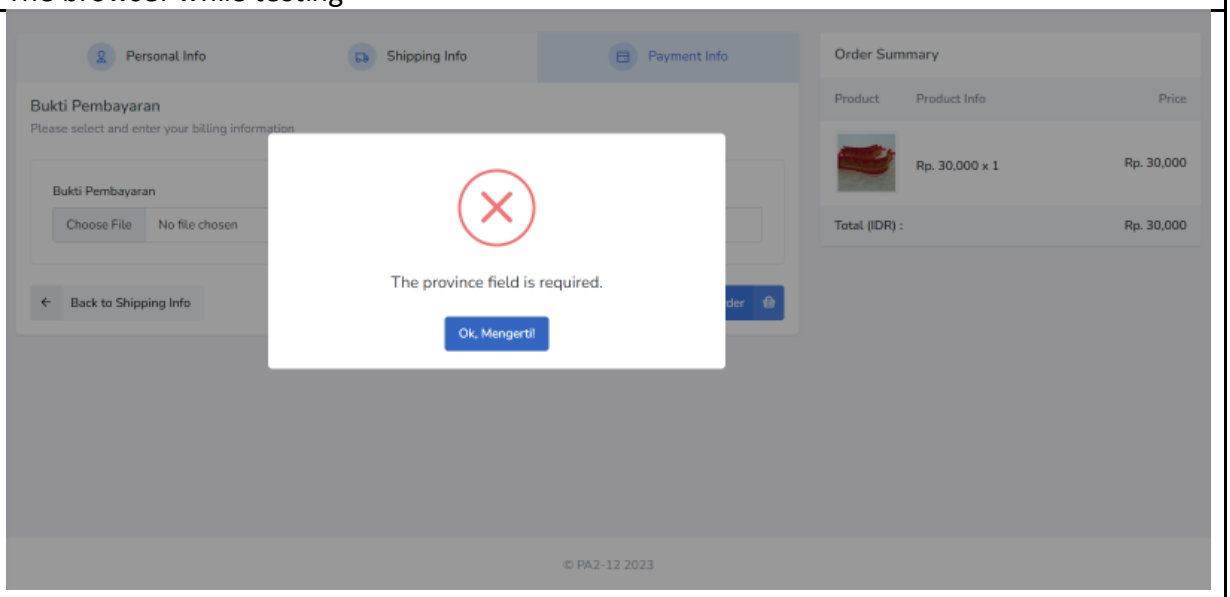
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 22

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	-
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

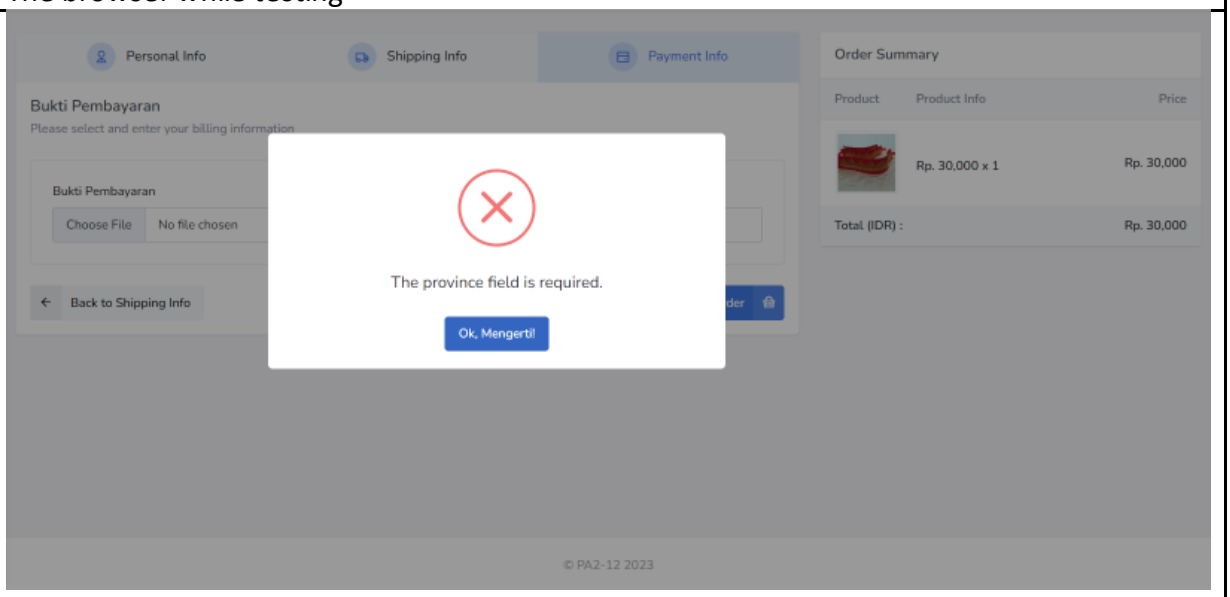
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 23

username	:	usercoba3
password	:	usercoba3
no. telp	:	12345678
address	:	-
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[5]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[5]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[5]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

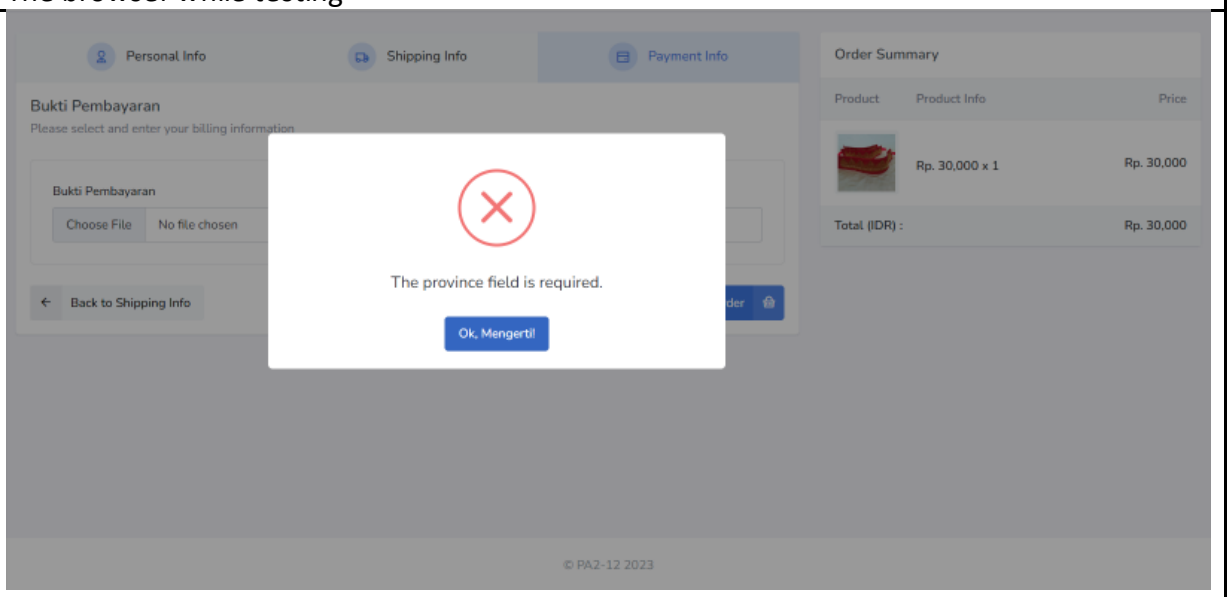
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 24

username	:	usercoba4
password	:	usercoba4
no. telp	:	12345678
address	:	-
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

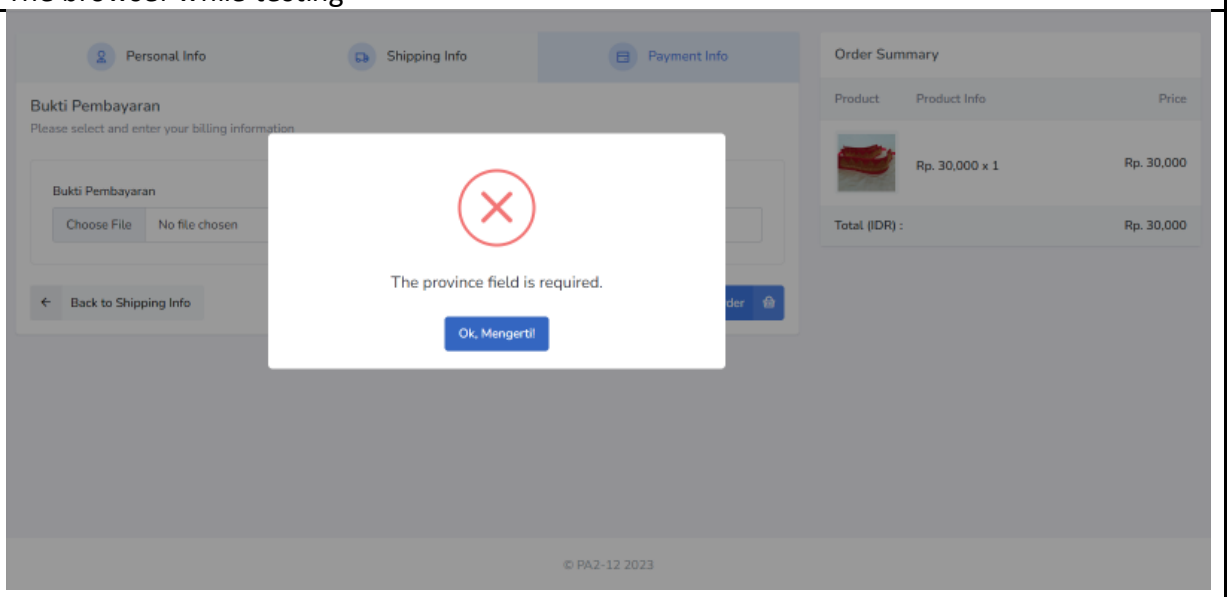
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



- Scenario 7: valid nomor telepon, invalid address, valid kode pos, invalid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 25

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 7 valid nomor telepon, invalid address, valid kode pos, invalid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 25
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
//Test Case 25
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

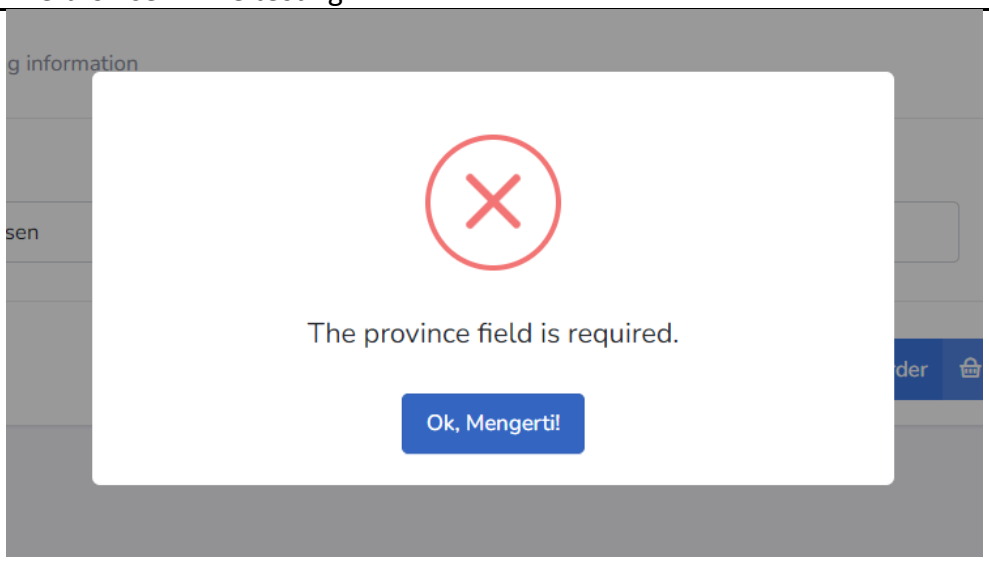
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 26

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
//Test Case 26
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[1]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii.	The Test Runner

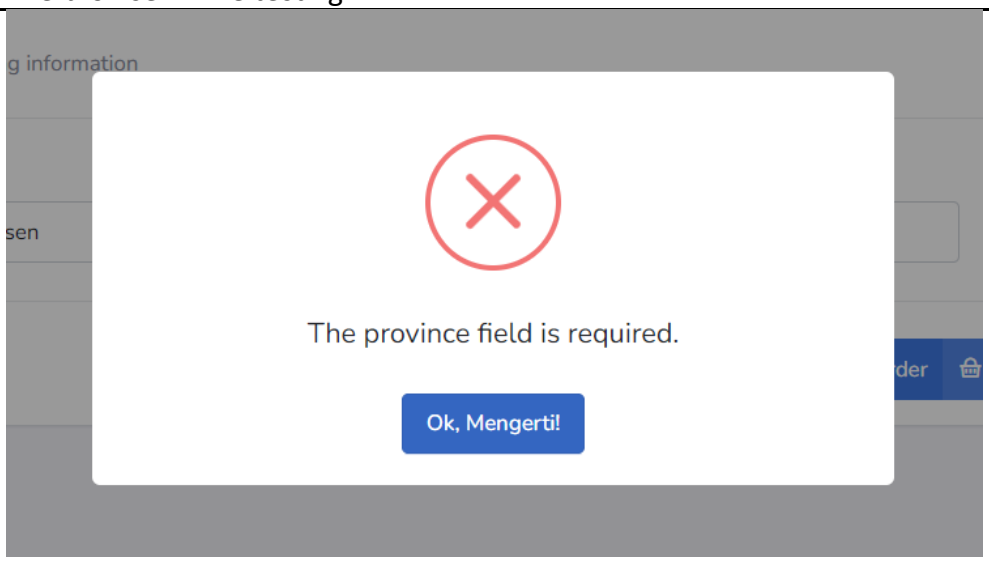
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 27

username	:	usercoba3
password	:	usercoba3
no. telp	:	1234567
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
//Test Case 27
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@Id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[1]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

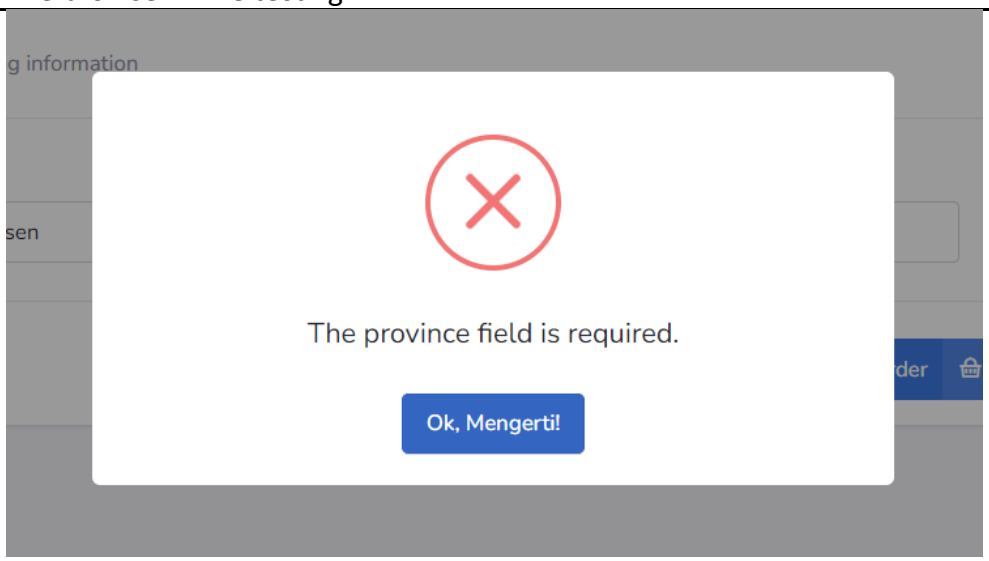
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 28

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
//Test Case 28
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

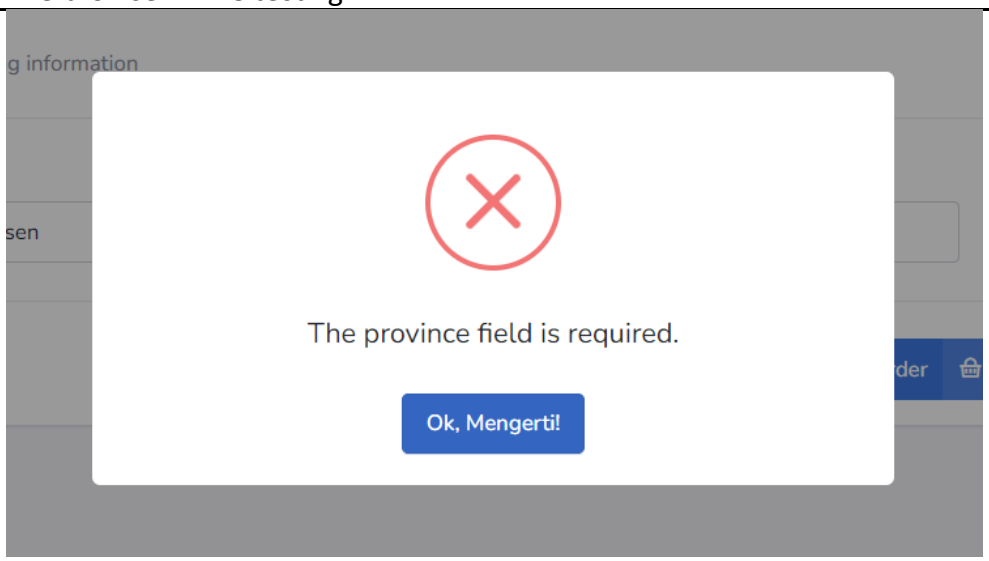
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



- Scenario 8: valid nomor telepon, invalid address, valid kode pos, valid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 29

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 8 valid nomor telepon, invalid address, valid kode pos, valid shipping method and invalid bukti pembayaran
# ==========================================================================================#

## -- Test Case 29
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@Id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

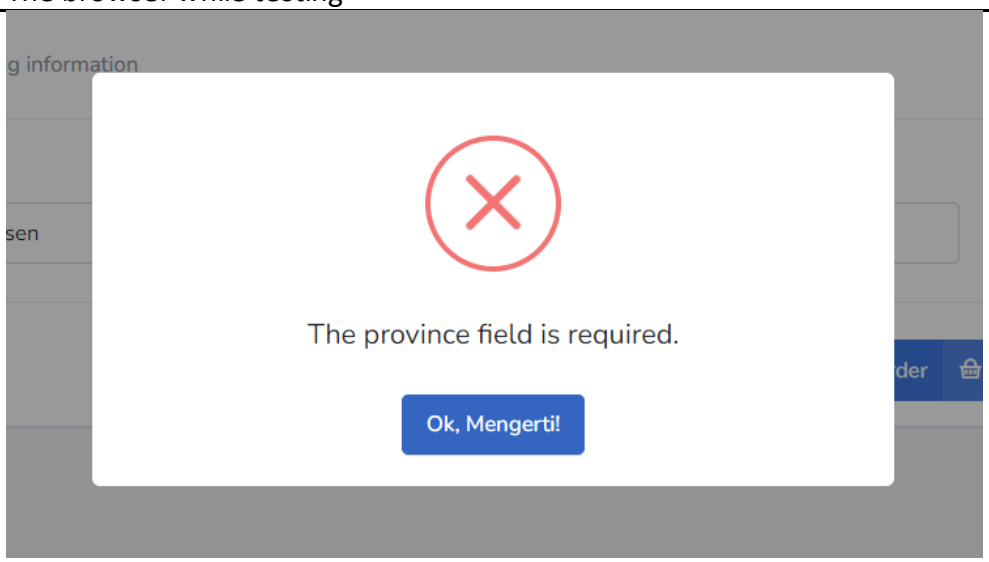
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 30

