

LAPORAN PROYEK
PENGUJIAN APLIKASI PROYEK AKHIR DENGAN
MENGGUNAKAN TOOLS ROBOT FRAMEWORK



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D-III TEKNOLOGI INFORMASI
FAKULTAS VOKASI
INSTITUT TEKNOLOGI DEL
PENERAPAN PADA FRAMEWORK

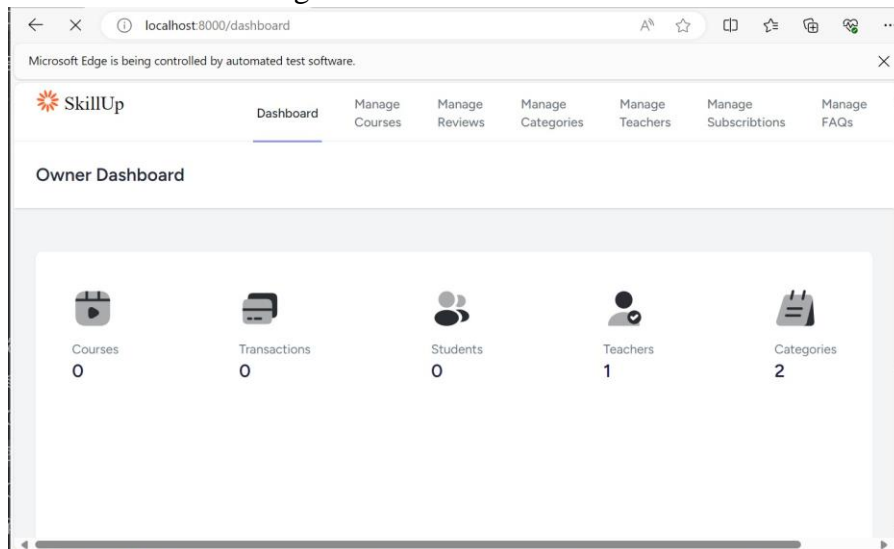
1. Fungsi Login
 - a. Login 1
- ✓ Test Runner

```
TC_1.robot x
1  *** Settings ***
2  Library SeleniumLibrary
3
4  *** Variables ***
5  ${URL} http://localhost:8000/login
6  ${BROWSER} edge
7  ${EMAIL} dsiahaan581@gmail.com
8  ${PASSWORD} Tuhanberkati@11
9
10 *** Test Cases ***
11 LoginTest
12     [Documentation] Test untuk login ke aplikasi dengan menggunakan email dan password yang valid
13     Open Browser ${URL} ${BROWSER}
14     Set Selenium Implicit Wait 5
15     Sleep 2
16     Input Text //*[@id="email"] ${EMAIL}
17     Input Text //*[@id="password"] ${PASSWORD}
18     Click Element //*[@id="contactForm"]/div[3]/button
19     Sleep 10
20     Close Browser
21
```

- ✓ Console after Running

```
TC 1 | PASS |
1 test, 1 passed, 0 failed
=====
Output: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\output.xml
Log: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\log.html
Report: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\report.html
(venv) PS C:\Users\Administrator\PycharmProjects\ProyekPKPL_13>
```

- ✓ Browser After Running



- ✓ Report

LOG

LogOut TC Report

Generated
 20240531 18:31:44 UTC+07:00
 2 minutes 10 seconds ago

Summary Information

Status: All tests passed
Start Time: 20240531 18:31:29.528
End Time: 20240531 18:31:44.170
Elapsed Time: 00:00:14.642
Log File: log.html

Test Statistics

Total Statistics		Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
All Tests		3	3	0	0	00:00:14	<div style="width: 100%; height: 10px; background-color: green;"></div>

Statistics by Tag		Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
No Tags							

Statistics by Suite		Total	Pass	Fail	Skip	Elapsed	Pass / Fail / Skip
LogOut TC		3	3	0	0	00:00:15	<div style="width: 100%; height: 10px; background-color: green;"></div>

Test Details

All
Tags
Suites
Search

Suite:

Test:

Include:

Exclude:

[Help](#)

- b. Login 2 (Wrong Email)
- ✓ Test Runner

TC_1.robot

venv\TC_2.robot

TC_2.robot ×

Analyzing...

