

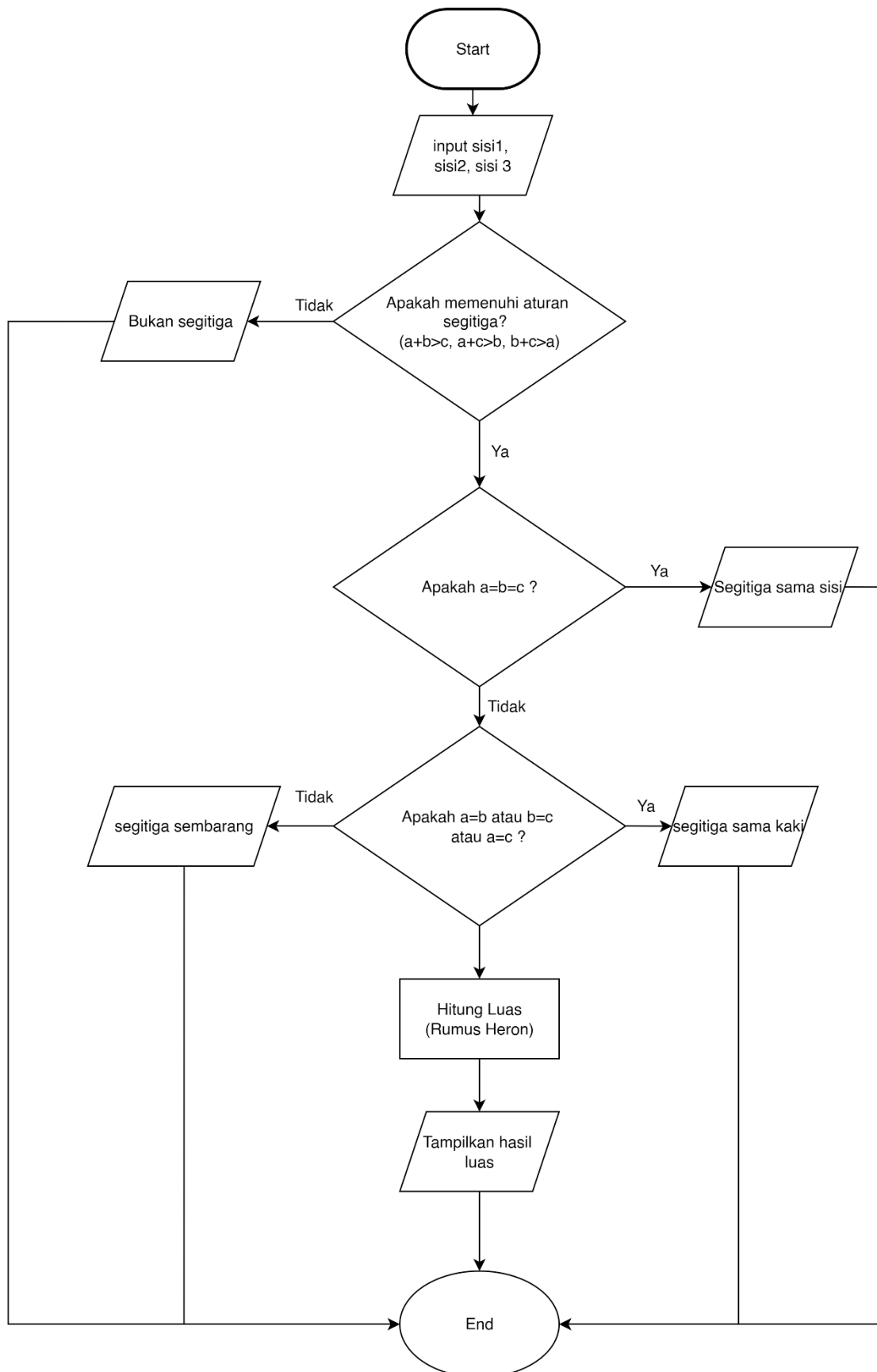
LAPORAN PRAKTIKUM
POSTTEST (3)
ALGORITMA PEMROGRAMAN DASAR



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PROGRAM STUDI INFORMATIKA
UNIVERSITAS MULAWARMAN
SAMARINDA
2025