username	:	usercoba2
password	:	usercoba2
no. telp	:	123456789
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
1624 public class CheckOut{
1625     WebDriver wd;
1626     @Given("^open chrome and start application$")
1627     public void open_chrome_and_start_application() throws Throwable {
1628         System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
1629         WebDriver wd = new ChromeDriver();
1630         wd.get("http://127.0.0.1:8000/login");
1631     }
1632     @When("^I enter valid username and valid password user$")
1633     public void I_enter_valid_username_and_valid_password_user() throws Throwable {
1634         wd.findElement(By.id("username")).sendKeys("usercoba2");
1635         wd.findElement(By.id("password-input")).sendKeys("usercoba2");
1636     }
1637     @Then("^I can login successfully$")
1638     public void I_can_login_successfully() throws Throwable {
1639         wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
1640     }
1641     @When("^I click My Chart button and Lihat Keranjang button$")
1642     public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
1643         wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
1644         wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
1645     }
1646     @Then("^I click ChekOut button$")
1647     public void I_click_ChekOut_button() throws Throwable {
1648         wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
1649     }
1650     @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
1651     public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
1652         wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
1653         wd.findElement(By.xpath("//*[@id=\"pilis-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
1654         wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
1655         throw new PendingException();
1656     }
1657     @Then("^I click Continue to Shipping$")
1658     public void I_click_Continue_to_Shipping() throws Throwable {
1659         wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
1660     }
1661     @When("^I click valid Shipping Method$")
1662     public void I_click_valid_Shipping_Method() throws Throwable {
1663         wd.findElement(By.xpath("//*[@id=\"pilis-bill-address\"]/div[2]/div/div/div/div/label")).click();
1664     }
1665     @Then("^I click Continue to Payment$")
1666     public void I_click_Continue_to_Payment() throws Throwable {
1667         wd.findElement(By.xpath("//*[@id=\"pilis-bill-address\"]/div[3]/button[2]")).click();
1668     }
1669     @When("^I enter invalid bukti pembayaran$")
1670     public void I_enter_invalid_bukti_pembayaran() throws Throwable {
1671         wd.findElement(By.xpath("//*[@id=\\\"pilis-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
1672     }
1673     @Then("^I can checkout order successfully$")
1674     public void I_can_checkout_order_successfully() throws Throwable {
1675         wd.findElement(By.xpath("//*[@id=\"pilis-payment\"]/div[3]/a")).click();
1676     }
```

iii. The Test Runner

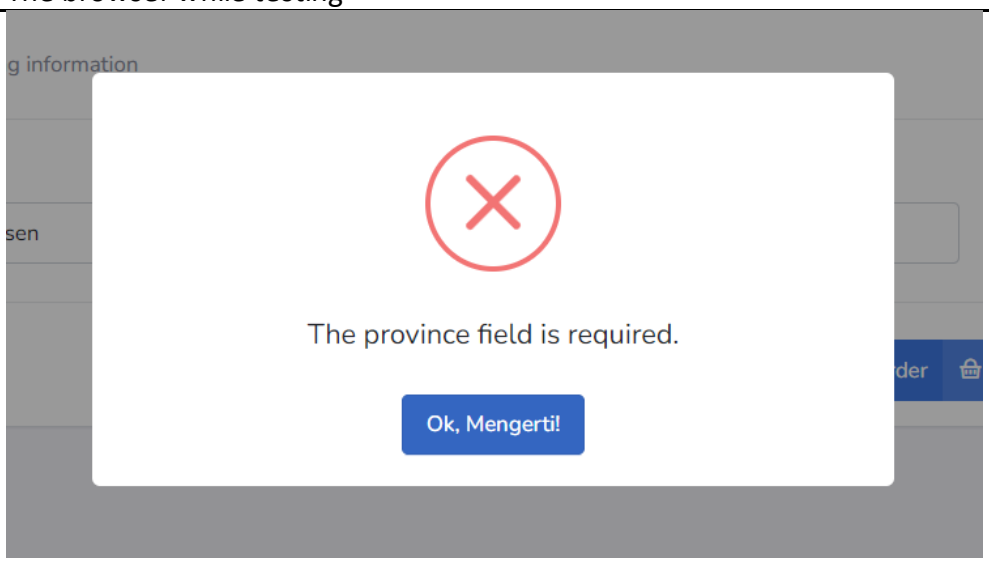
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 31

username	:	usercoba3
password	:	usercoba3
no. telp	:	123456789
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

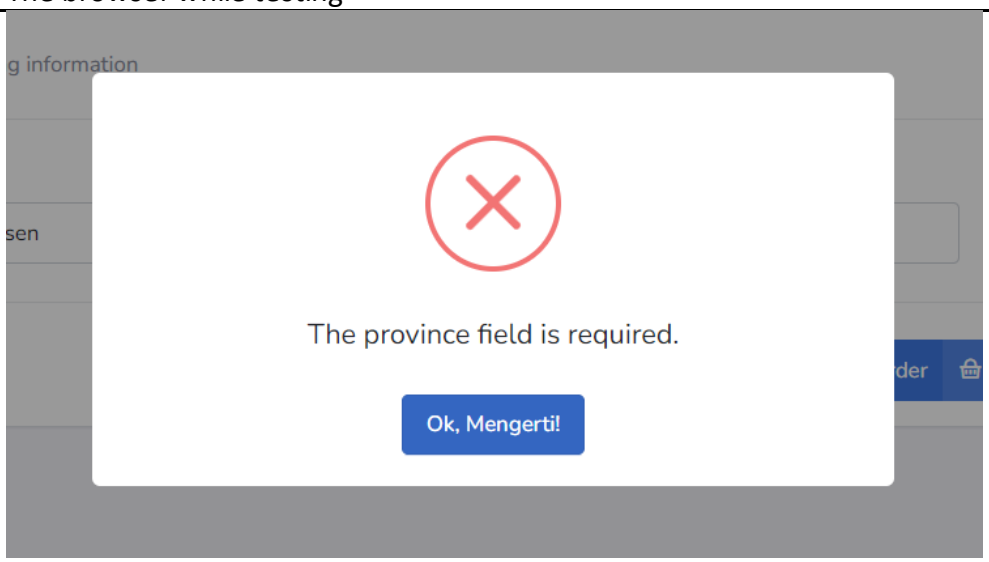
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 32

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456789
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

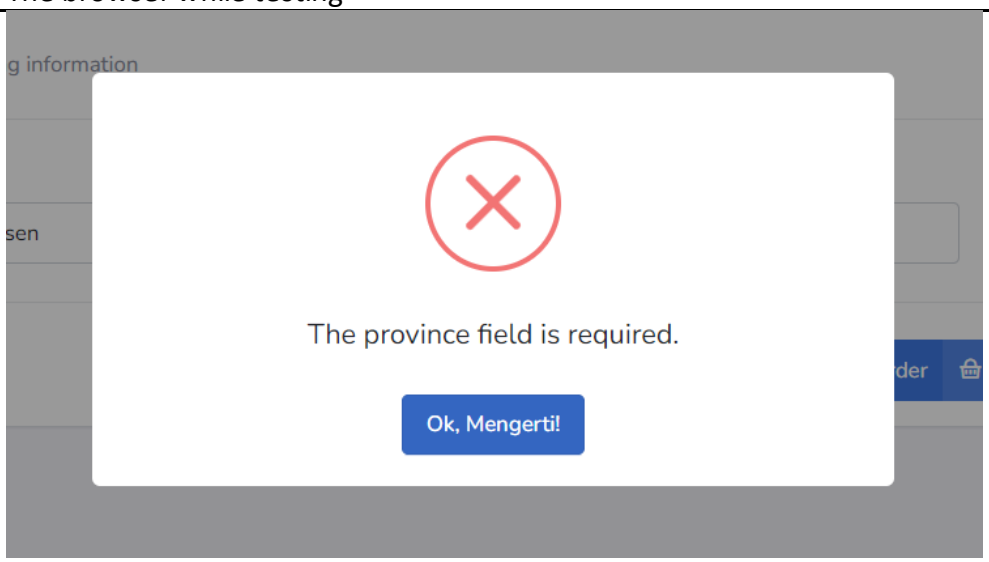
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



- Scenario 9: valid nomor telepon, invalid address, invalid kode pos, invalid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 33

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 9 valid nomor telepon, invalid address, invalid kode pos, invalid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 33
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
//Test Case 33
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii.	The Test Runner

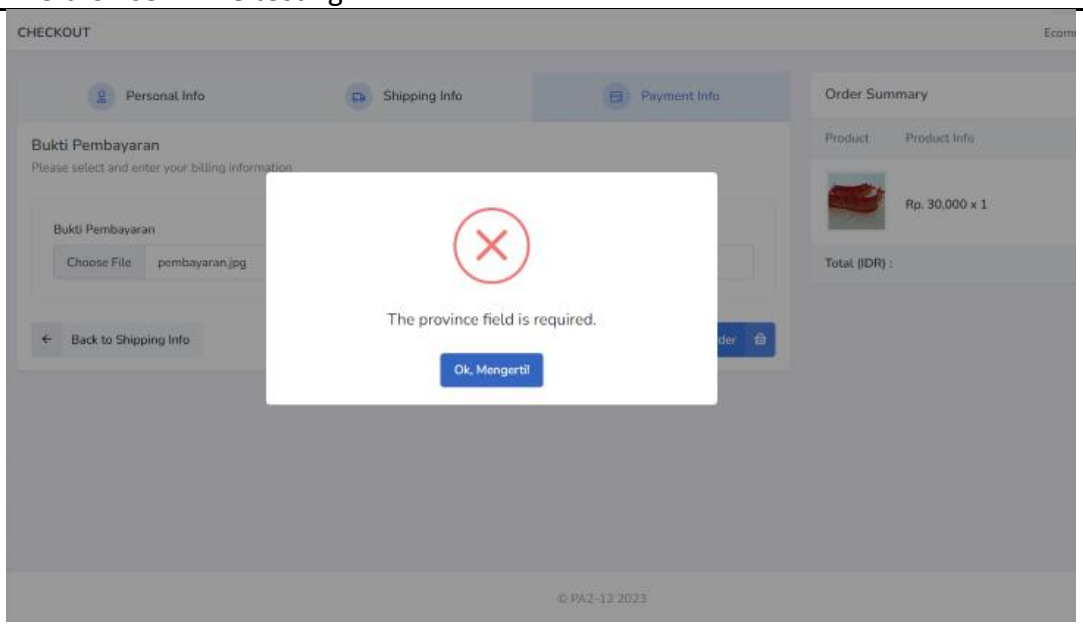
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 34

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii.	The step definition

```
//Test Case 34
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]").click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a").click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a").click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input").sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"bills-bill-info\"]/div[2]/div[3]/textarea").sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input").sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a").click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-bill-address\"]/div[3]/button[2]").click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"bills-bill-info\\\"]/div[2]/div[3]/textarea").sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-payment\"]/div[3]/a").click();
    }
}
```

iii.	The Test Runner

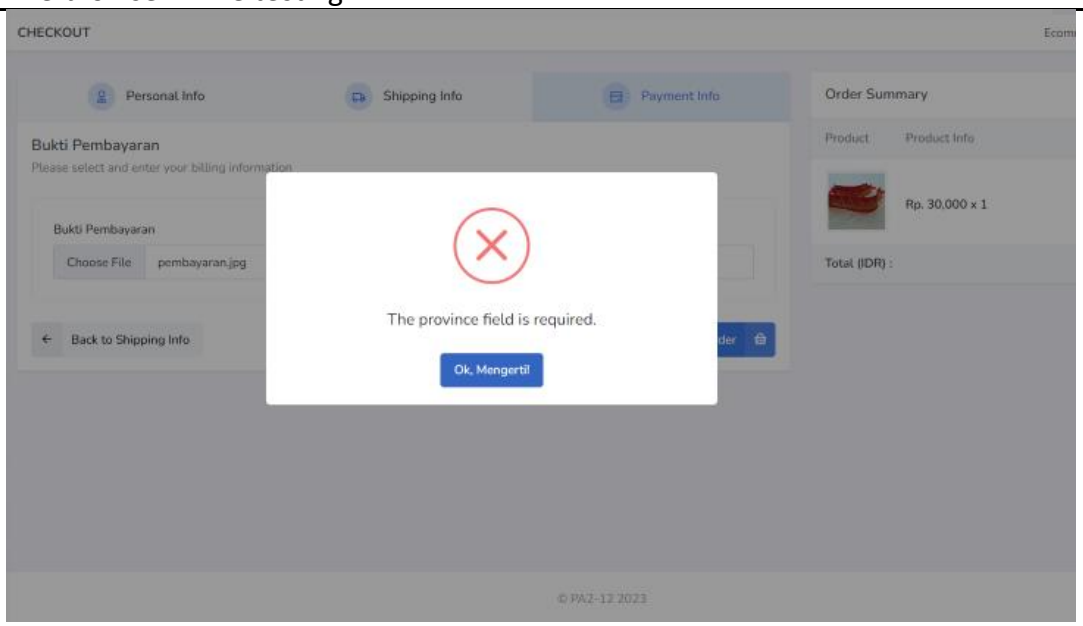
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 35

username	:	usercoba3
password	:	usercoba3
no. telp	:	1234567
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
//Test Case 35
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

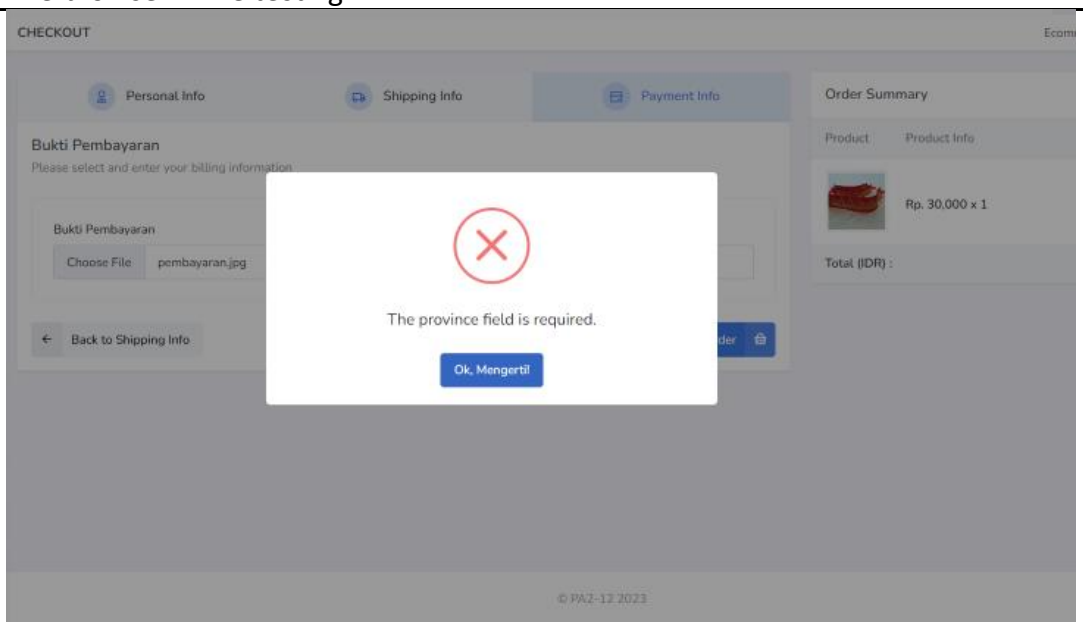
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



❖ Test Case 36

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456789
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I can checkout order successfully
```

ii. The step definition

```
//Test Case 36
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

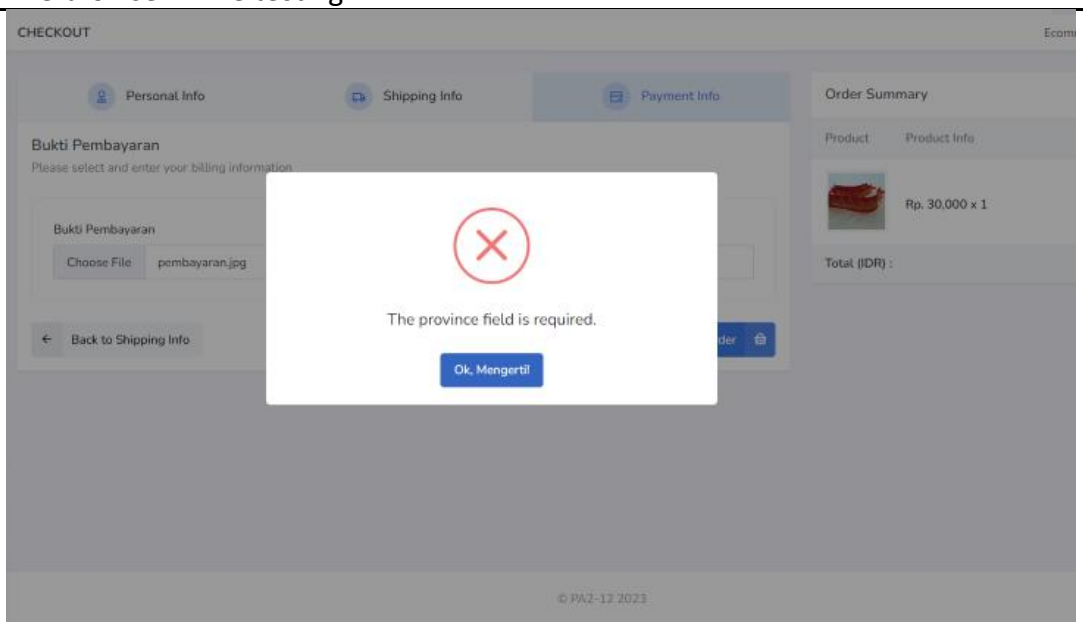
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I can checkout order successfully (0.000 s)

v. The browser while testing



- Scenario 10: valid nomor telepon, invalid address, valid kode pos, invalid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 37

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	-

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 10 valid nomor telepon, invalid address, valid kode pos, invalid shipping method and invalid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 37
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii.	The step definition

```
//Test Case 37
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]").click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"bills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"bills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-payment\"]/div[3]/a")).click();
    }
}
```

iii.	The Test Runner

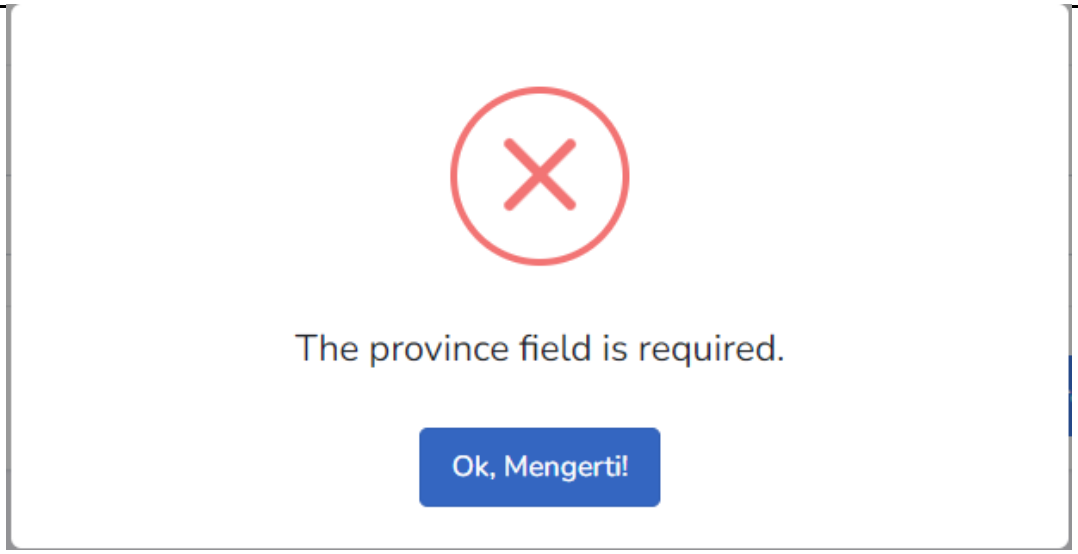
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 :
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 38

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 38
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

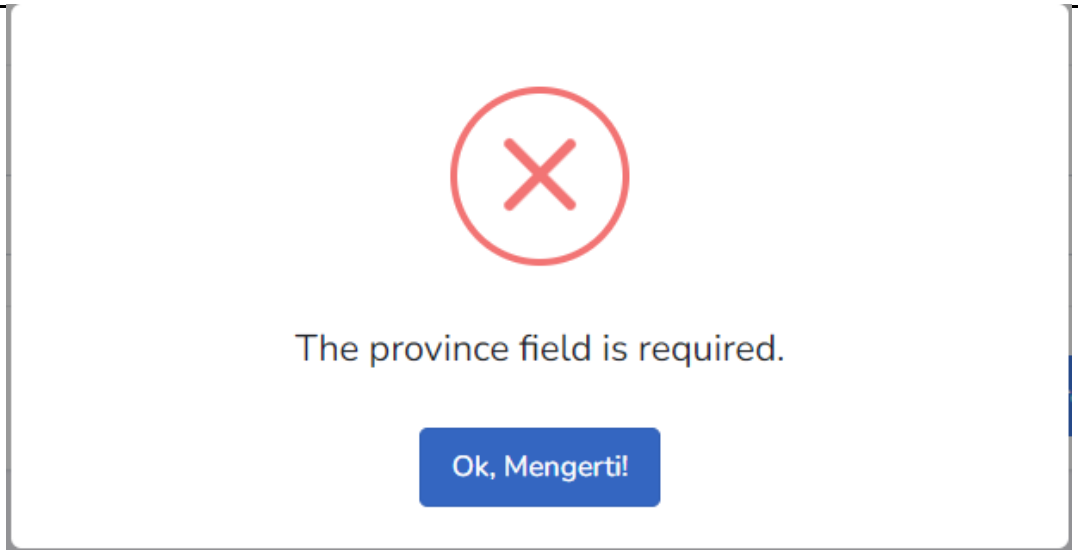
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 :
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 39

username	:	usercoba3
password	:	usercoba3
no. telp	:	1234567
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```java
//Test Case 39
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

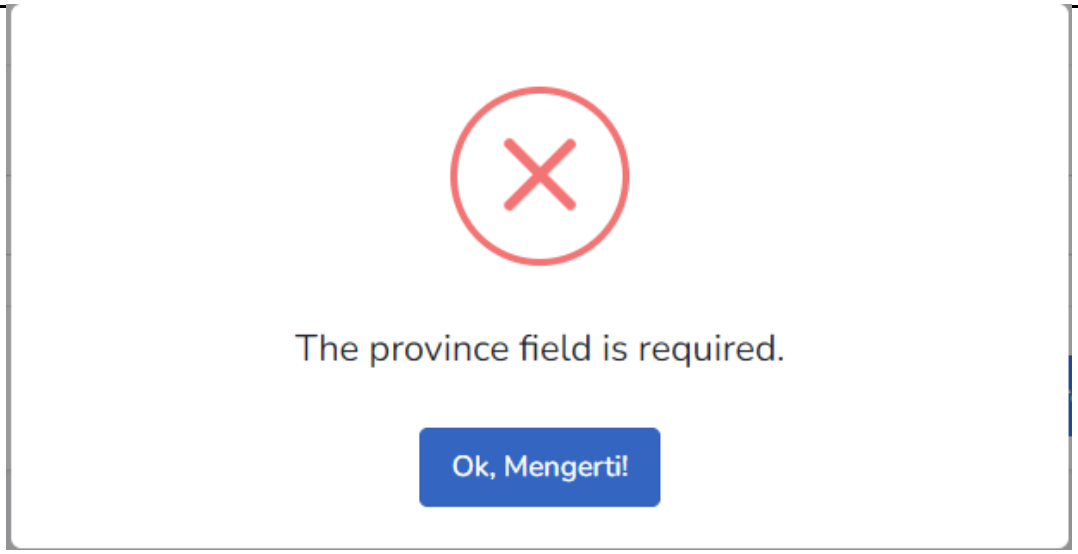
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 :
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 40

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	-

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 40
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I can checkout order successfully$")
    public void I_can_checkout_order_successfully() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

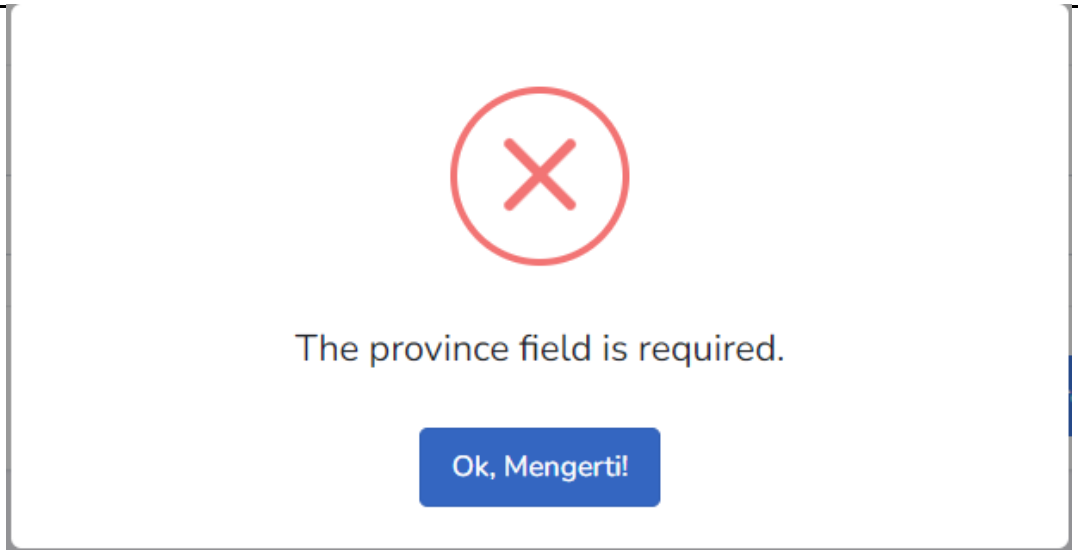
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, valid kode pos (0.000 :
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 11: valid nomor telepon, invalid address, invalid kode pos, invalid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 41

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	-

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 11 valid nomor telepon, invalid address, invalid kode pos, invalid shipping method and invalid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 41
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii.	The step definition