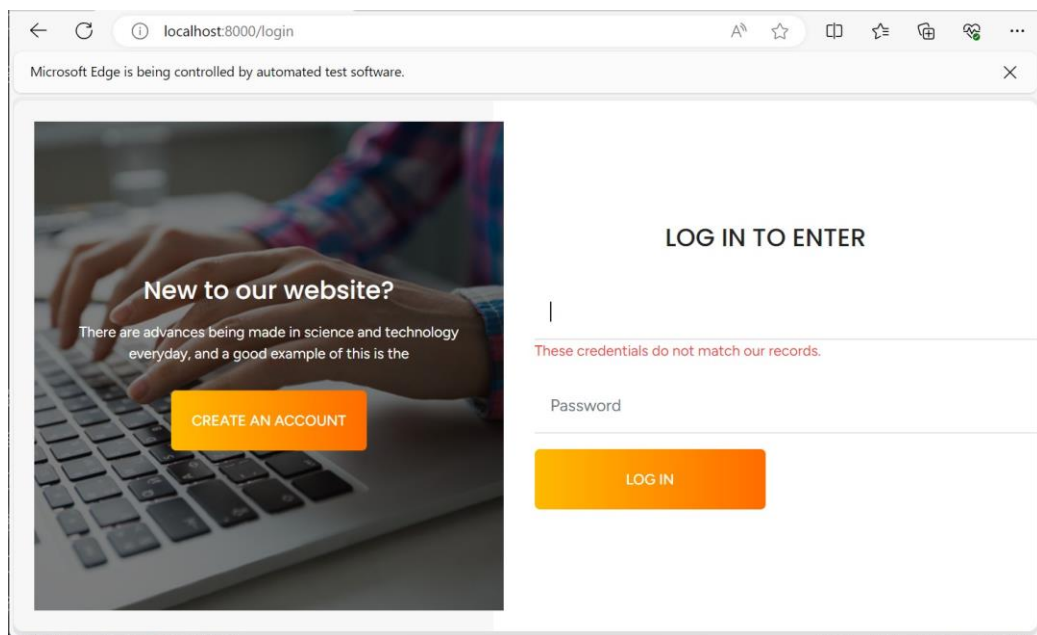
```

1  *** Settings ***
2  Library SeleniumLibrary
3
4  *** Variables ***
5  ${URL}          http://localhost:8000/login
6  ${BROWSER}      edge
7  ${INVALID_EMAIL} risna@gmail.com
8  ${PASSWORD}     Tuhanberkati@11
9
10 *** Test Cases ***
11 LoginWithInvalidEmailTest
12     [Documentation] Test untuk login ke aplikasi dengan menggunakan email yang salah
13     Open Browser  ${URL}  ${BROWSER}
14     Set Selenium Implicit Wait  5
15     Input Text    id=email  ${INVALID_EMAIL}
16     Input Text    id=password  ${PASSWORD}
17     Click Element //*[@id="contactForm"]/div[3]/button
18     Sleep  5
19     # Check for error message
20     ${error_message}= Get Text  //*[@id="contactForm"]/div[1]/span
21     Should Contain  ${error_message}  Invalid email or password
22     Close Browser
23
  
```

✓ Console after Running

```
TC 2 | FAIL |
1 test, 0 passed, 1 failed
=====
Output: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\output.xml
Log: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\log.html
Report: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\report.html
(venv) PS C:\Users\Administrator\PycharmProjects\ProyekPKPL_13> |
```

✓ Browser After Running



c. Login 3(Wrong Password)