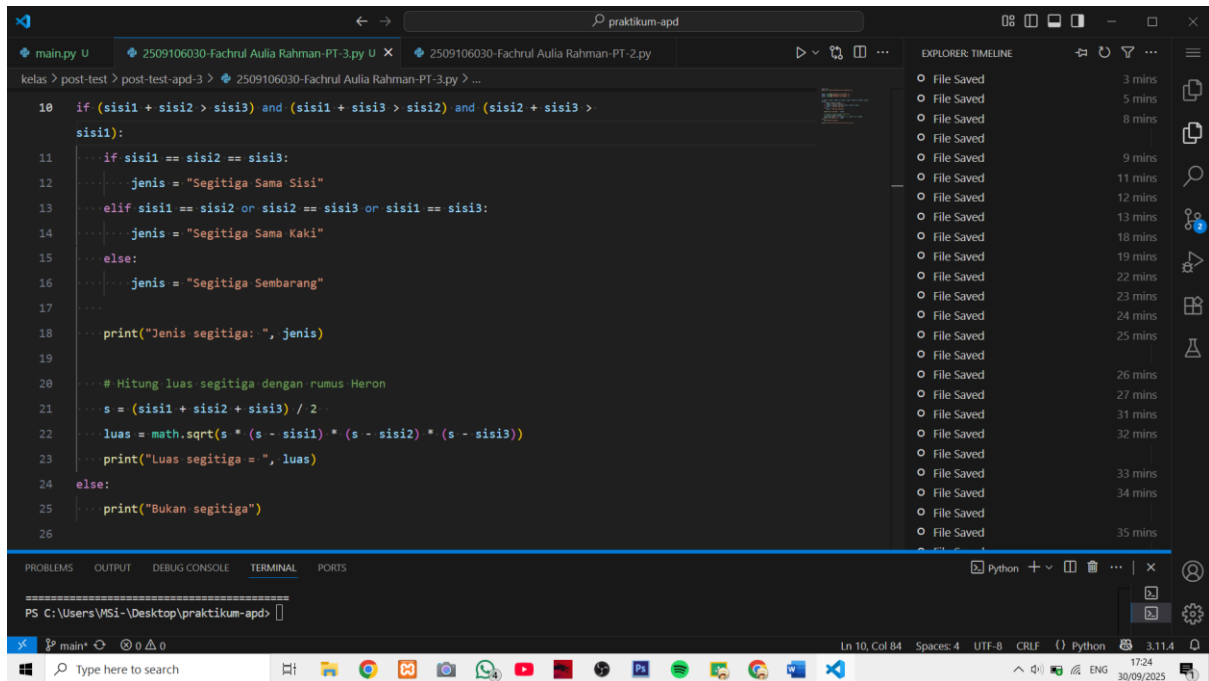
1. Flowchart



2. Deskripsi Singkat Program

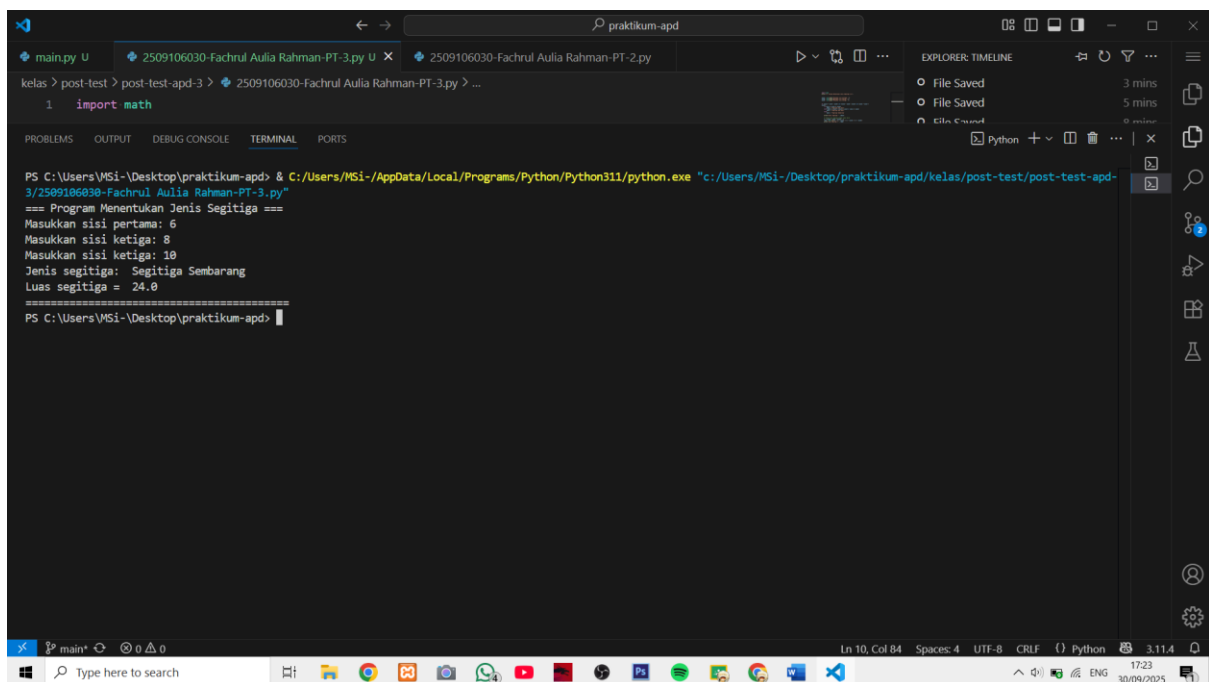
- Kegunaan dari program ini adalah untuk mencari apa jenis dari segitiga dan menghitung luasnya dari sisi-sisi yang diketahui.