```
//Test Case 41
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii.	The Test Runner

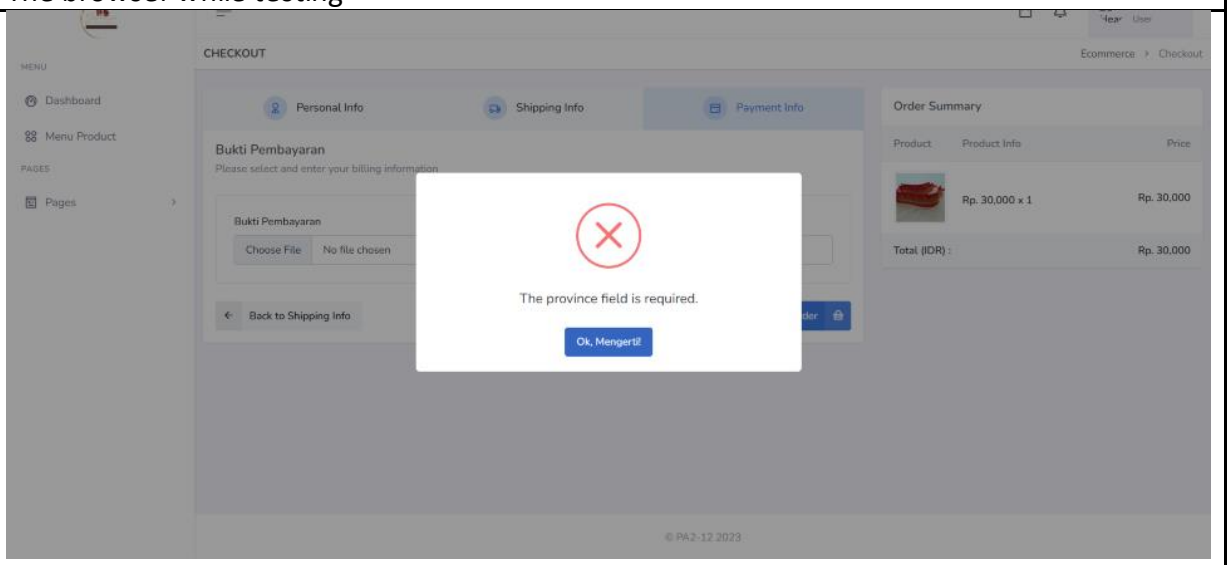
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.001 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 42

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 42
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

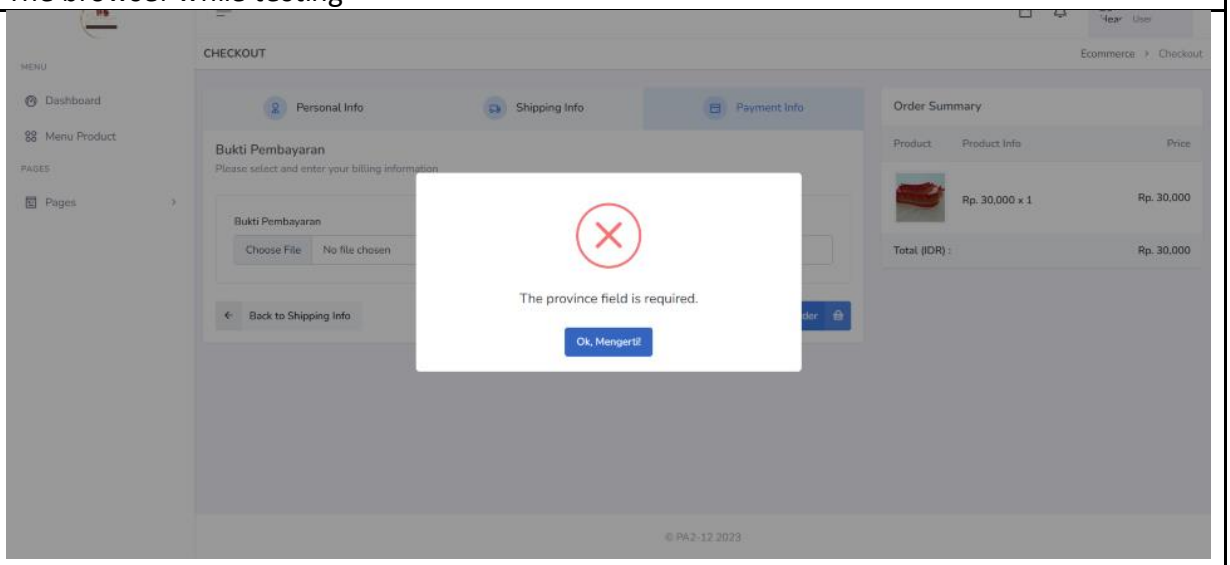
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.001 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 43

username	:	usercoba3
password	:	usercoba3
no. telp	:	1234567
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 43
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

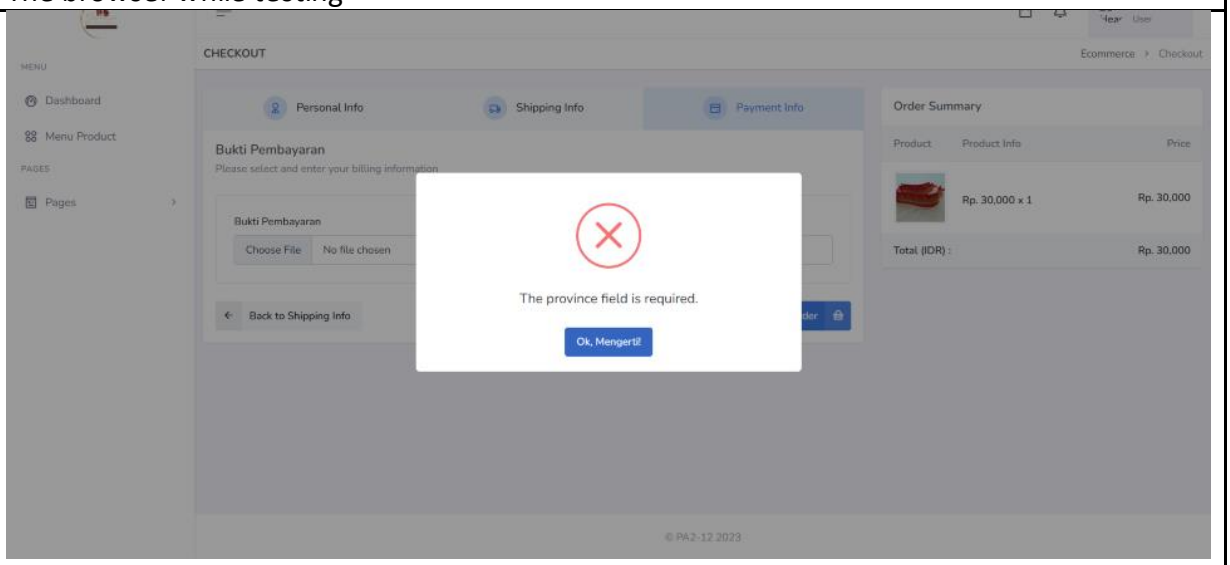
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.001 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 44

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 44
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

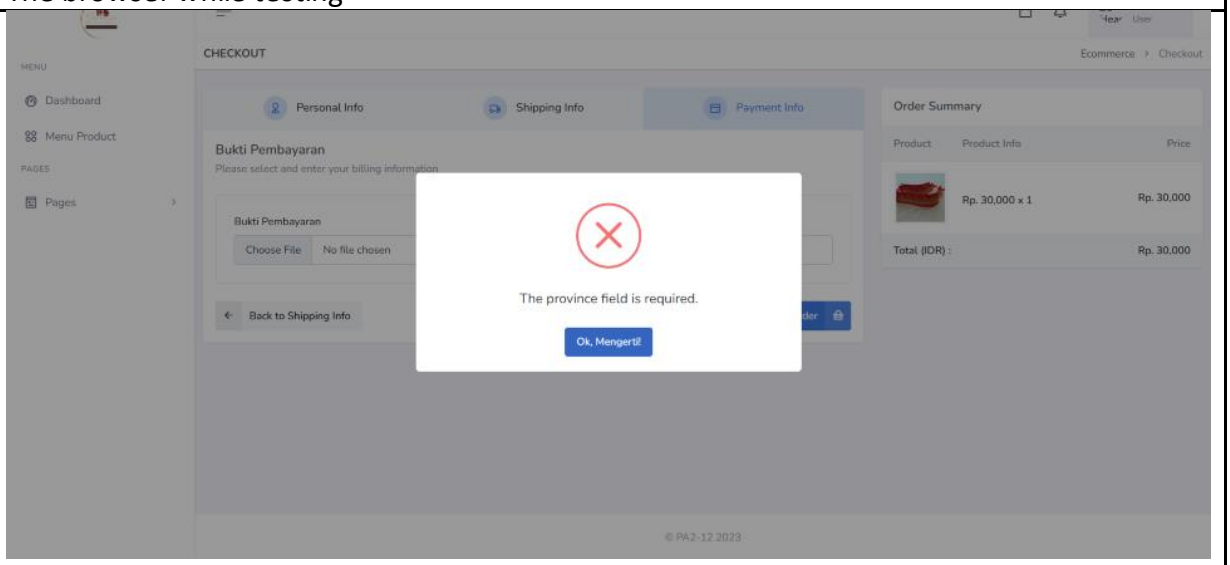
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.001 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 12: valid nomor telepon, valid address, invalid kode pos, invalid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 45

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 12 valid nomor telepon, valid address, invalid kode pos, invalid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 45
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 45
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

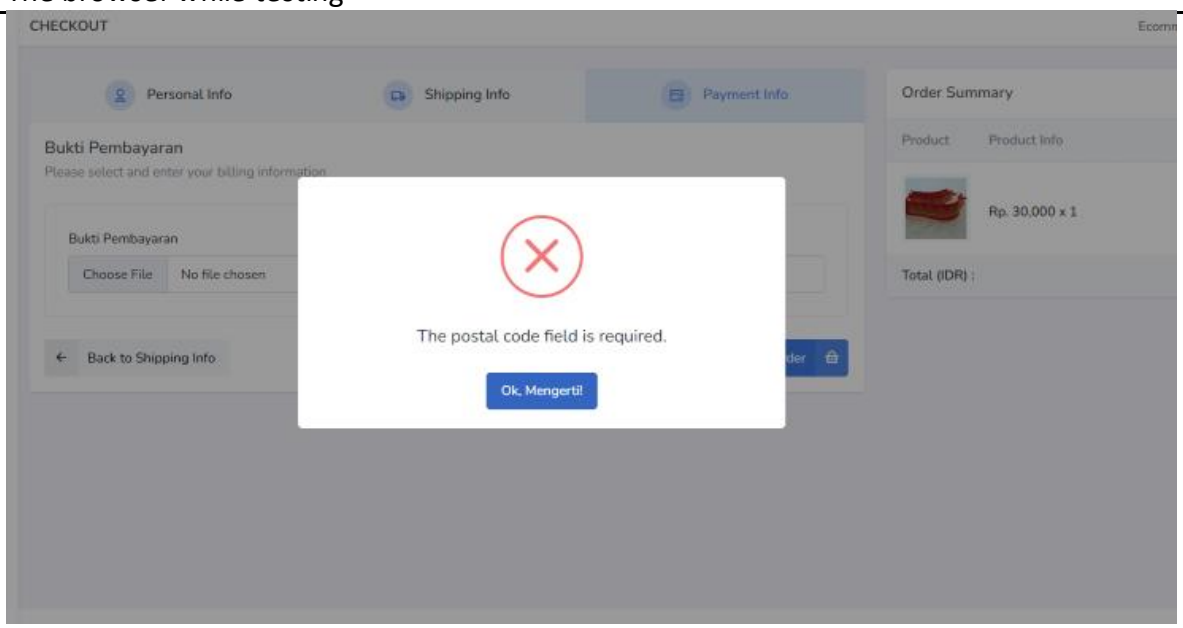
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 46

username	:	usercoba2
password	:	usercoba2
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 46
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

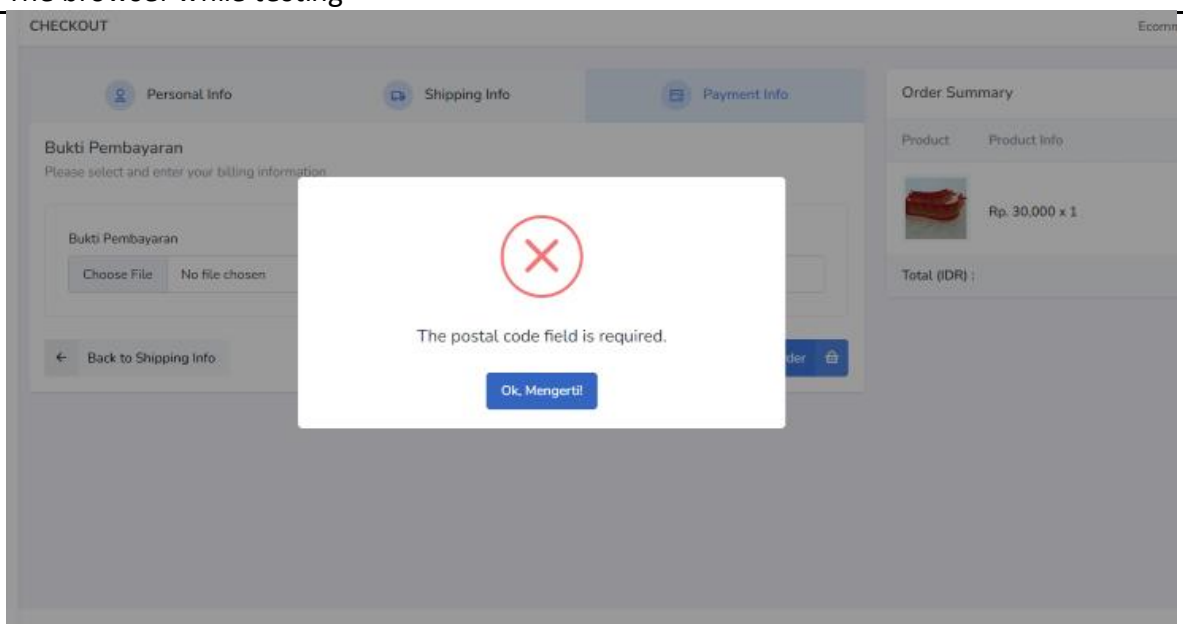
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 47

username	:	usercoba3
password	:	usercoba3
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 47
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

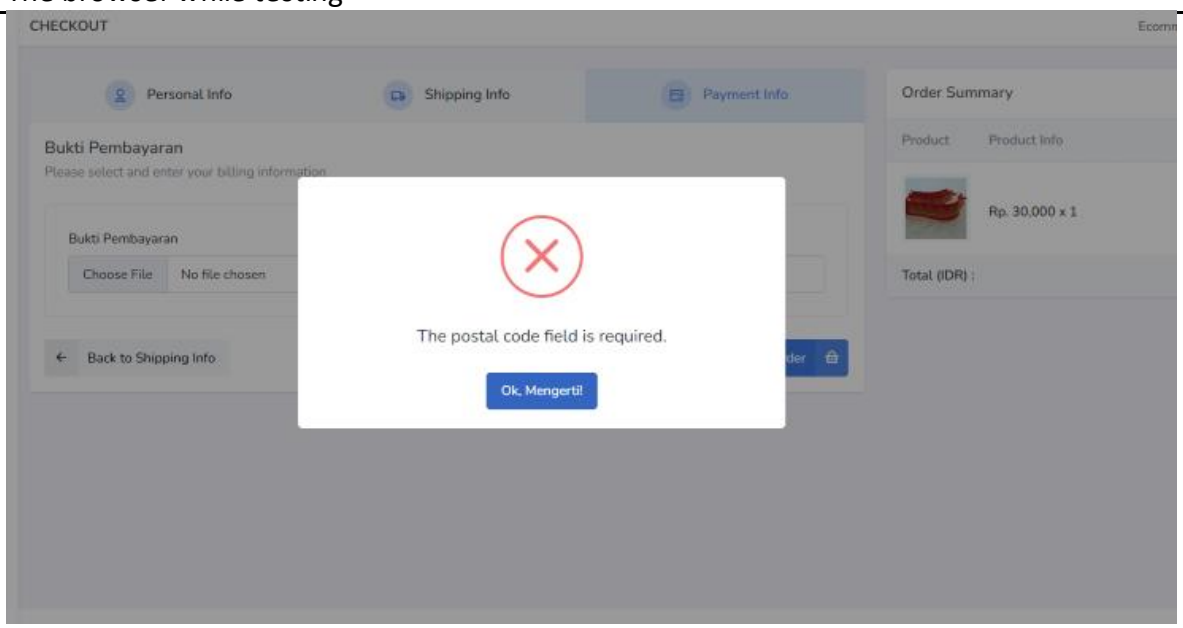
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 48

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 48
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

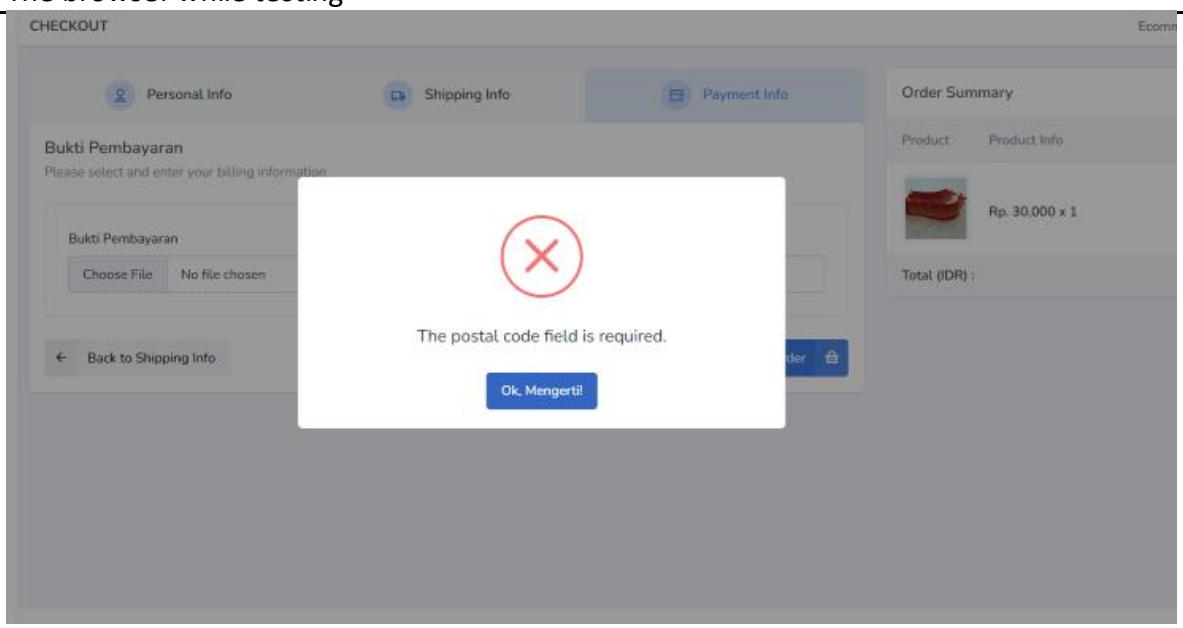
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 13: valid nomor telepon, valid address, invalid kode pos, valid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 49