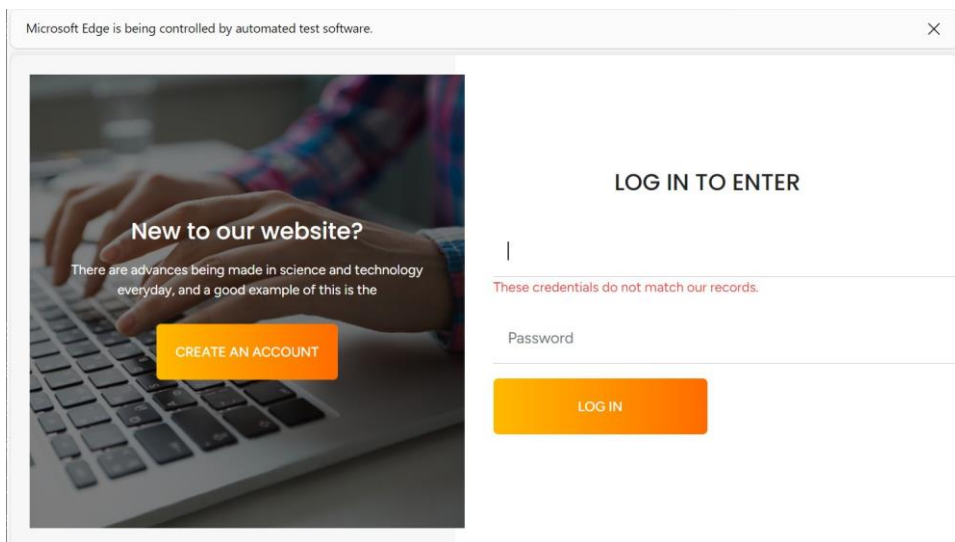
- ✓ Definition
- ✓ Test Runner

```
TC_1.robot TC_2.robot TC_3.robot x
1 *** Settings ***
2 Library SeleniumLibrary
3
4 *** Variables ***
5 ${URL} http://localhost:8000/login
6 ${BROWSER} edge
7 ${INVALID_EMAIL} dsiahaan581@gmail.com
8 ${PASSWORD} risnacantik
9
10 *** Test Cases ***
11 LoginWithInvalidEmailTest
12 [Documentation] Test untuk login ke aplikasi dengan menggunakan email yang salah
13 Open Browser ${URL} ${BROWSER}
14 Set Selenium Implicit Wait 5
15 Input Text id=email ${INVALID_EMAIL}
16 Input Text id=password ${PASSWORD}
17 Click Element //*[@id="contactForm"]/div[3]/button
18 Sleep 5
19 # Check for error message
20 ${error_message}= Get Text //*[@id="contactForm"]/div[1]/span
21 Should Contain ${error_message} Invalid email or password
22 Close Browser
23
```

✓ Console after Running

```
TC 3 | FAIL |
1 test, 0 passed, 1 failed
=====
Output: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\output.xml
Log: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\log.html
Report: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\report.html
(venv) PS C:\Users\Administrator\PycharmProjects\ProyekPKPL_13> 
```

✓ Browser After Running



2. Fungsi Add Category

✓ Test Runner

```

*** Settings ***
Library      SeleniumLibrary

*** Variables ***
${URL_LOGIN}      http://127.0.0.1:8000/admin/categories/create
${BROWSER}        Edge
${EMAIL}          dsiahaan581@gmail.com
${PASSWORD}       Tuhanberkati@11
${CATEGORY_NAME}  JavaScript
${ICON_PATH}      /mnt/data/image.png

*** Test Cases ***
AdminLogin
    [Documentation]  Test untuk login ke aplikasi sebagai admin
    Open Browser      ${URL_LOGIN}    ${BROWSER}
    Set Selenium Implicit Wait  20
    Input Text        id=email        ${EMAIL}
    Input Password    id=password     ${PASSWORD}
    Click Button      //*[@id="contactForm"]/div[3]/button
    # Capture Screenshot after login
    Capture Page Screenshot
    Log               "Admin login completed. Proceed to add category."

AddCategoryWithUniqueName
    [Documentation]  Test untuk menambahkan kategori baru dengan nama yang unik dan mengunggah ikon
    # Ensure the user is logged in (AdminLogin should be called before this step if not already logged in)
    Set Selenium Implicit Wait  60
    # Navigate to add category page
    Click Element     xpath=//*[@id="menu"]/li/a[@href="/categories']
    Sleep 2
    # Click the button to add a new category
    Click Element     id=addCategoryButton
    Sleep 2
    # Input the new category name
    Input Text        id=categoryName ${CATEGORY_NAME}
    # Upload the icon file
    Choose File       id=icon         ${ICON_PATH}
    # Submit the new category
    Click Element     //button[@type='submit']
    Sleep 5
    # Capture Screenshot after adding category
    Capture Page Screenshot
    # Verify the new category has been added
    ${category_text}= Get Text        xpath=//table[@id='categoriesTable']/td[contains(text(), '${CATEGORY_NAME}')]
    Should Contain    ${category_text} ${CATEGORY_NAME}
    Log               "Category added with a unique name and icon."

Close Browser Manually