3. Source Code



```
10 if (sisi1 + sisi2 > sisi3) and (sisi1 + sisi3 > sisi2) and (sisi2 + sisi3 >
    sisi1):
11     if sisi1 == sisi2 == sisi3:
12         jenis = "Segitiga Sama Sisi"
13     elif sisi1 == sisi2 or sisi2 == sisi3 or sisi1 == sisi3:
14         jenis = "Segitiga Sama Kaki"
15     else:
16         jenis = "Segitiga Sembarang"
17
18     print("Jenis segitiga: ", jenis)
19
20     # Hitung luas segitiga dengan rumus Heron
21     s = (sisi1 + sisi2 + sisi3) / 2
22     luas = math.sqrt(s * (s - sisi1) * (s - sisi2) * (s - sisi3))
23     print("Luas segitiga = ", luas)
24 else:
25     print("Bukan segitiga")
26
```

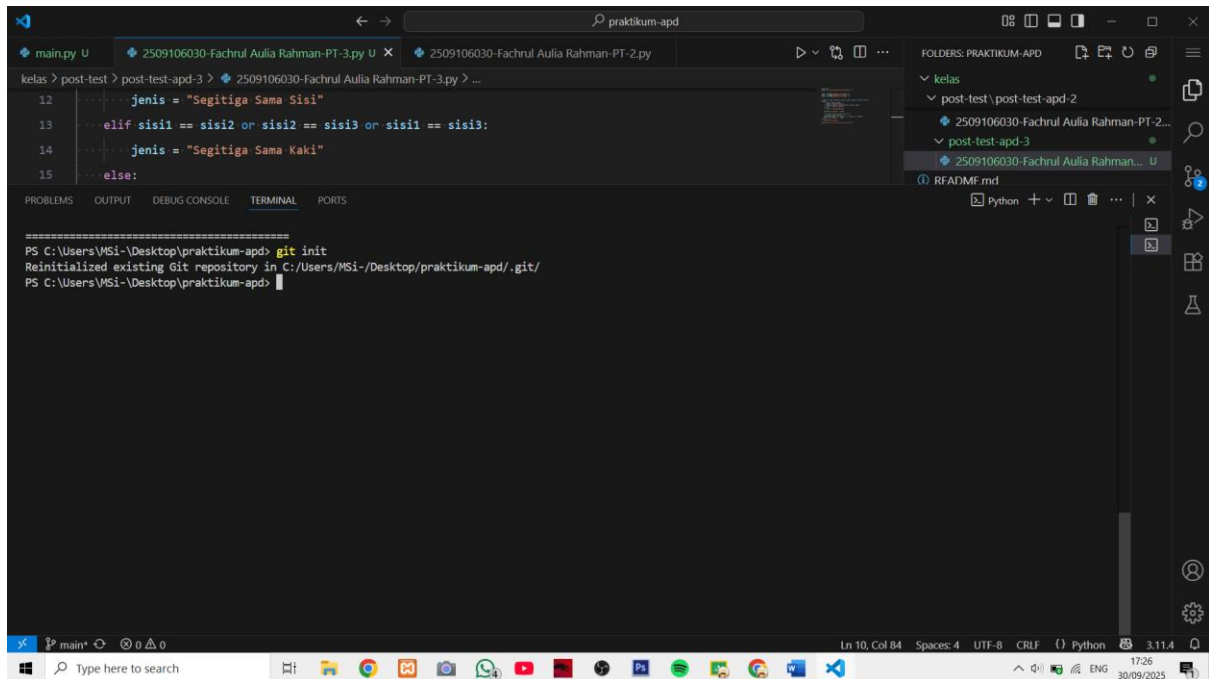
4. Hasil Output



```
PS C:\Users\MSI\Desktop\praktikum-apd> & C:/Users/MSI/AppData/Local/Programs/Python/Python311/python.exe "c:/Users/MSI/Desktop/praktikum-apd/kelas/post-test/post-test-apd-3/2509106030-Fachrul Aulia Rahman-PT-3.py"
== Program Menentukan Jenis Segitiga ==
Masukkan sisi pertama: 6
Masukkan sisi kedua: 8
Masukkan sisi ketiga: 10
Jenis segitiga: Segitiga Sembarang
Luas segitiga = 24.0
=====
PS C:\Users\MSI\Desktop\praktikum-apd>
```