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	-

i.	The test frame for every test case

```
# ==========================================================================================
# Scenario 13 valid nomor telepon, valid address, invalid kode pos, valid shipping method and invalid bukti pembayaran
# ==========================================================================================

## -- Test Case 49
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

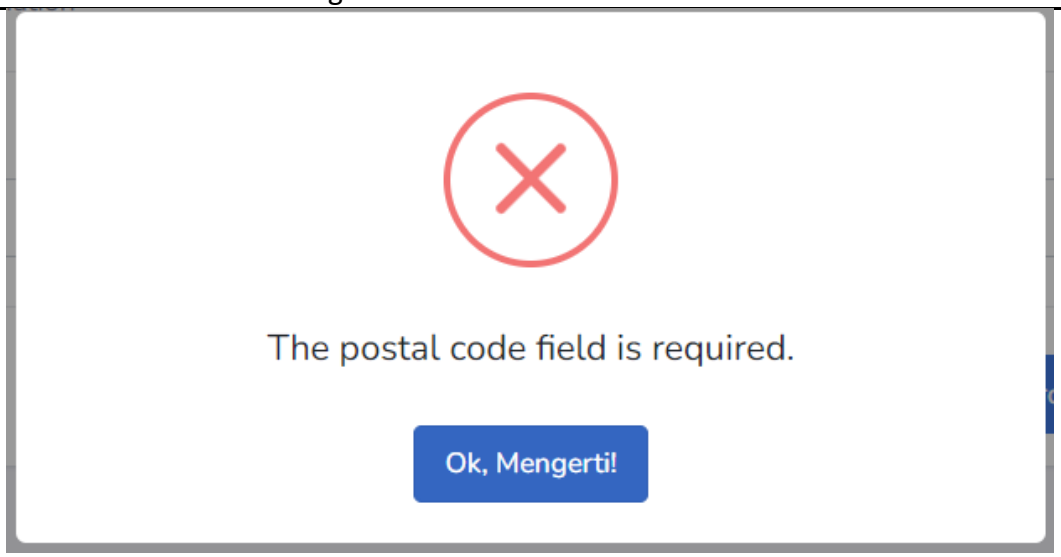
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 50

username	:	usercoba2
password	:	usercoba2
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

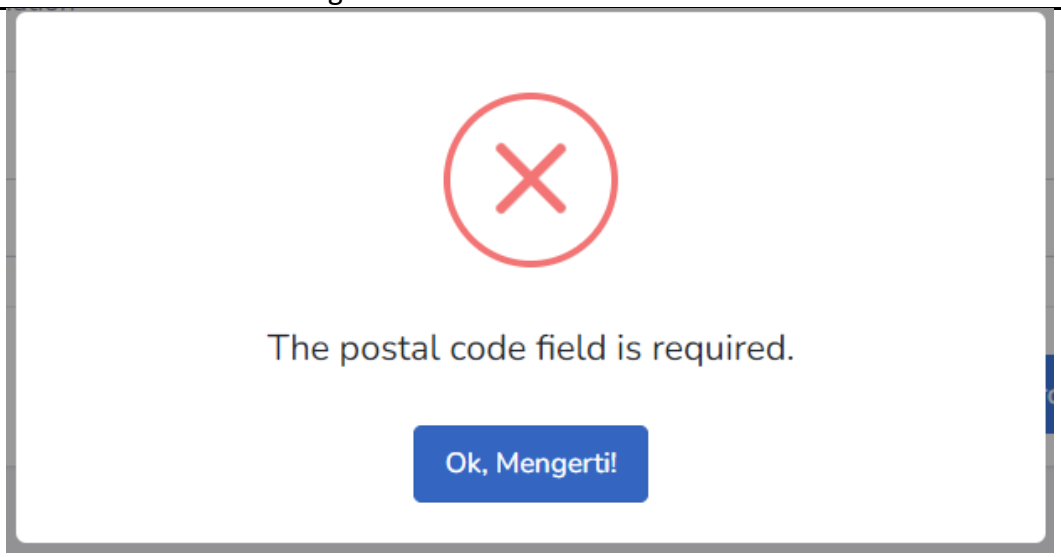
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 51

username	:	usercoba3
password	:	usercoba3
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	-

i.	The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@Id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

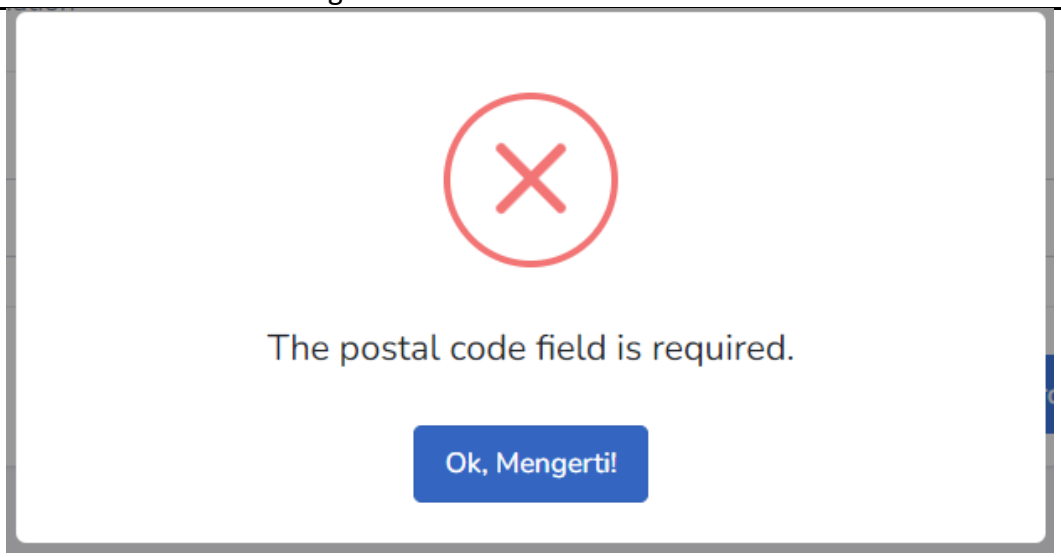
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 52

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

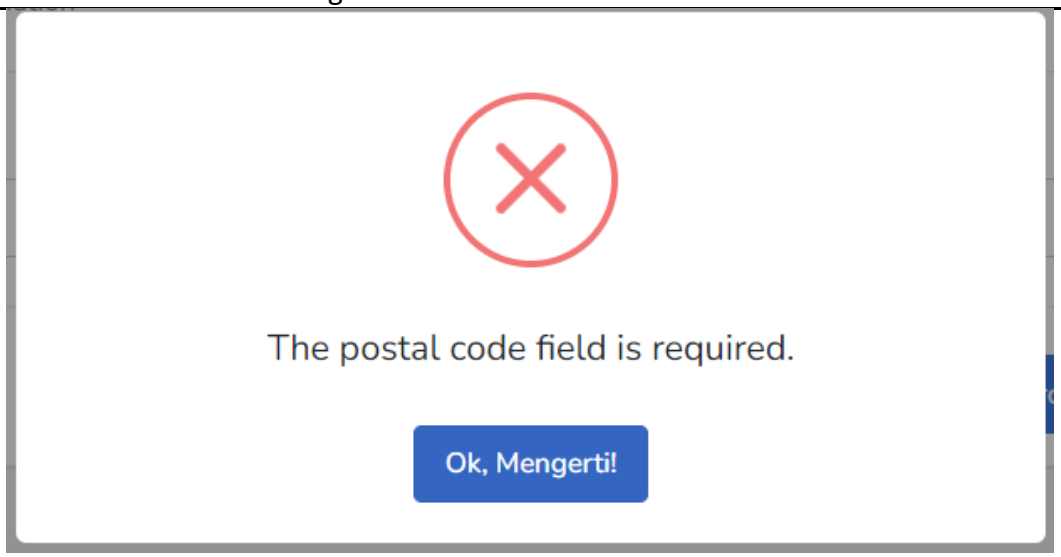
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 14: valid nomor telepon, valid address, invalid kode pos, invalid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 53

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	-

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 14 valid nomor telepon, valid address, invalid kode pos, invalid shipping method and invalid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 53
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii.	The step definition

```
//Test Case 53
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii.	The Test Runner

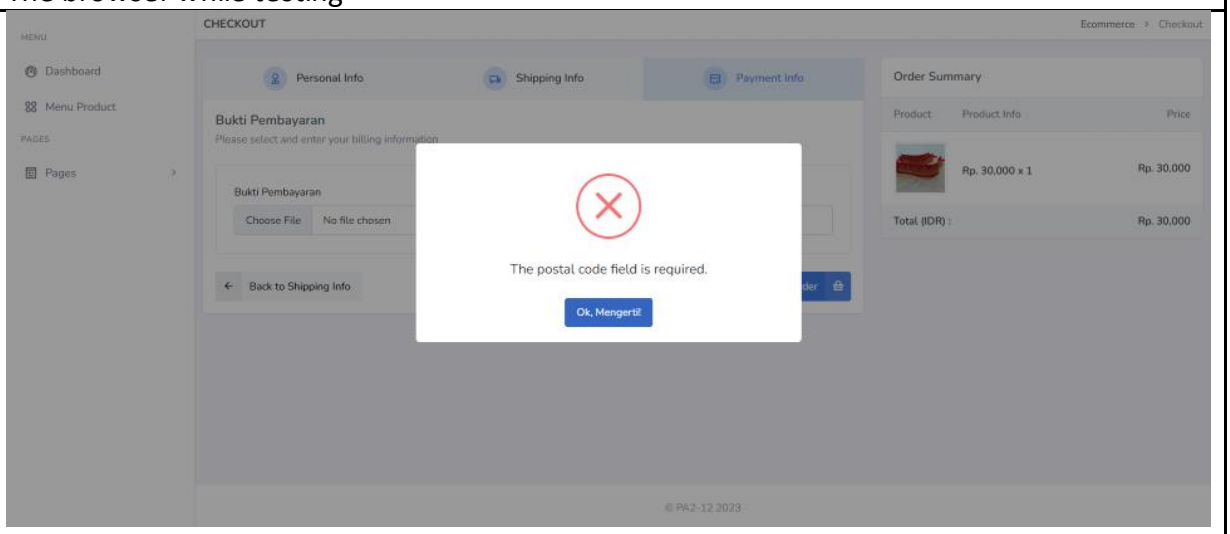
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 54

username	:	usercoba2
password	:	usercoba2
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 54
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[1]/div[2]/div[1]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[1]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

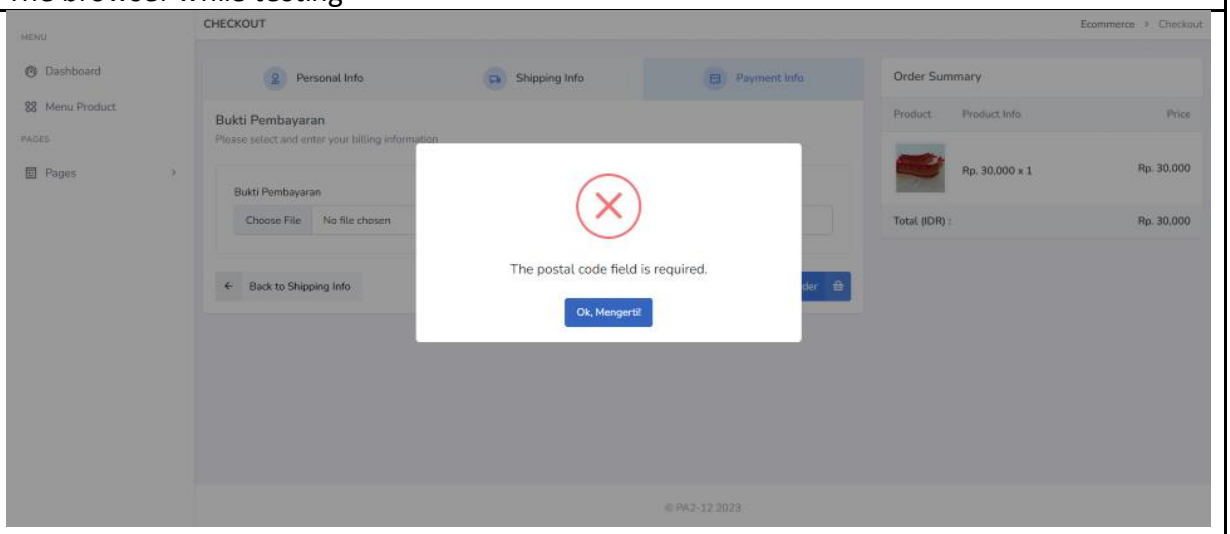
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 55

username	:	usercoba3
password	:	usercoba3
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 55
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

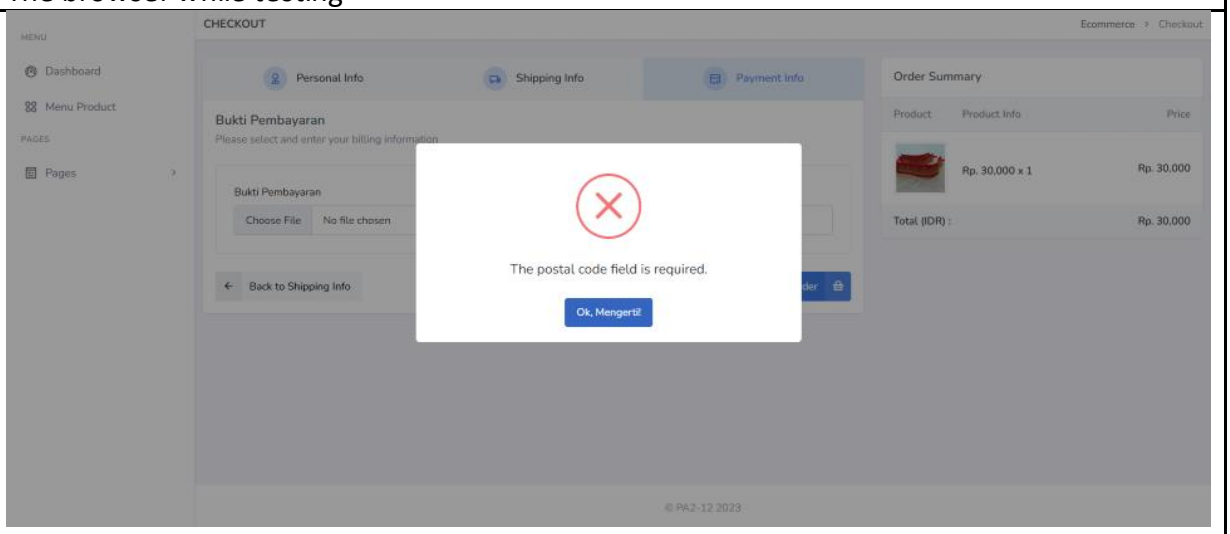
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 56

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456789
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```java
//Test Case 56
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

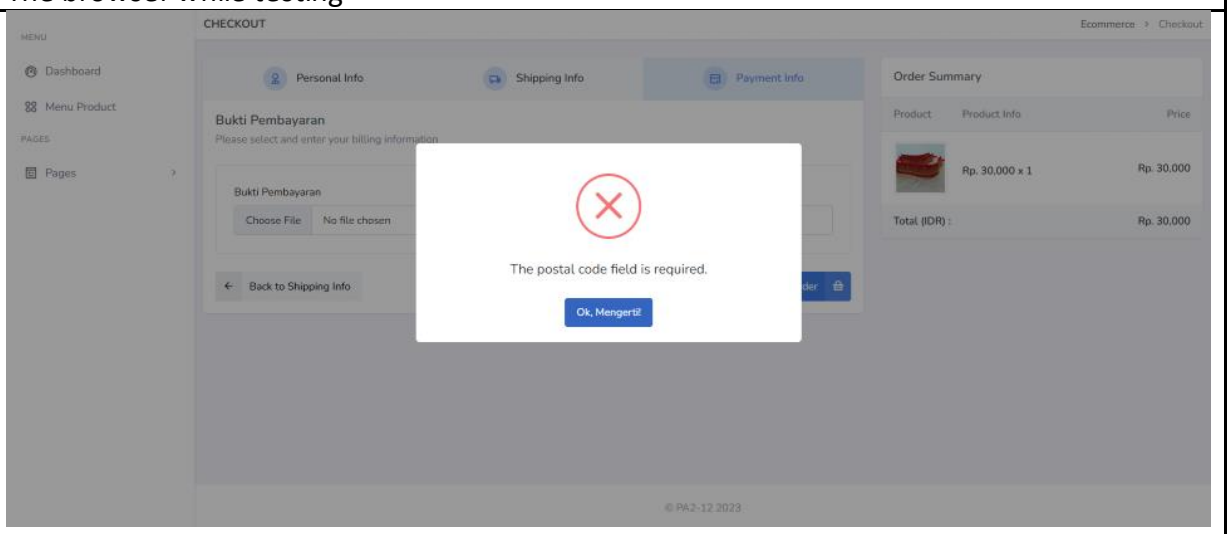
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 15: valid nomor telepon, valid address, valid kode pos, invalid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 57

username	:	usercoba1
password	:	usercoba1
no. telp	:	123456789
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
# ==========================================================================================================#
# Scenario 15 valid nomor telepon, valid address, valid kode pos, invalid shipping method and invalid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 57
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 57
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456789");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

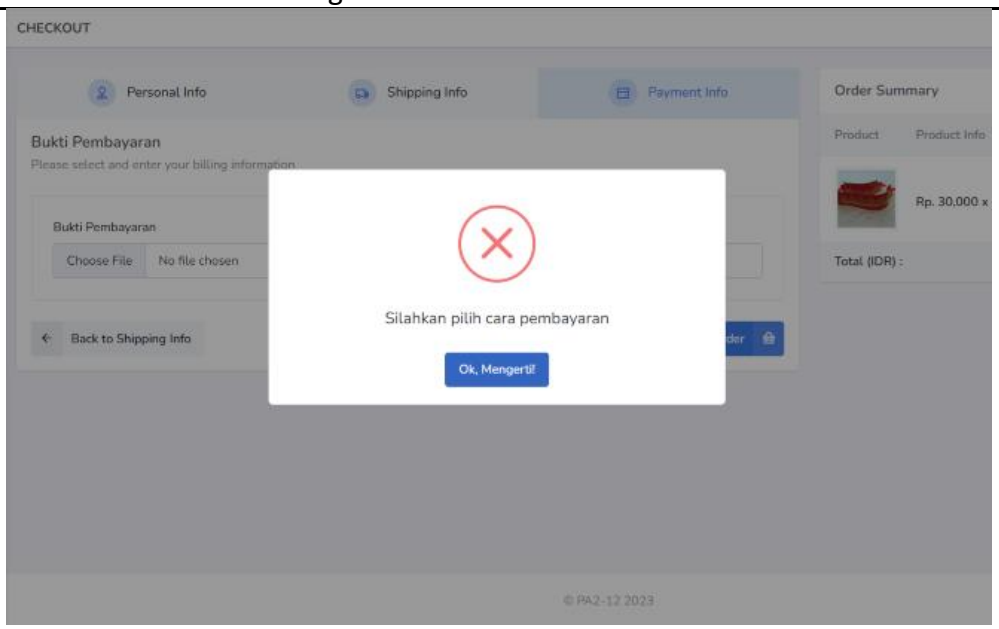
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 58

username	:	usercoba2
password	:	usercoba2
no. telp	:	12345678
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 58
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("12345678");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