```

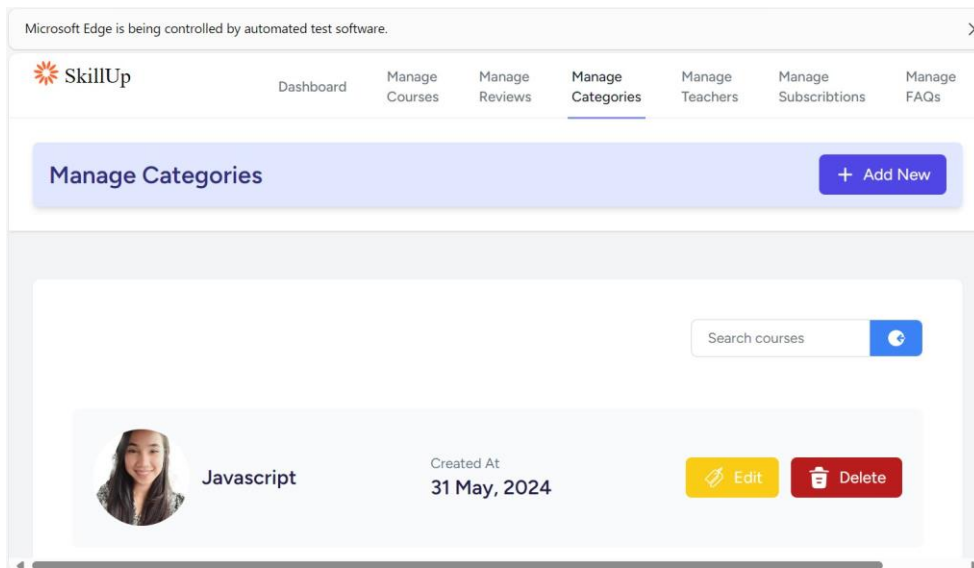
✓ Console after Running

```

=====
Output: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\output.xml
Log:     C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\log.html
Report:  C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\report.html
(venv) PS C:\Users\Administrator\PycharmProjects\ProyekPKPL_13> 

```

✓ Browser After Running



3. Fungsi Add Teacher

a. Add Teacher

✓ Test Runner

```

*** Settings ***
Library    SeleniumLibrary

*** Variables ***
${URL_LOGIN}    http://127.0.0.1:8000/admin/teachers/create
${BROWSER}      Edge
${EMAIL}        dsiahaan581@gmail.com
${PASSWORD}     Tuhanberkati@11
${EMAILL}       risna@gmail.com

*** Test Cases ***
AdminLogin
    [Documentation]    Test untuk login ke aplikasi sebagai admin
    Open Browser       ${URL_LOGIN}    ${BROWSER}
    Set Selenium Implicit Wait    20
    Input Text         id=email    ${EMAIL}
    Input Password     id=password ${PASSWORD}
    Click Button       //*[id="contactForm"]/div[3]/button
    # Capture Screenshot after login
    Capture Page Screenshot
    Log                "Admin login completed. Proceed to add category."

AddCategoryWithUniqueName

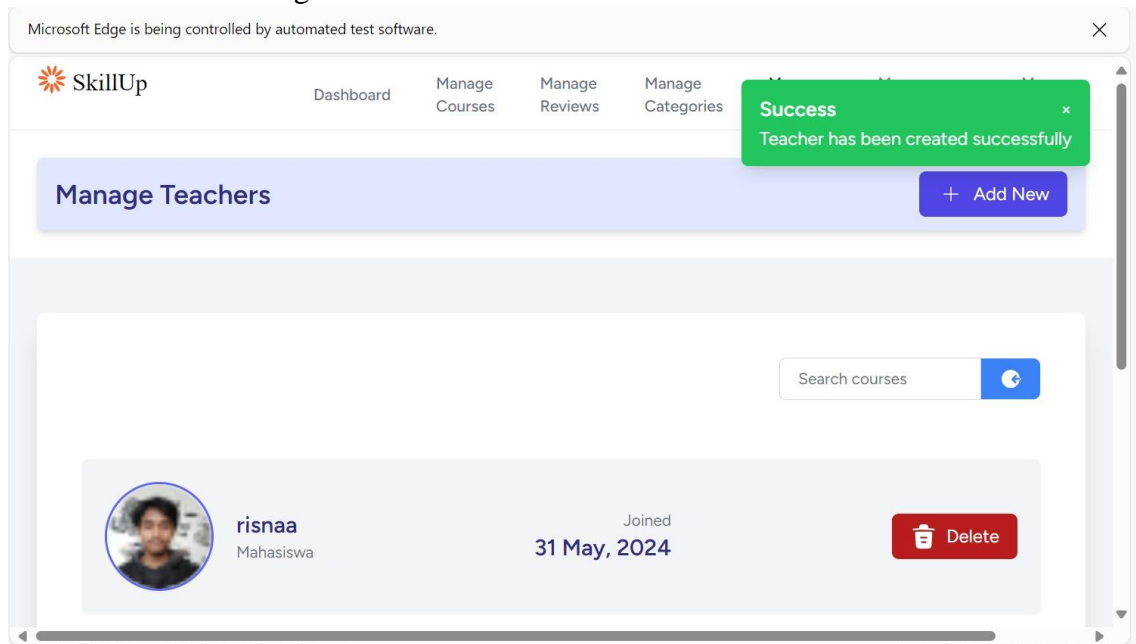
AddCategoryWithUniqueName
    # Click the button to add a new category
    Click Element      id=email
    Sleep              5
    # Input the new email
    Input Text         id=email    ${EMAILL}
    # Submit the new category
    Click Element      //button[@type='submit']
    Sleep              5

Close Browser Manually
    [Documentation]    Menutup browser secara manual
    Close Browser
  
```

✓ Console after Running

```
ManageTeacherTC | PASS |
3 tests, 3 passed, 0 failed
=====
Output: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\output.xml
Log: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\log.html
Report: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\report.html
(venv) PS C:\Users\Administrator\PycharmProjects\ProyekPKPL_13>
```

✓ Browser After Running



b. Add Teacher (email/akun yang sama)

✓ Test Runner

```
*** Settings ***
Library SeleniumLibrary

*** Variables ***
${URL_LOGIN} http://127.0.0.1:8000/admin/teachers/create
${BROWSER} Edge
${EMAIL} dsiahaan581@gmail.com
${PASSWORD} Tuhanberkati@11
${EMAILL} risna@gmail.com

*** Test Cases ***
AdminLogin
    [Documentation] Test untuk login ke aplikasi sebagai admin
    Open Browser ${URL_LOGIN} ${BROWSER}
    Set Selenium Implicit Wait 20
    Input Text id=email ${EMAIL}
    Input Password id=password ${PASSWORD}
    Click Button //*[id="contactForm"]/div[3]/button
    # Capture Screenshot after login
    Capture Page Screenshot
    Log "Admin login completed. Proceed to add category."

AddCategoryWithUniqueName
```



```

AddCategoryWithUniqueName
# Click the button to add a new category
Click Element id=email
Sleep 5
# Input the new email
Input Text id=email ${EMAILL}
# Submit the new category
Click Element //button[@type='submit']
Sleep 5

Close Browser Manually
[Documentation] Menutup browser secara manual
Close Browser