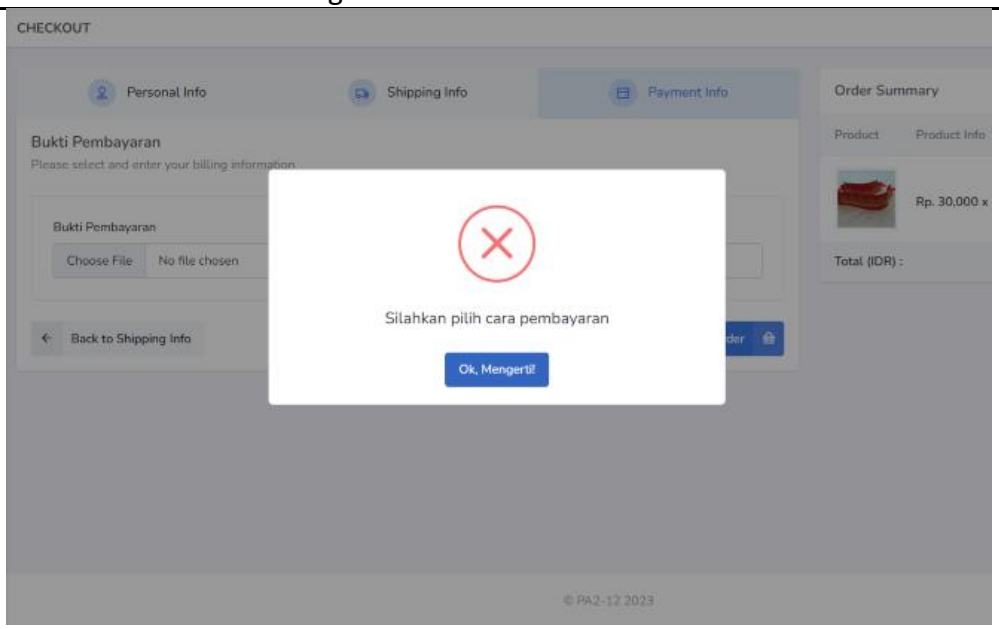
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 59

username	:	usercoba3
password	:	usercoba3
no. telp	:	1234567
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 59
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("1234567");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
//Test Case 60
```

iii. The Test Runner

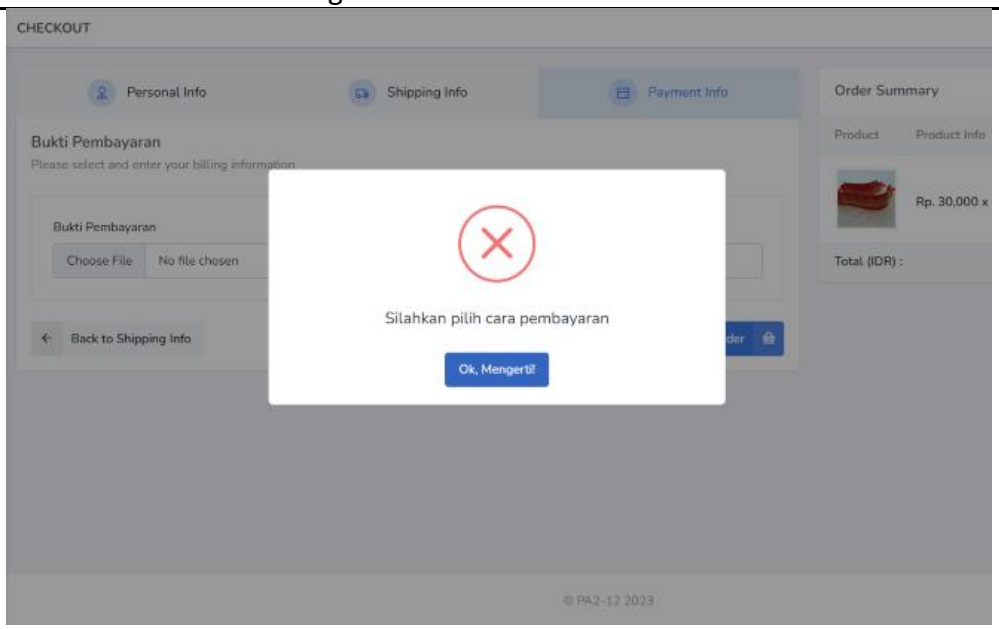
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 60

username	:	usercoba4
password	:	usercoba4
no. telp	:	123456
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter valid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```java
//Test Case 60
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter valid nomor telepon, valid address, valid kode pos$")
    public void I_enter_valid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("123456");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

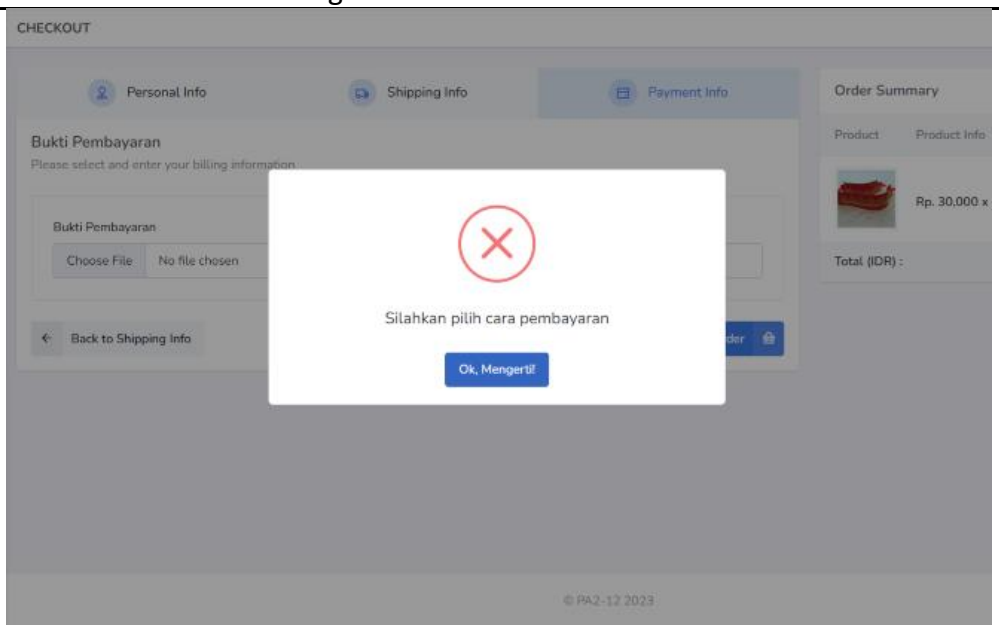
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter valid nomor telepon, valid address, valid kode pos (0.000
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 16: invalid nomor telepon, valid address, valid kode pos, valid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 61

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 16 invalid nomor telepon, valid address, valid kode pos, valid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 61
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

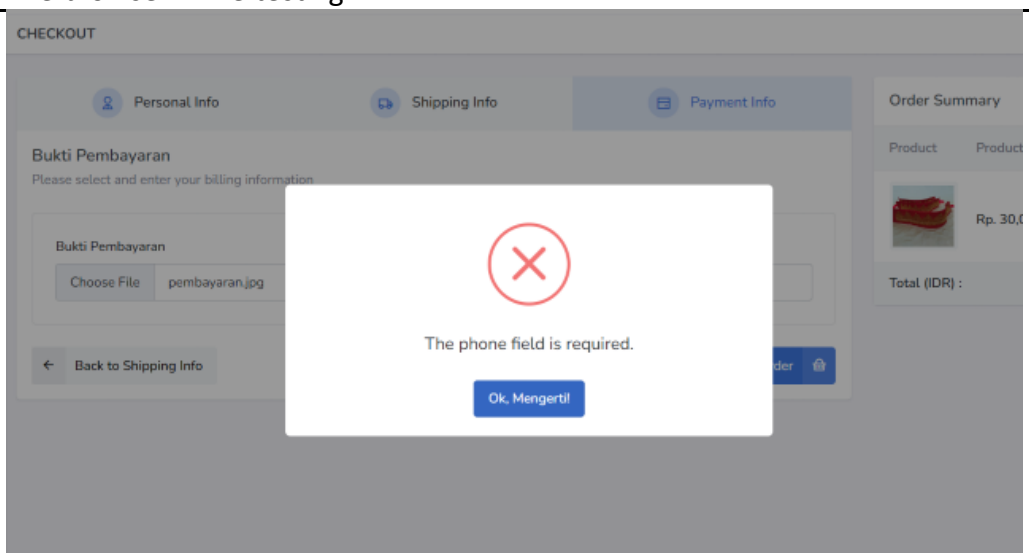
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.00
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 62

username	:	usercoba2
password	:	usercoba2
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

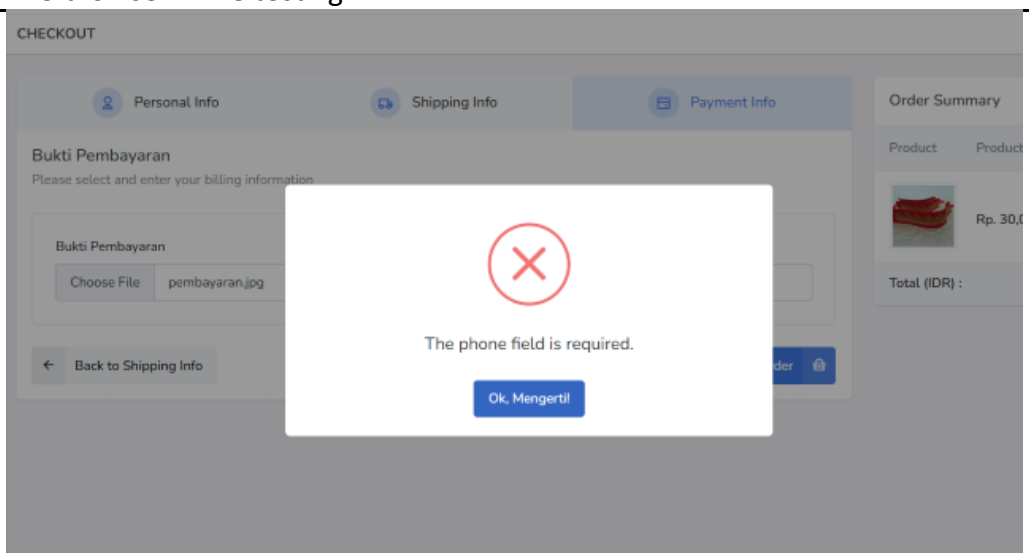
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.00
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 63

username	:	usercoba3
password	:	usercoba3
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

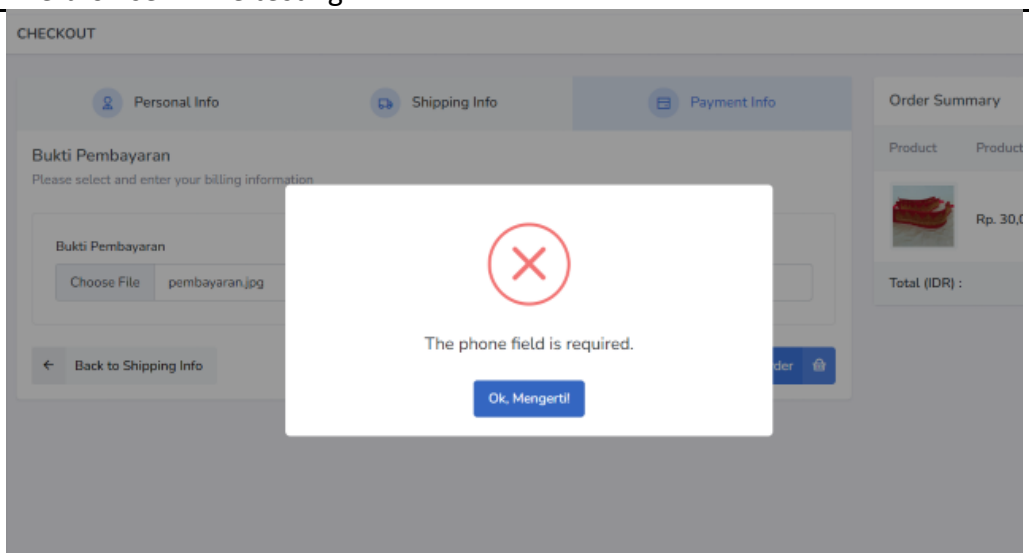
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.00
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 64

username	:	usercoba4
password	:	usercoba4
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

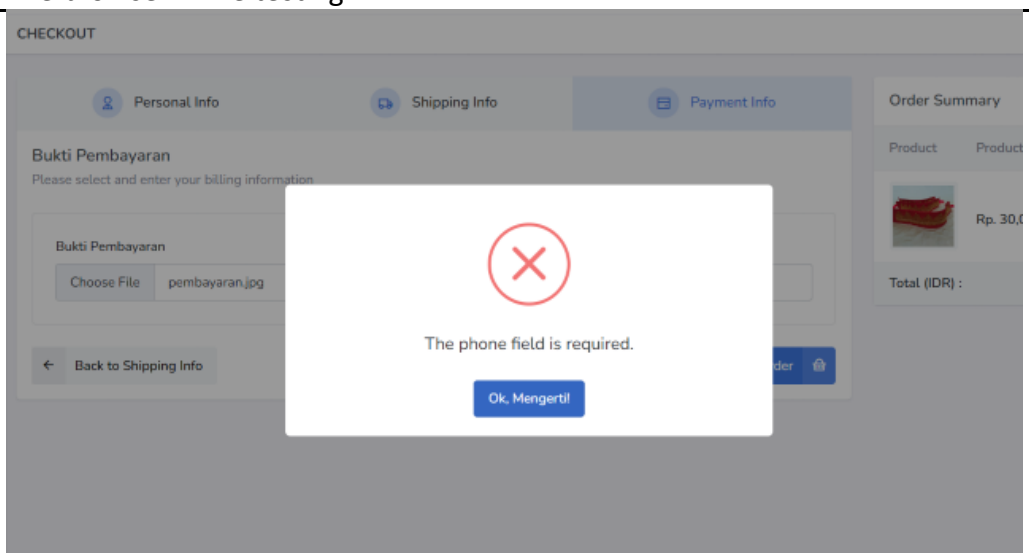
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.00
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 17: invalid nomor telepon, invalid address, valid kode pos, valid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 65

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 17 invalid nomor telepon, invalid address, valid kode pos, valid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 65
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

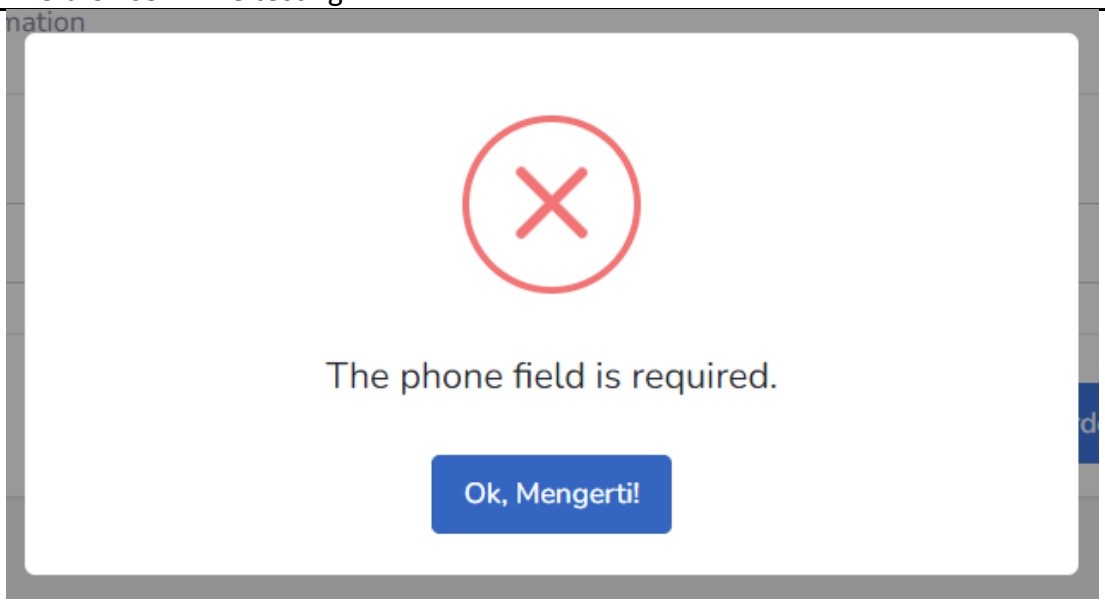
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 66

username	:	usercoba2
password	:	usercoba1
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

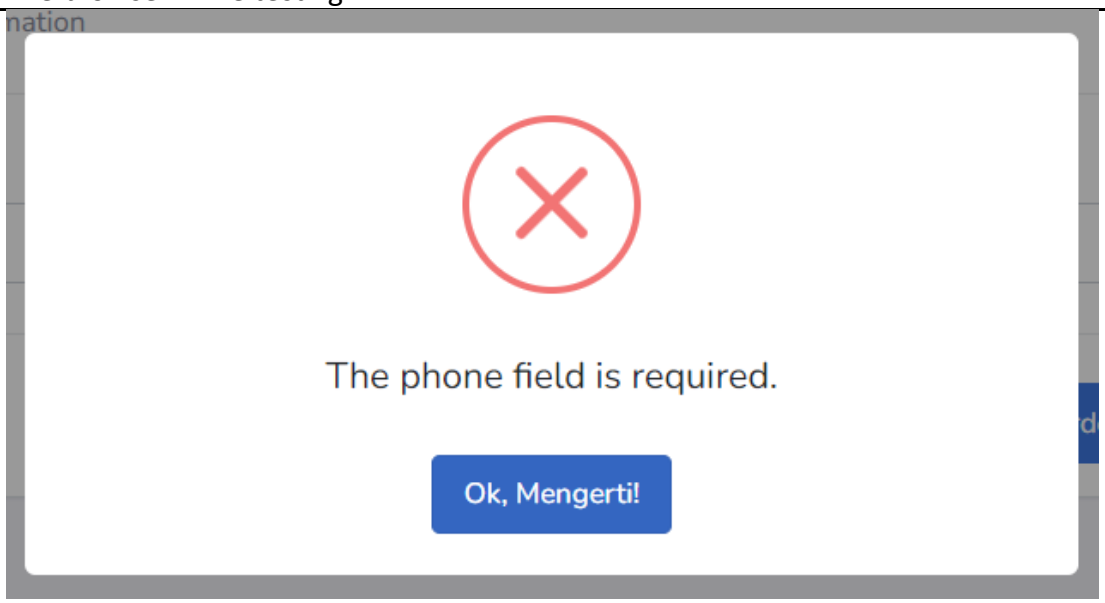
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 67

username	:	usercoba3
password	:	usercoba1
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

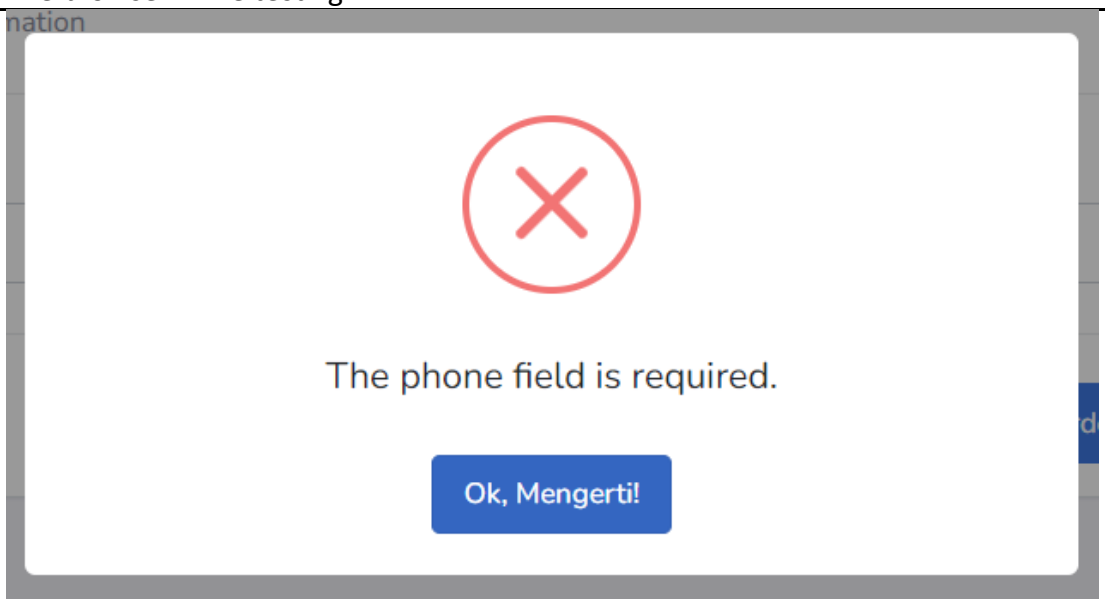
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 68

username	:	usercoba4
password	:	usercoba1
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
3677 public class CheckOut{
3678     WebDriver wd;
3679     @Given("^open chrome and start application$")
3680     public void open_chrome_and_start_application() throws Throwable {
3681         System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
3682         WebDriver wd = new ChromeDriver();
3683         wd.get("http://127.0.0.1:8000/login");
3684     }
3685     @When("^I enter valid username and valid password user$")
3686     public void I_enter_valid_username_and_valid_password_user() throws Throwable {
3687         wd.findElement(By.id("username")).sendKeys("usercoba4");
3688         wd.findElement(By.id("password-input")).sendKeys("usercoba4");
3689     }
3690     @Then("^I can login successfully$")
3691     public void I_can_login_successfully() throws Throwable {
3692         wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
3693     }
3694     @When("^I click My Chart button and Lihat Keranjang button$")
3695     public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
3696         wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
3697         wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
3698     }
3699     @Then("^I click ChekOut button$")
3700     public void I_click_ChekOut_button() throws Throwable {
3701         wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
3702     }
3703     @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
3704     public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
3705         wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
3706         wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
3707         wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
3708         throw new PendingException();
3709     }
3710     @Then("^I click Continue to Shipping$")
3711     public void I_click_Continue_to_Shipping() throws Throwable {
3712         wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
3713     }
3714     @When("^I click valid Shipping Method$")
3715     public void I_click_valid_Shipping_Method() throws Throwable {
3716         wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
3717     }
3718     @Then("^I click Continue to Payment$")
3719     public void I_click_Continue_to_Payment() throws Throwable {
3720         wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
3721     }
3722     @When("^I enter valid bukti pembayaran$")
3723     public void I_enter_valid_bukti_pembayaran() throws Throwable {
3724         wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
3725     }
3726     @Then("^I cannot checkout order$")
3727     public void I_cannot_checkout_order() throws Throwable {
3728         wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
3729     }
3730 }
```

iii. The Test Runner

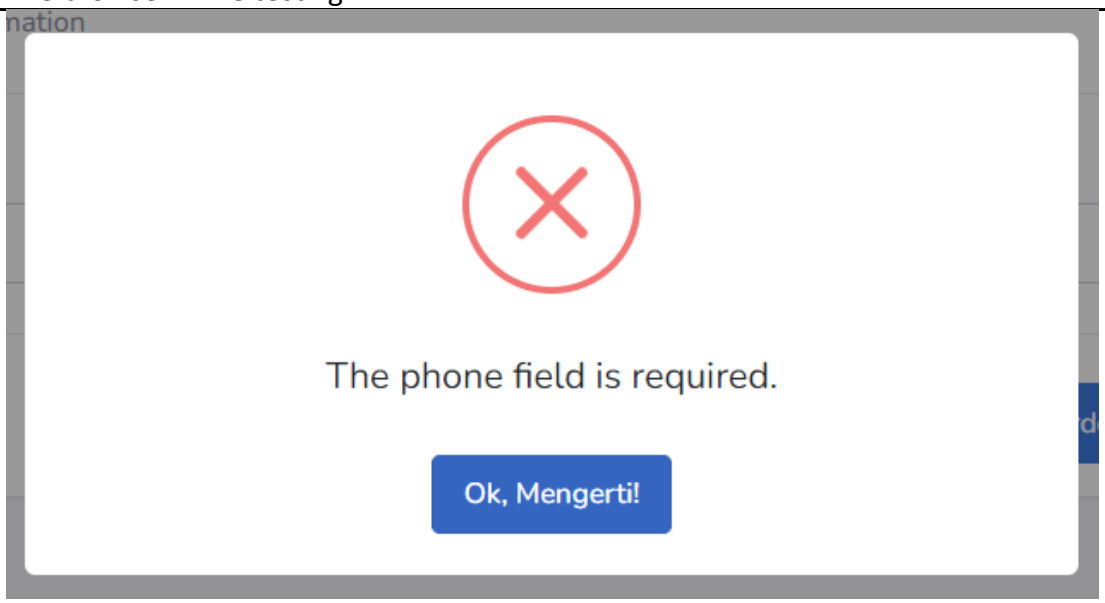
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 18: invalid nomor telepon, valid address, invalid kode pos, valid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 69

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================================#
# Scenario 18 invalid nomor telepon, valid address, invalid kode pos, valid shipping method and valid bukti pembayaran
# ==========================================================================================================================#

## -- Test Case 69
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii.	The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii.	The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing

The phone field is required.