```

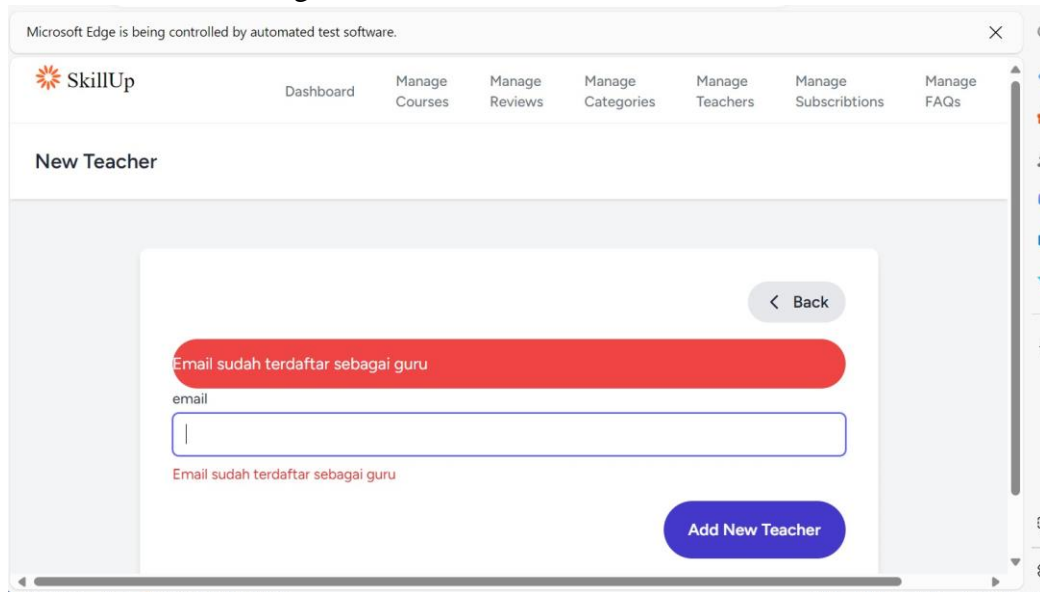
✓ Console after Running

```

ManageTeacherTC | PASS |
3 tests, 3 passed, 0 failed
=====
Output: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\output.xml
Log: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\log.html
Report: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\report.html
(venv) PS C:\Users\Administrator\PycharmProjects\ProyekPKPL_13>

```

✓ Browser After Running



4. Fungsi Profile

1. Profil 1 (Mengupdate Akun)

✓ Test Runner

```
*** Settings ***
Analyzing...

*** Variables ***
${URL_LOGIN}    http://127.0.0.1:8000/profile
${BROWSER}      Edge
${EMAIL}        risnasiringoringo@gmail.com
${PASSWORD}     risnas280304
${NAME}         cesyaa
${EMAIL}        cesya@.com

*** Test Cases ***
AdminLogin
    [Documentation]    Test untuk login ke aplikasi sebagai teacher
    Open Browser       ${URL_LOGIN}    ${BROWSER}
    Set Selenium Implicit Wait    20
    Input Text         id=email        ${EMAIL}
    Input Password     id=password     ${PASSWORD}
    Click Button       //*[@id="contactForm"]/div[3]/button
    # Capture Screenshot after login
    Capture Page Screenshot
    Log                "Teacher login completed. Proceed to add category."

AddCategoryWithUniqueName
    # Click the button to add a new category
    Click Element      id=name
    Sleep              5
    # Input the new email
    Input Text         id=name         ${NAME}

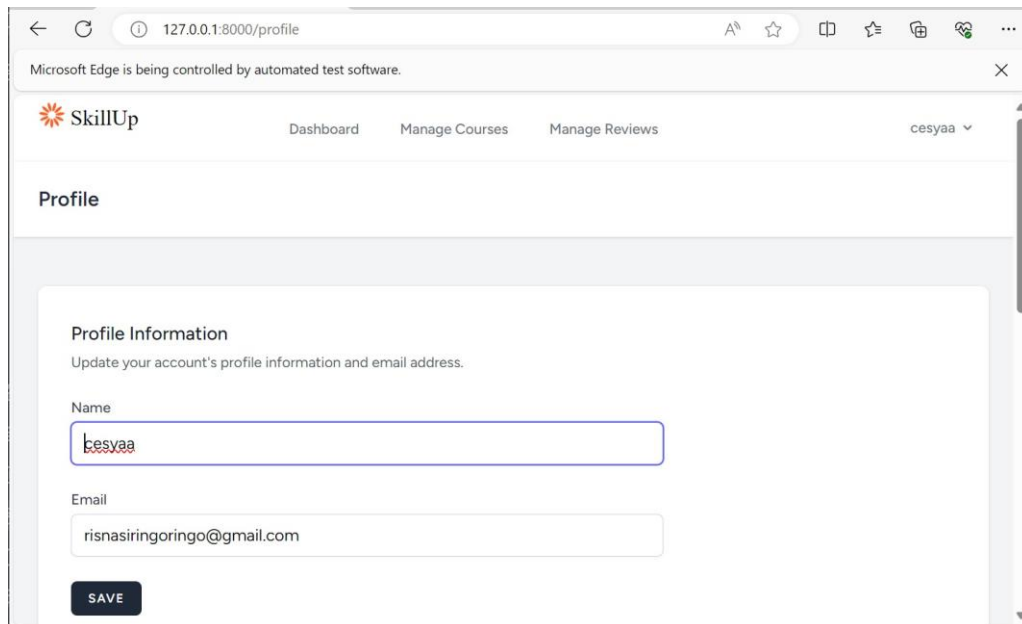
    # Click the button to add a new category
    Click Element      id=email
    Sleep              5
    # Input the new email
    Input Text         id=email        ${EMAIL}
    # Submit the new category
    Click Element       xpath=//button[@type='submit']
    Sleep              5

Close Browser Manually
    [Documentation]    Menutup browser secara manual
    Close Browser
```

✓ Console after Running

```
Profile TC | PASS |
3 tests, 3 passed, 0 failed
=====
Output: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\output.xml
Log:    C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\log.html
Report: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\report.html
(venv) PS C:\Users\Administrator\PycharmProjects\ProyekPKPL_13> 
```

✓ Browser After Running



5. Fungsi Log out

✓ Test Runner

```

*** Settings ***
Library      SeleniumLibrary

*** Variables ***
${URL_LOGIN}    http://127.0.0.1:8000/dashboard
${BROWSER}      Edge
${EMAIL}        dsiahaan581@gmail.com
${PASSWORD}     Tuhanberkati@11

*** Test Cases ***
AdminLogin
    [Documentation]    Test untuk login ke aplikasi sebagai admin
    Open Browser       ${URL_LOGIN}    ${BROWSER}
    Set Selenium Implicit Wait    20
    Input Text         id=email        ${EMAIL}
    Input Password     id=password     ${PASSWORD}
    Click Button       //*[@id="contactForm"]/div[3]/button
    Capture Page Screenshot
    Log                "Admin login completed. Proceed to update profile."

Logout
    [Documentation]    Test untuk logout dari aplikasi
    # Click the user dropdown menu to reveal the Log Out option
    Click Element      xpath=//nav//div[contains(text(), 'Daniel Siahaan')]

    # Click the Log Out option
    Click Link         xpath=//a[text()='Log Out']

    # Capture Screenshot after logout
    Capture Page Screenshot
    Log                "User logged out successfully."

Close Browser
    [Documentation]    Menutup browser secara manual
    Close Browser
  
```

✓ Console after Running

```
-----  
LogOut TC | PASS |  
3 tests, 3 passed, 0 failed  
-----  
Output: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\output.xml  
Log: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\log.html  
Report: C:\Users\Administrator\PycharmProjects\ProyekPKPL_13\report.html
```

✓ Browser After Running