Ok, Mengerti!

❖ Test Case 70

username	:	usercoba2
password	:	usercoba2
no. telp	:	-
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing

The phone field is required.

Ok, Mengerti!

❖ Test Case 71

username	:	usercoba3
password	:	usercoba3
no. telp	:	-
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]").click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a").click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a").).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input").).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"bills-bill-info\"]/div[2]/div[3]/textarea").).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input").).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a").).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-bill-address\"]/div[2]/div/div/div/div/label").).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-bill-address\"]/div[3]/button[2]").).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"bills-bill-info\\\"]/div[2]/div[3]/textarea").).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"bills-payment\"]/div[3]/a").).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing

The phone field is required.

Ok, Mengerti!

❖ Test Case 72

username	:	usercoba4
password	:	usercoba4
no. telp	:	-
address	:	Laguboti
kode pos	:	-
shipping method	:	Dana
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing

The phone field is required.

Ok, Mengerti!

- Scenario 19: invalid nomor telepon, valid address, valid kode pos, invalid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 73

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
# ==========================================================================================================#
# Scenario 19 invalid nomor telepon, valid address, valid kode pos, invalid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 73
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 73
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@Id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@Id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing

The phone field is required.

Ok, Mengerti!

❖ Test Case 74

username	:	usercoba2
password	:	usercoba2
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 74
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing

The phone field is required.

Ok, Mengerti!

❖ Test Case 75

username	:	usercoba3
password	:	usercoba3
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 75
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing

The phone field is required.

Ok, Mengerti!

❖ Test Case 76

username	:	usercoba4
password	:	usercoba4
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 76
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing

The phone field is required.

Ok, Mengerti!

- Scenario 20: invalid nomor telepon, valid address, valid kode pos, valid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 77

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
# ==========================================================================================================#
# Scenario 20 invalid nomor telepon, valid address, valid kode pos, valid shipping method and invalid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 77
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

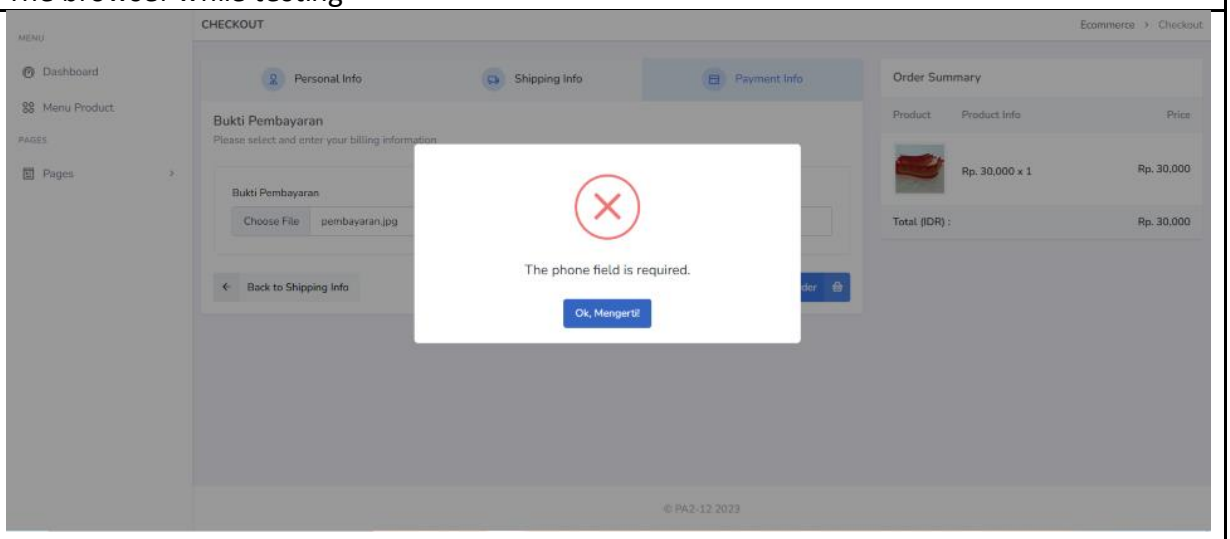
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 78

username	:	usercoba2
password	:	usercoba2
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

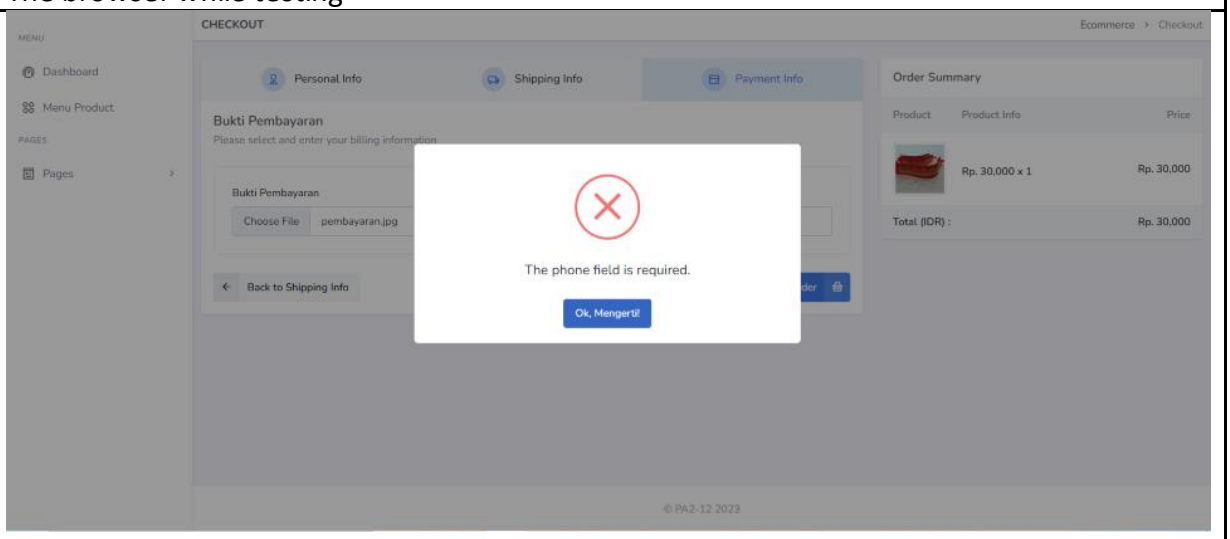
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 79

username	:	usercoba3
password	:	usercoba3
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

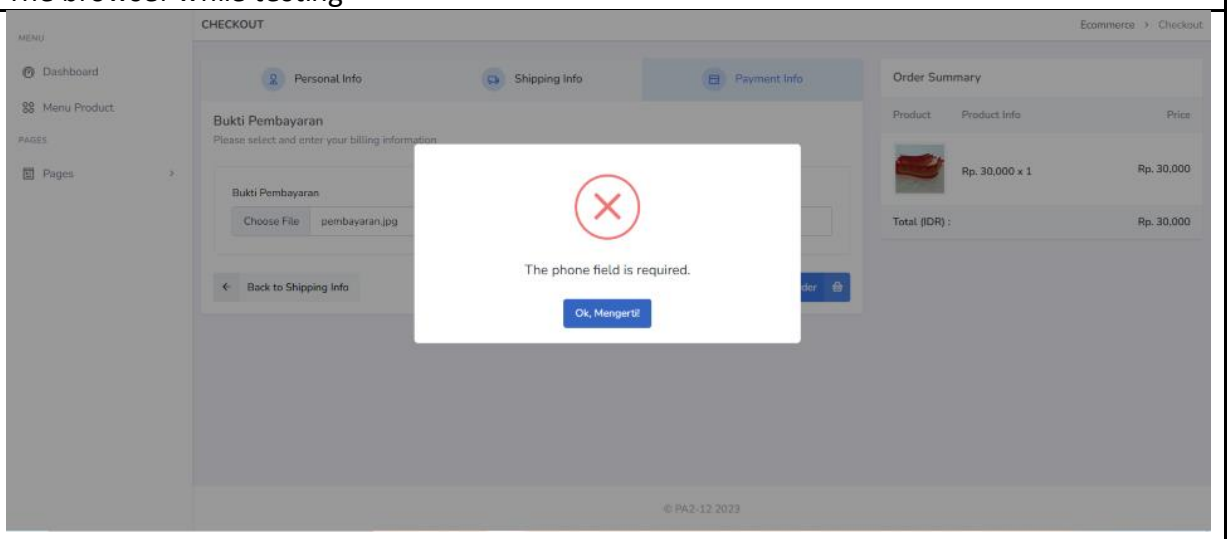
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 80

username	:	usercoba4
password	:	usercoba4
no. telp	:	-
address	:	Laguboti
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

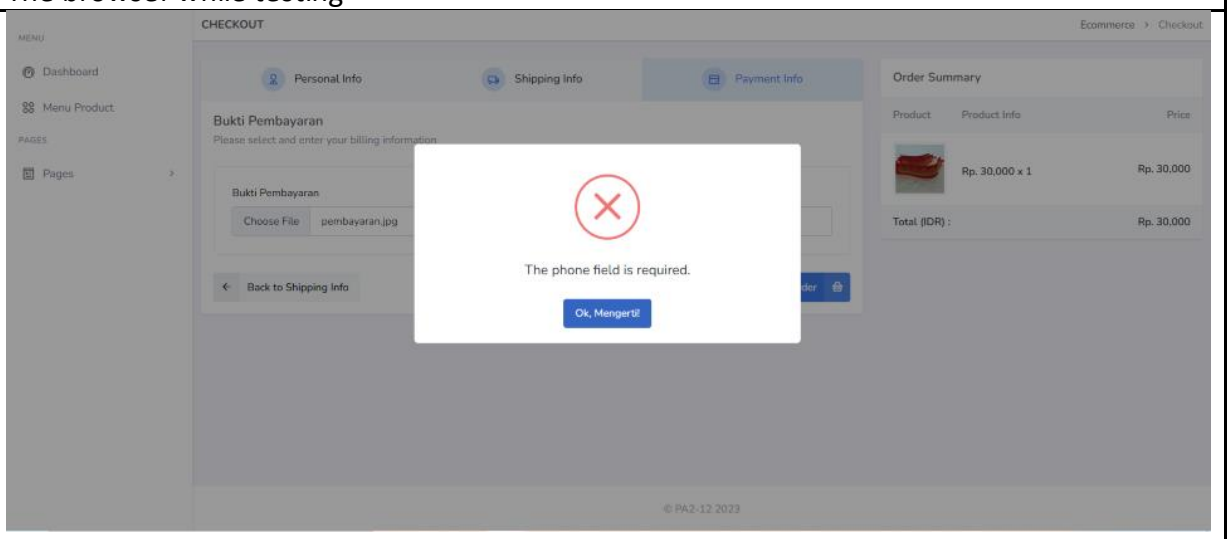
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 21: invalid nomor telepon, invalid address, invalid kode pos, valid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 81

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	-
kode pos	:	-
shipping method	:	Dana
bukti	:	-

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 21 invalid nomor telepon, invalid address, invalid kode pos, valid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 81
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

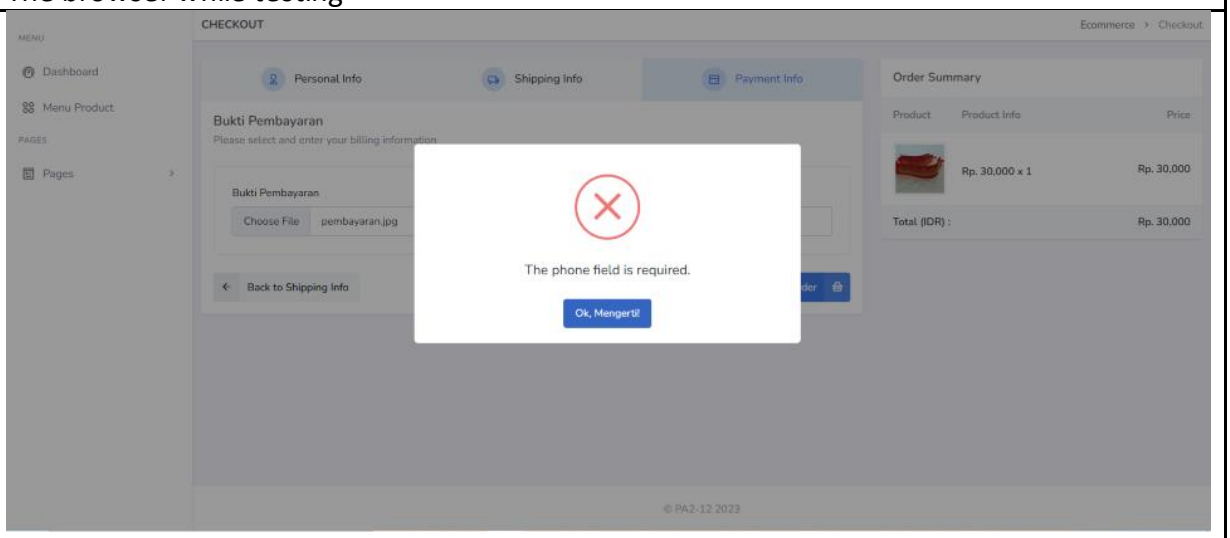
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 82

username	:	usercoba2
password	:	usercoba2
no. telp	:	-
address	:	-
kode pos	:	-
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
```

iii. The Test Runner

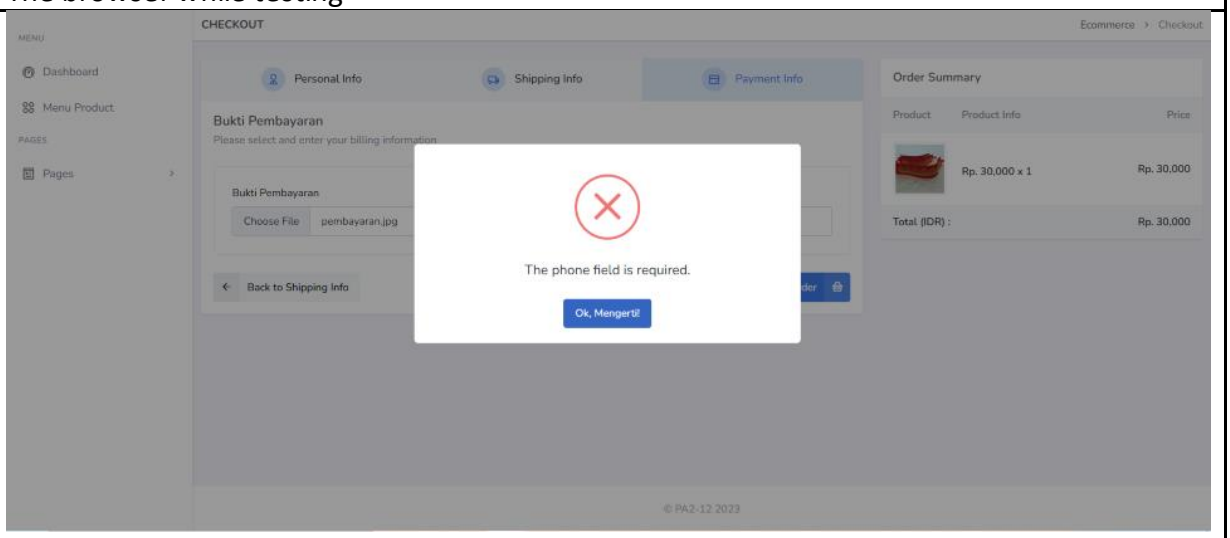
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 83

username	:	usercoba3
password	:	usercoba3
no. telp	:	-
address	:	-
kode pos	:	-
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

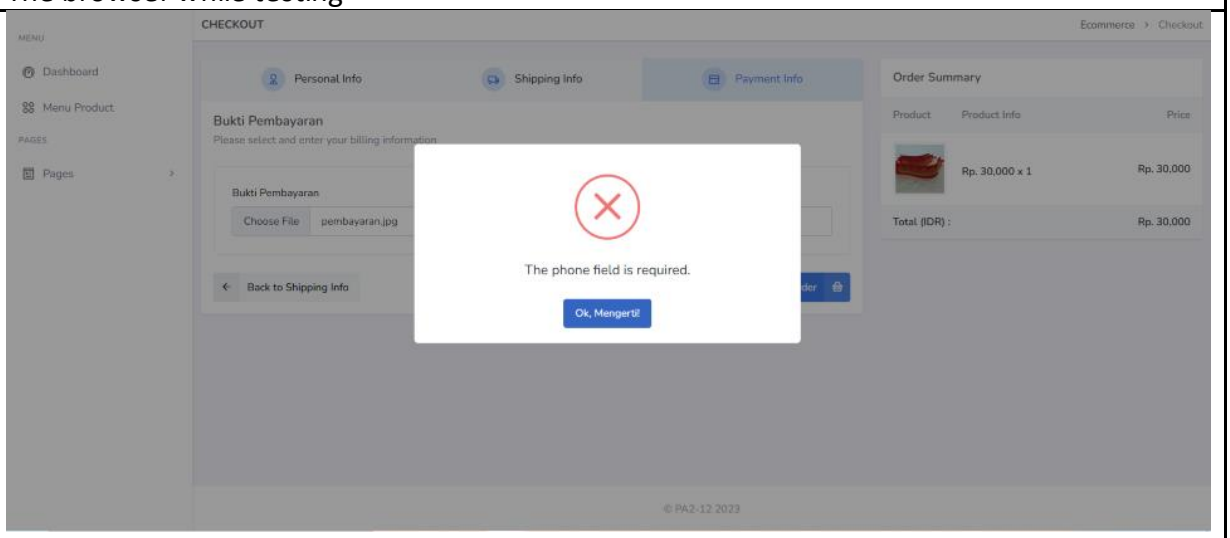
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 84

username	:	usercoba4
password	:	usercoba4
no. telp	:	-
address	:	-
kode pos	:	-
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

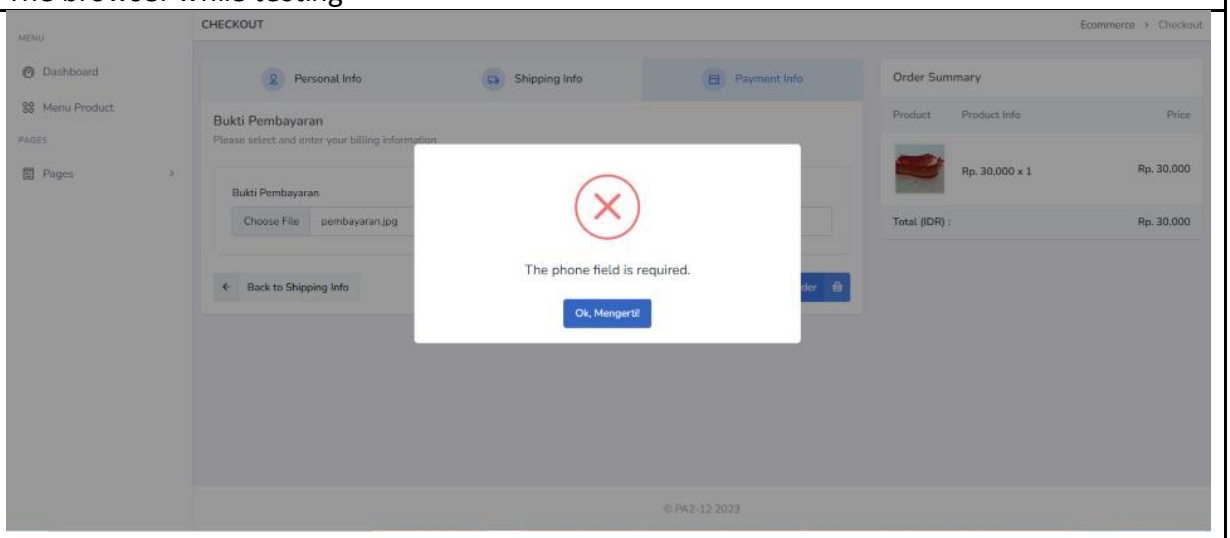
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 22: invalid nomor telepon, invalid address, valid kode pos, invalid shipping method and valid bukti pembayaran [4 test case]
  - ❖ Test Case 85

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 22 invalid nomor telepon, invalid address, valid kode pos, invalid shipping method and valid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 85
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

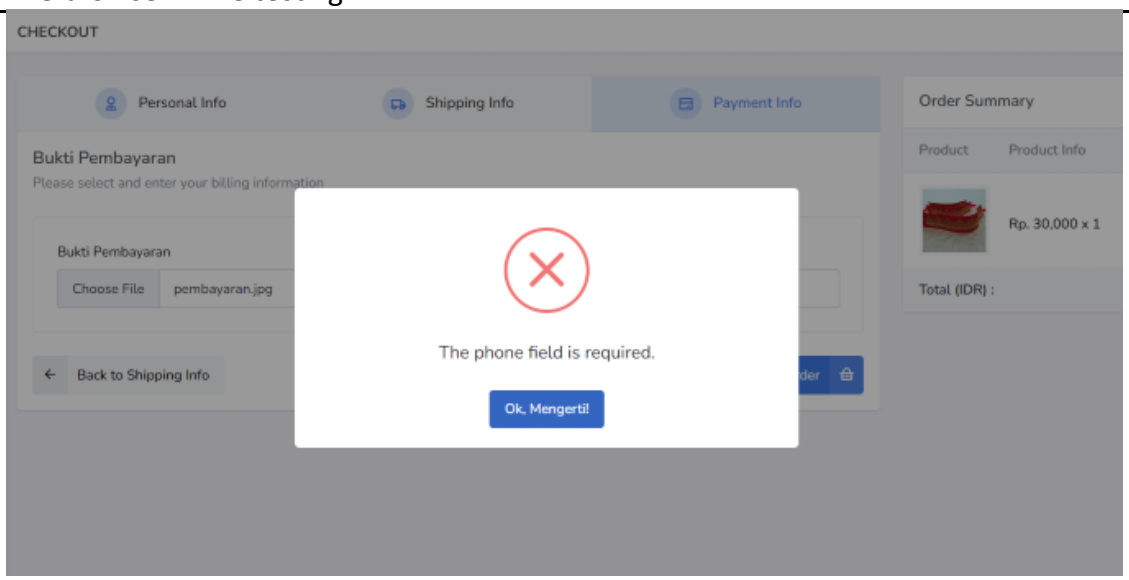
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 86

username	:	usercoba2
password	:	usercoba2
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

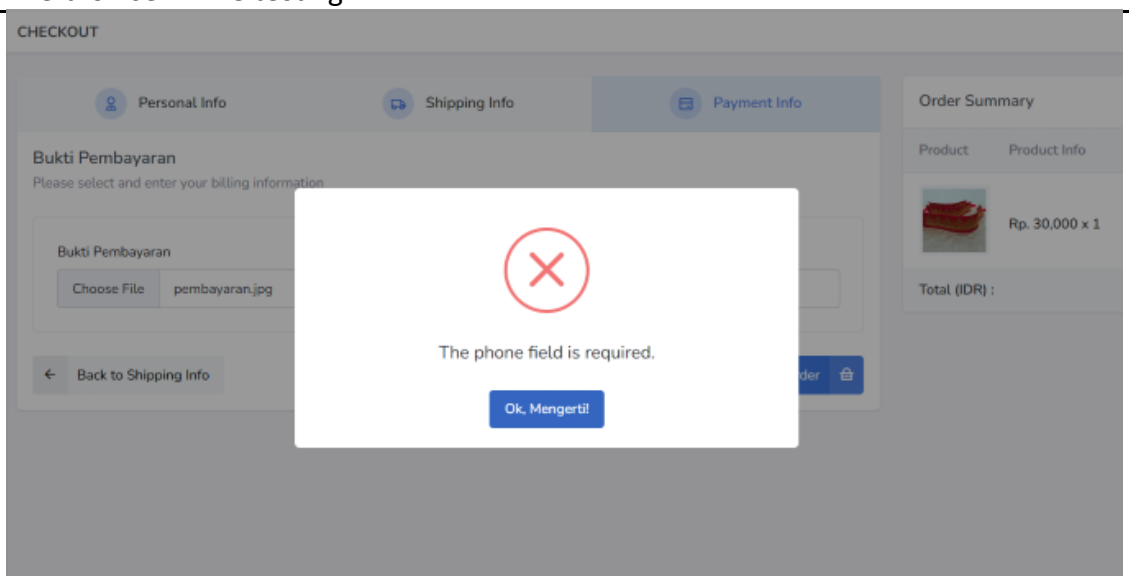
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 87

username	:	usercoba3
password	:	usercoba3
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

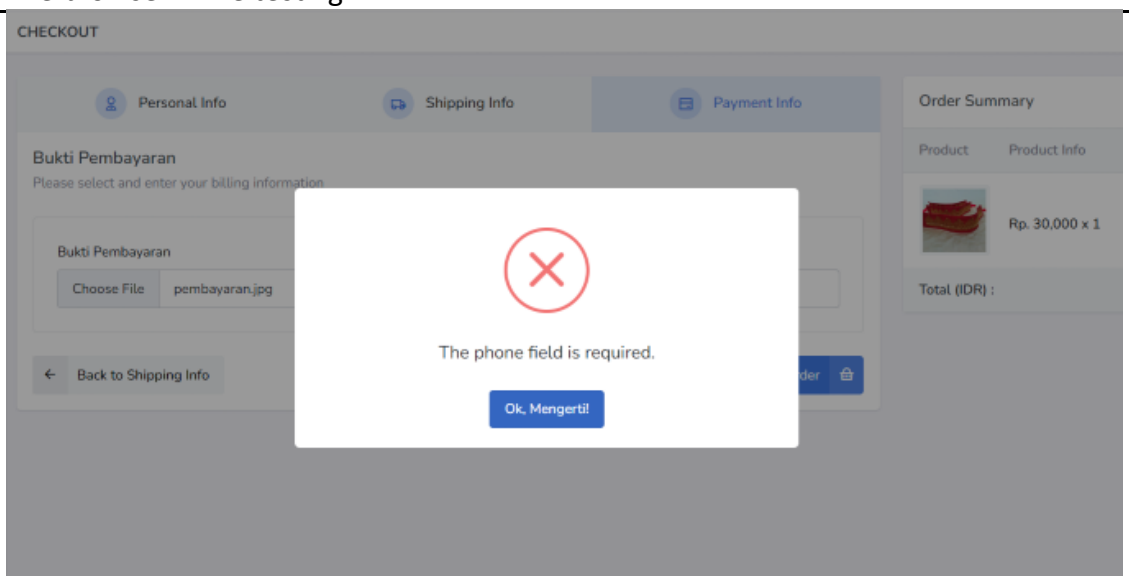
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 88

username	:	usercoba4
password	:	usercoba4
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	-
bukti	:	pembayaran.jpg

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter valid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter valid bukti pembayaran$")
    public void I_enter_valid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("pembayaran.jpg");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

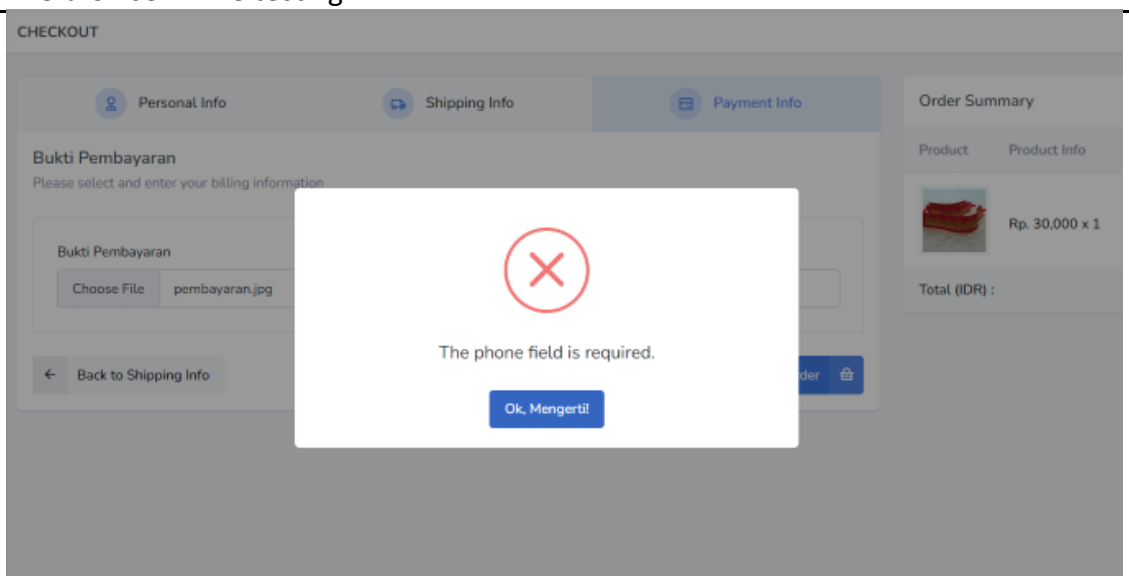
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.001 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.001 s)
    - Scenario: Test CheckOut (0.001 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter valid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 23: invalid nomor telepon, invalid address, valid kode pos, valid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 89

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 23 invalid nomor telepon, invalid address, valid kode pos, valid shipping method and invalid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 89
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

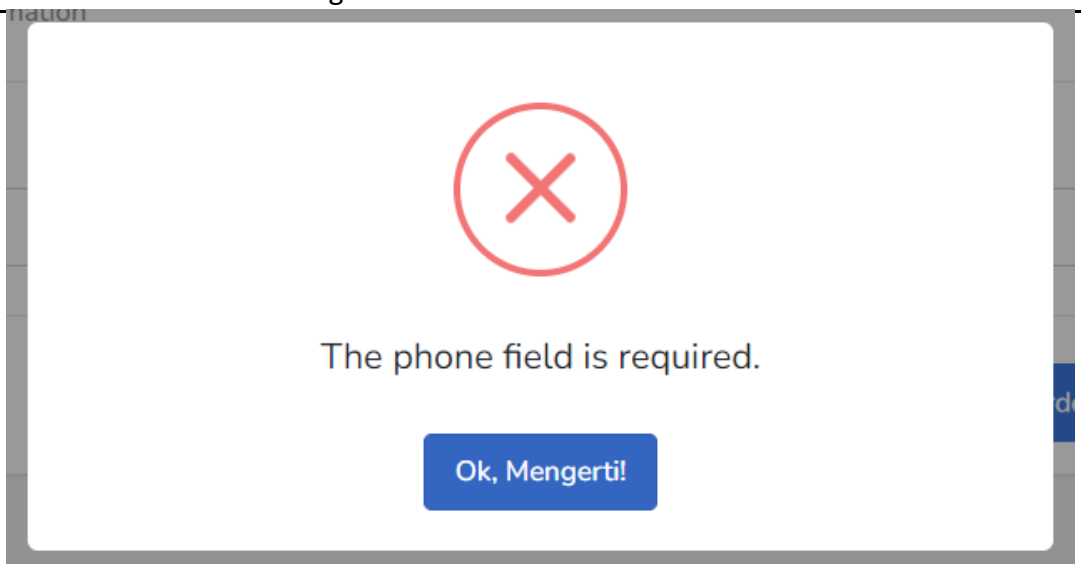
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.007 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.007 s)
    - Scenario: Test CheckOut (0.007 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.001 s)

v. The browser while testing



❖ Test Case 90

username	:	usercoba2
password	:	usercoba2
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

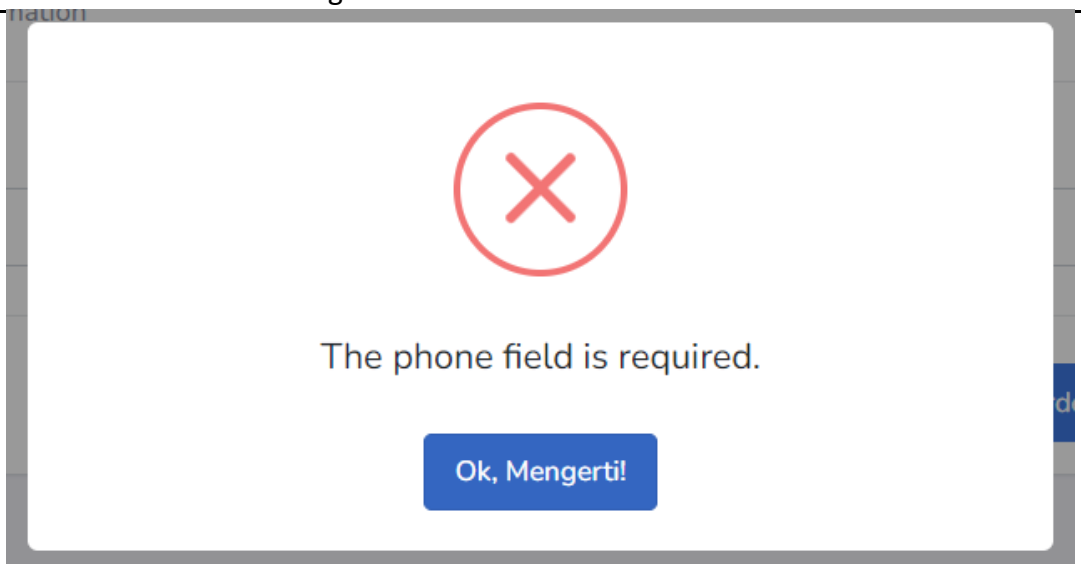
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.007 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.007 s)
    - Scenario: Test CheckOut (0.007 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.001 s)

v. The browser while testing



❖ Test Case 91

username	:	usercoba3
password	:	usercoba3
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

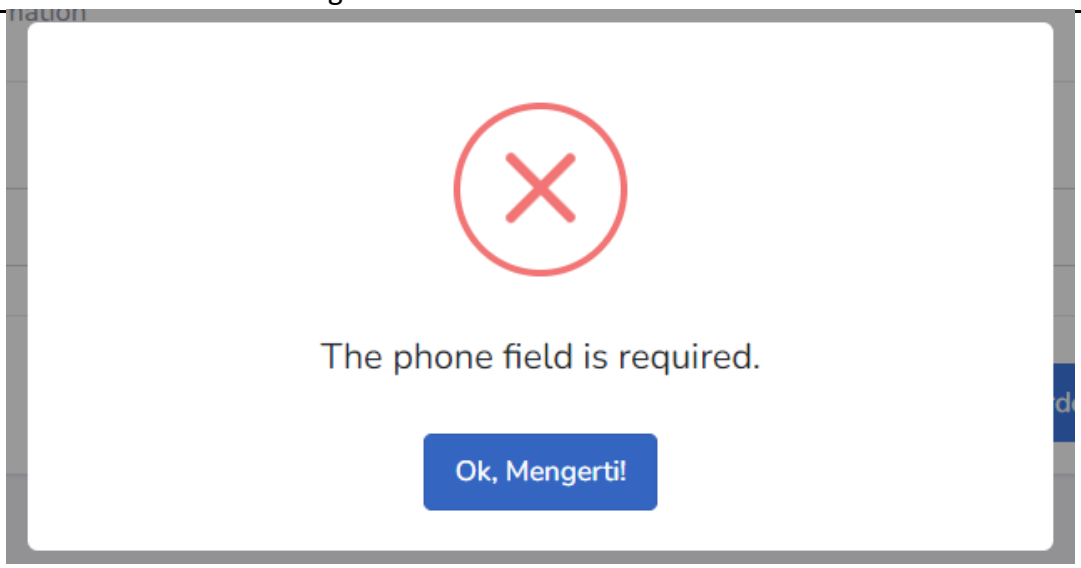
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.007 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.007 s)
    - Scenario: Test CheckOut (0.007 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.001 s)

v. The browser while testing



❖ Test Case 92

username	:	usercoba4
password	:	usercoba4
no. telp	:	-
address	:	-
kode pos	:	22312
shipping method	:	Dana
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, valid kode pos
    Then I click Continue to Shipping
    When I click valid Shipping Method
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, invalid address, valid kode pos$")
    public void I_enter_invalid_nomor_telepon_invalid_address_valid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("22312");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @When("^I click valid Shipping Method$")
    public void I_click_valid_Shipping_Method() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[2]/div/div/div/div/label")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
```

iii. The Test Runner

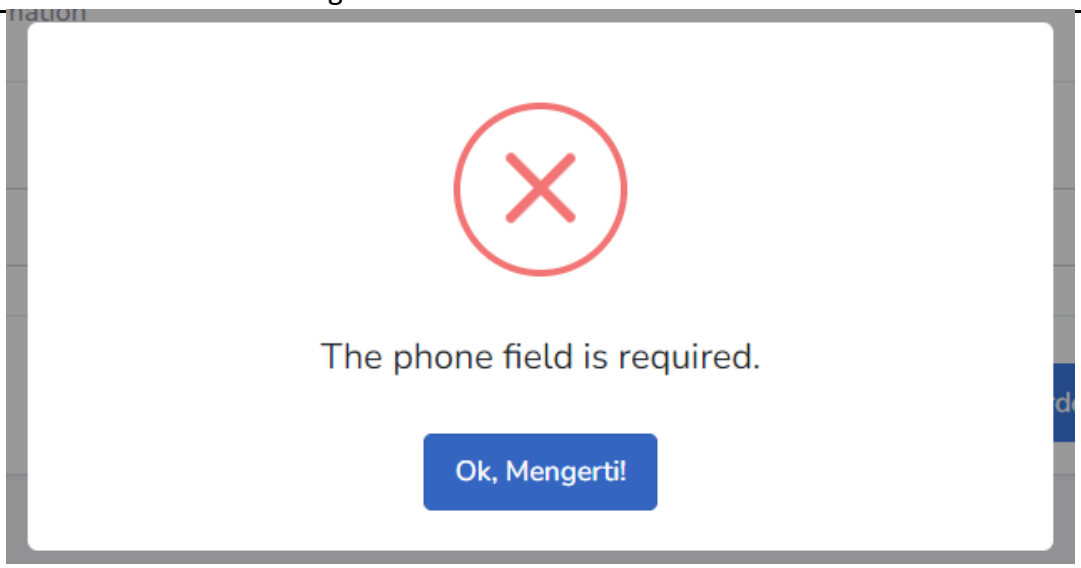
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 11/11 (12 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.007 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.007 s)
    - Scenario: Test CheckOut (0.007 s)
      - Given open chrome and start application (0.001 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, valid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - When I click valid Shipping Method (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.001 s)

v. The browser while testing



- Scenario 24: invalid nomor telepon, valid address, invalid kode pos, invalid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 93

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
# ==========================================================================================#
# Scenario 24 invalid nomor telepon, valid address, invalid kode pos, invalid shipping method and invalid bukti pembayaran
# ==========================================================================================#

## -- Test Case 93
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 93
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

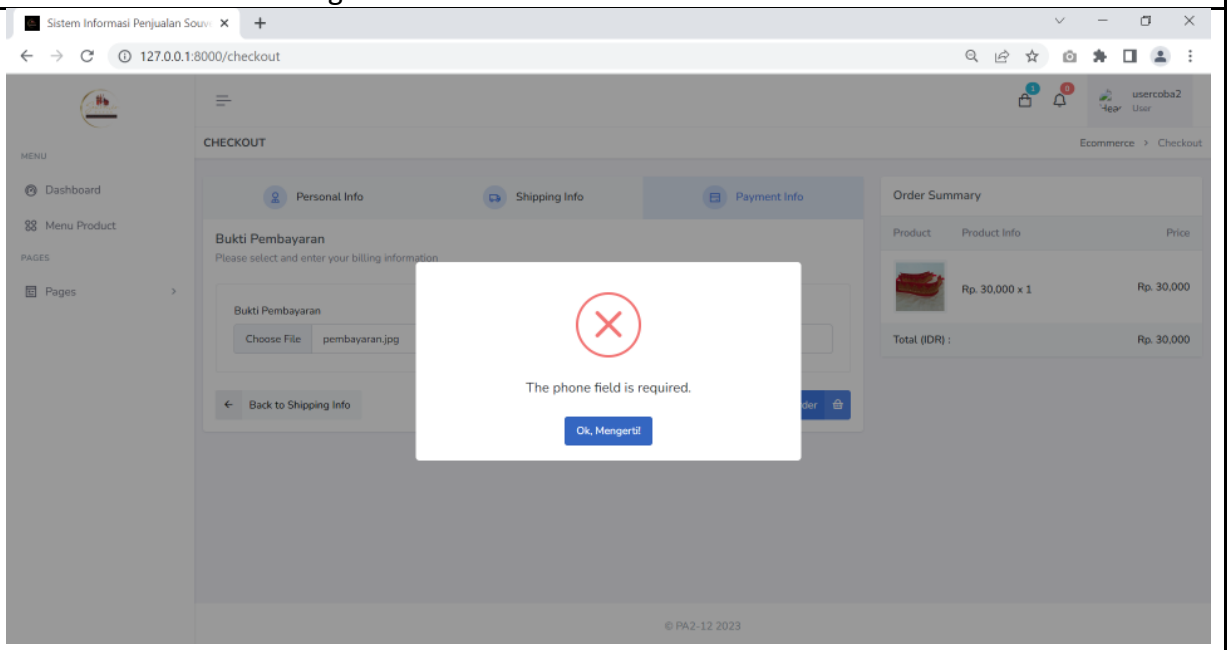
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 94

username	:	usercoba2
password	:	usercoba2
no. telp	:	-
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 94
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

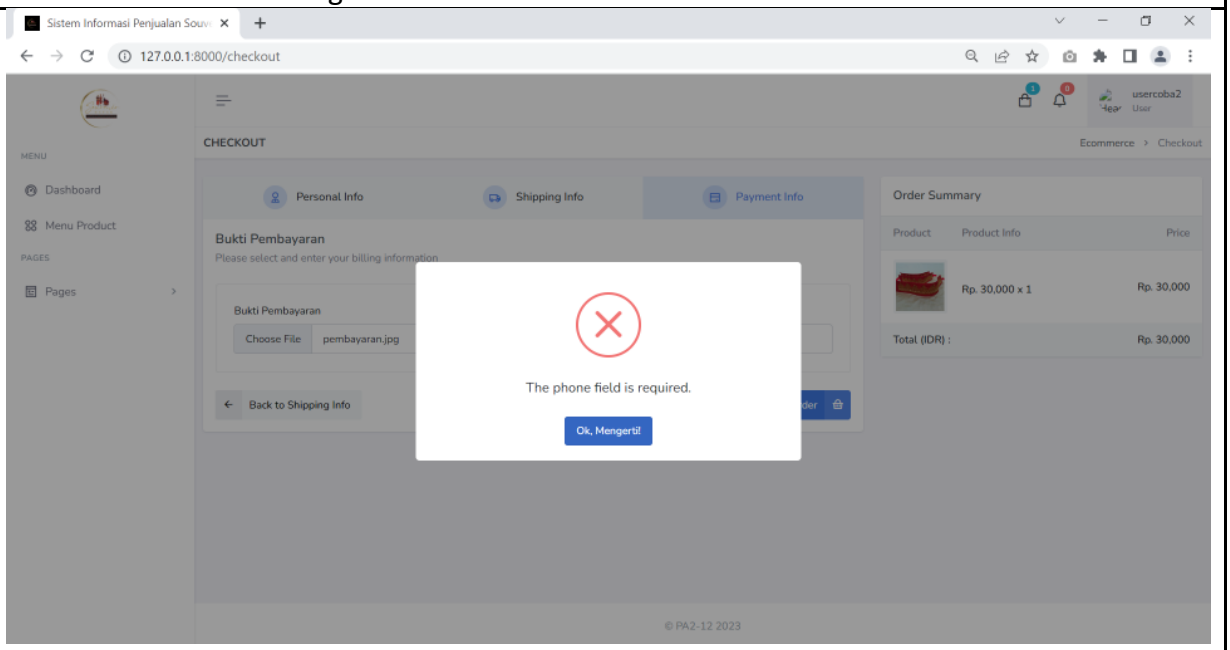
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 95

username	:	usercoba3
password	:	usercoba3
no. telp	:	-
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 95
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

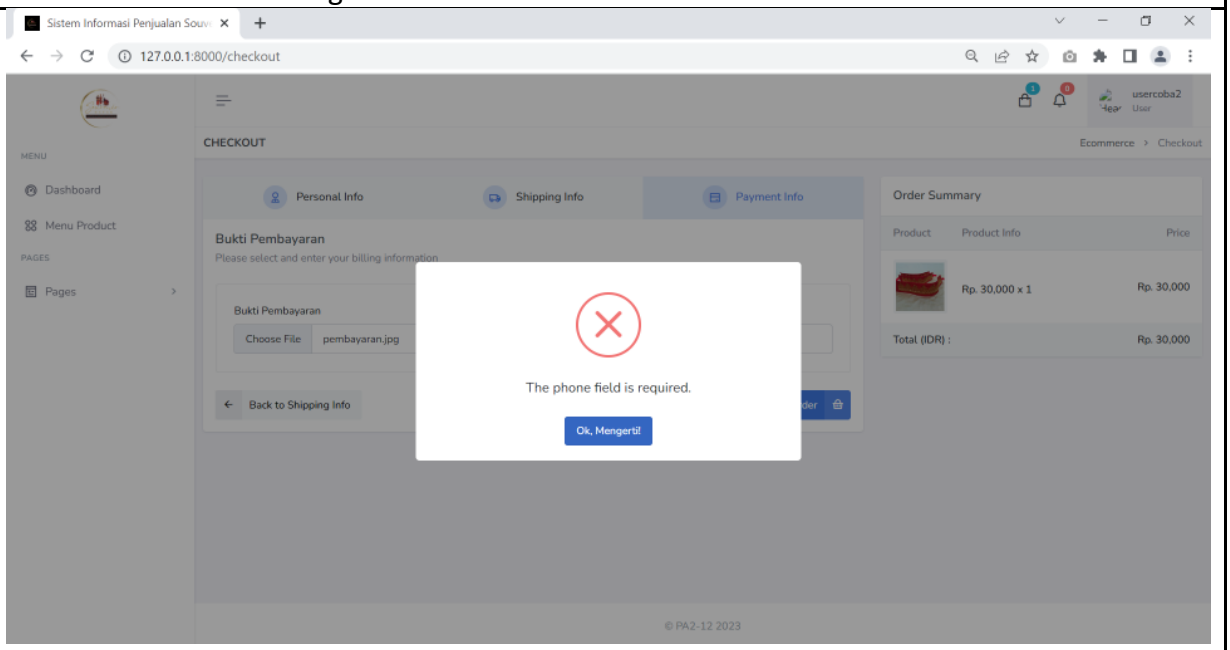
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 96

username	:	usercoba4
password	:	Usercoba4
no. telp	:	-
address	:	Laguboti
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, valid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 96
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("Laguboti");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

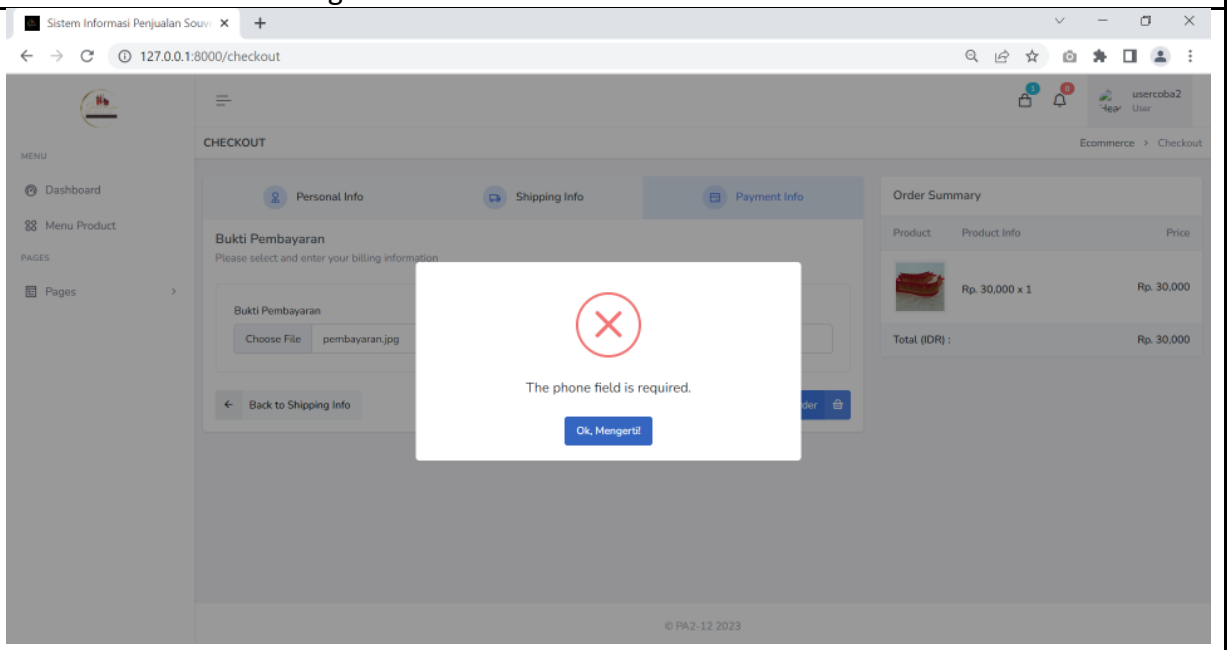
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, valid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



- Scenario 25: invalid nomor telepon, invalid address, invalid kode pos, invalid shipping method and invalid bukti pembayaran [4 test case]
  - ❖ Test Case 97

username	:	usercoba1
password	:	usercoba1
no. telp	:	-
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	-

i.	The test frame for every test case

```
# ==========================================================================================================#
# Scenario 24 invalid nomor telepon, invalid address, invalid kode pos, invalid shipping method and invalid bukti pembayaran
# ==========================================================================================================#

## -- Test Case 97
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii.	The step definition

```
//Test Case 97
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba1");
        wd.findElement(By.id("password-input")).sendKeys("usercoba1");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii.	The Test Runner

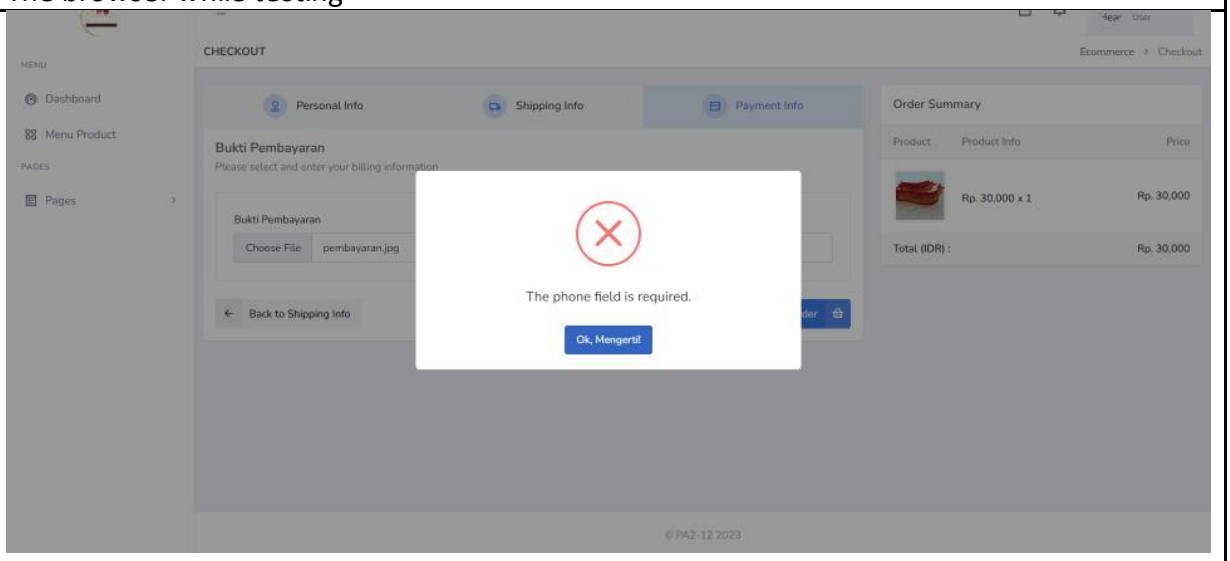
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 98

username	:	usercoba2
password	:	usercoba2
no. telp	:	-
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 98
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba2");
        wd.findElement(By.id("password-input")).sendKeys("usercoba2");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

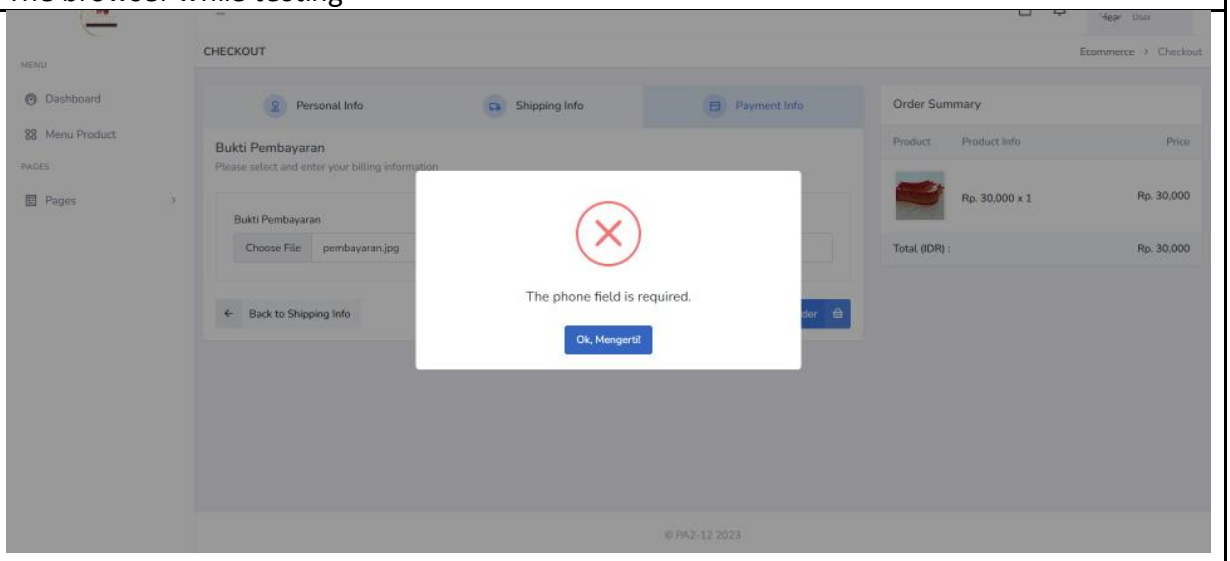
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 99

username	:	usercoba3
password	:	usercoba3
no. telp	:	-
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

```
//Test Case 99
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba3");
        wd.findElement(By.id("password-input")).sendKeys("usercoba3");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

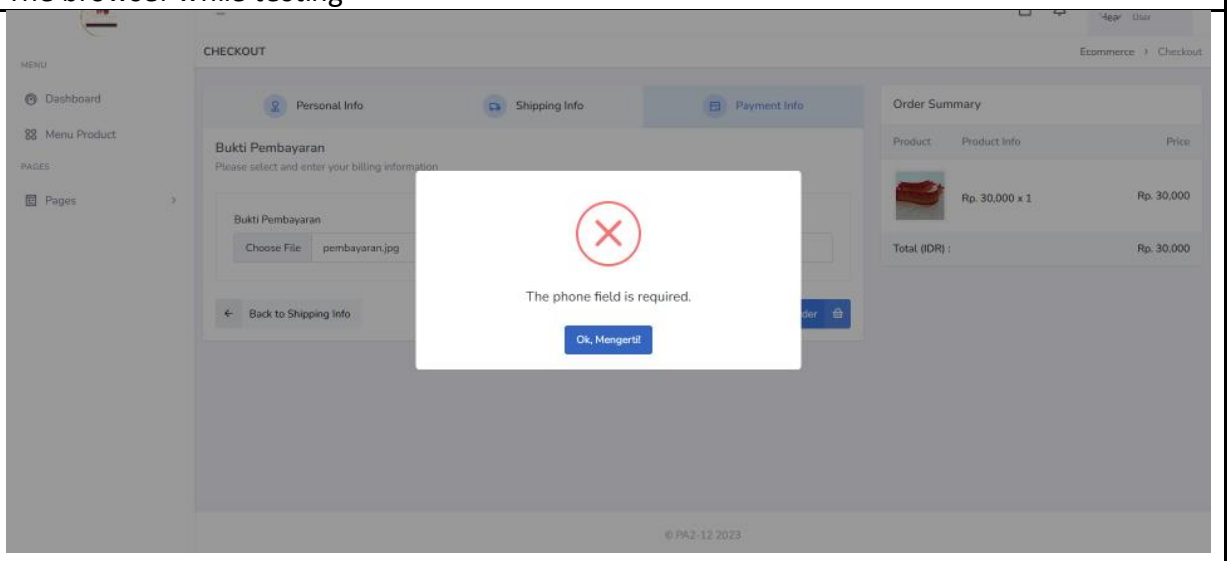
```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing



❖ Test Case 100

username	:	usercoba4
password	:	Usercoba4
no. telp	:	-
address	:	-
kode pos	:	-
shipping method	:	-
bukti	:	-

i. The test frame for every test case

```
Scenario: Test CheckOut
    Given open chrome and start application
    When I enter valid username and valid password user
    Then I can login successfully
    When I click My Chart button and Lihat Keranjang button
    Then I click ChekOut button
    When I enter invalid nomor telepon, invalid address, invalid kode pos
    Then I click Continue to Shipping
    Then I click Continue to Payment
    When I enter invalid bukti pembayaran
    Then I cannot checkout order
```

ii. The step definition

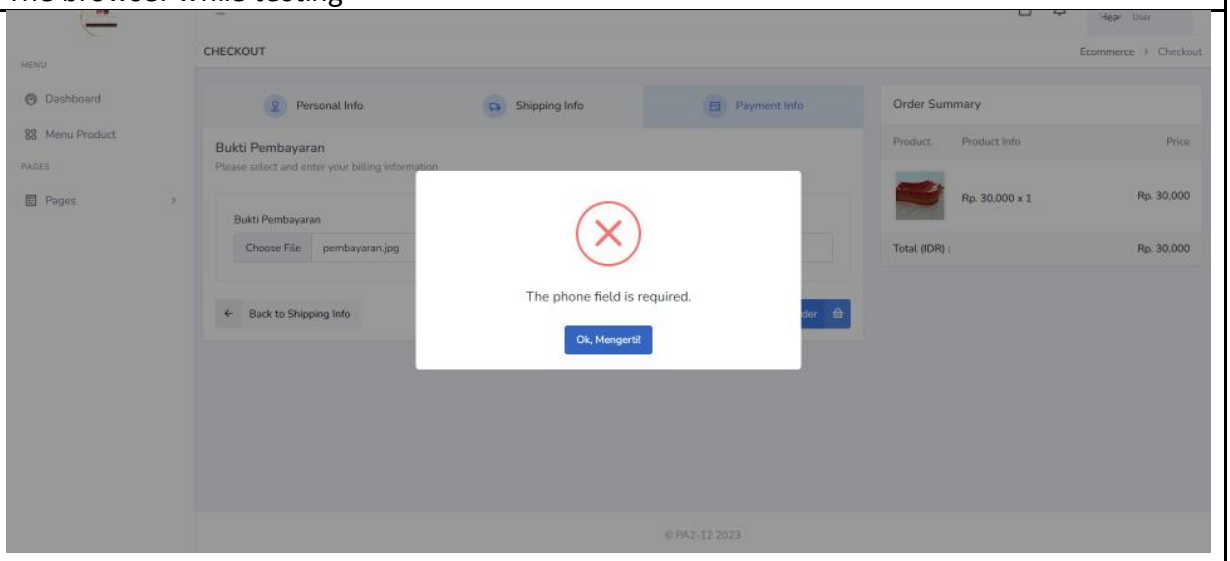
```
//Test Case 100
public class CheckOut{
    WebDriver wd;
    @Given("^open chrome and start application$")
    public void open_chrome_and_start_application() throws Throwable {
        System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\chromedriver_win32\\chromedriver.exe");
        WebDriver wd = new ChromeDriver();
        wd.get("http://127.0.0.1:8000/login");
    }
    @When("^I enter valid username and valid password user$")
    public void I_enter_valid_username_and_valid_password_user() throws Throwable {
        wd.findElement(By.id("username")).sendKeys("usercoba4");
        wd.findElement(By.id("password-input")).sendKeys("usercoba4");
    }
    @Then("^I can login successfully$")
    public void I_can_login_successfully() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div/div/div/div/div/div[1]/div/div[2]/form/div[4]/button")).click();
    }
    @When("^I click My Chart button and Lihat Keranjang button$")
    public void I_click_My_Chart_button_and_Lihat_Keranjang_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"page-header-cart-dropdown\"]")).click();
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click ChekOut button$")
    public void I_click_ChekOut_button() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"cart\"]/div[1]/div[3]/a")).click();
    }
    @When("^I enter invalid nomor telepon, valid address, invalid kode pos$")
    public void I_enter_invalid_nomor_telepon_valid_address_invalid_kode_pos() throws Throwable {
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[2]/div[2]/div/input")).sendKeys("");
        wd.findElement(By.xpath("//*[@id=\"pills-bill-info\"]/div[2]/div[3]/textarea")).sendKeys("");
        wd.findElement(By.xpath("/html/body/div/div[3]/div/form/div/div[1]/div/div/div[2]/div[1]/div[2]/div[5]/input")).sendKeys("");
        throw new PendingException();
    }
    @Then("^I click Continue to Shipping$")
    public void I_click_Continue_to_Shipping() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"checkout-elem\"]/a")).click();
    }
    @Then("^I click Continue to Payment$")
    public void I_click_Continue_to_Payment() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-bill-address\"]/div[3]/button[2]")).click();
    }
    @When("^I enter invalid bukti pembayaran$")
    public void I_enter_invalid_bukti_pembayaran() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\\\"pills-bill-info\\\"]/div[2]/div[3]/textarea")).sendKeys("");
    }
    @Then("^I cannot checkout order$")
    public void I_cannot_checkout_order() throws Throwable {
        wd.findElement(By.xpath("//*[@id=\"pills-payment\"]/div[3]/a")).click();
    }
}
```

iii. The Test Runner

```java
package runner;

import org.junit.runner.RunWith;
import cucumber.api.junit.Cucumber;

@RunWith(Cucumber.class)

    /*Scenario 1 - scenario 25 [Akun 1 - Akun 100]*/

//  @Cucumber.Options(features = "Features_CheckOut", glue = "stepDefinition_CheckOut")
    @Cucumber.Options(features = "Features_CheckOut")

public class CheckOutTestRunner {

}
```

iv. The Console after Running

Runs: 10/10 (11 skipped) Errors: 0 Failures: 0

- runner.CheckOutTestRunner [Runner: JUnit 4] (0.000 s)
  - Feature: Test ChekOut for Sistem Informasi Penjualan Souvenir Batak (0.000 s)
    - Scenario: Test CheckOut (0.000 s)
      - Given open chrome and start application (0.000 s)
      - When I enter valid username and valid password user (0.000 s)
      - Then I can login successfully (0.000 s)
      - When I click My Chart button and Lihat Keranjang button (0.000 s)
      - Then I click ChekOut button (0.000 s)
      - When I enter invalid nomor telepon, invalid address, invalid kode pos (0.000 s)
      - Then I click Continue to Shipping (0.000 s)
      - Then I click Continue to Payment (0.000 s)
      - When I enter invalid bukti pembayaran (0.000 s)
      - Then I cannot checkout order (0.000 s)

v. The browser while testing