5. Langkah-langkah GIT

5.1 GIT Init

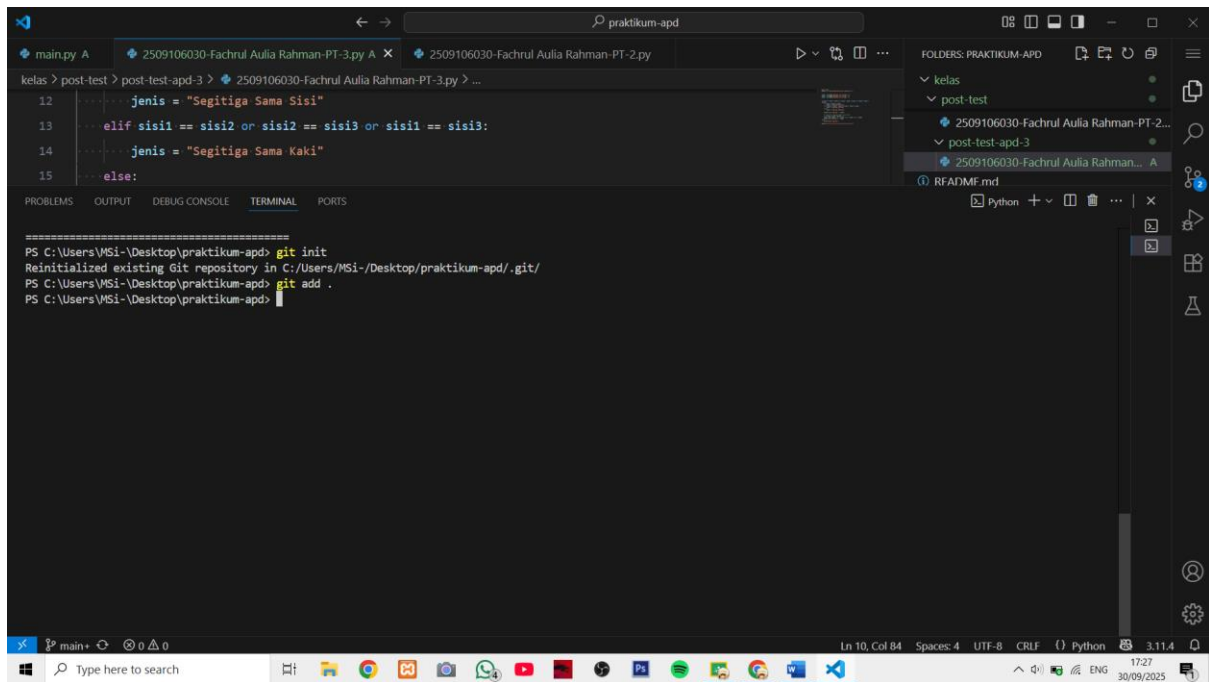


The screenshot shows a Visual Studio Code editor window with a Python file named `main.py` open. The file contains a simple conditional statement that checks the values of `sisil`, `sisil2`, and `sisil3` to determine the value of `jenis`. The terminal window at the bottom shows the command `git init` being executed, which initializes a new Git repository in the current directory.

```
12  ... jenis = "Segitiga Sama Sisi"
13  ... elif sisil == sisil2 or sisil2 == sisil3 or sisil == sisil3:
14  ...     jenis = "Segitiga Sama Kaki"
15  ... else:
```

```
=====
PS C:\Users\MSI-\Desktop\praktikum-apd> git init
Reinitialized existing Git repository in C:\Users\MSI-\Desktop\praktikum-apd/.git/
PS C:\Users\MSI-\Desktop\praktikum-apd>
```

5.2 GIT Add

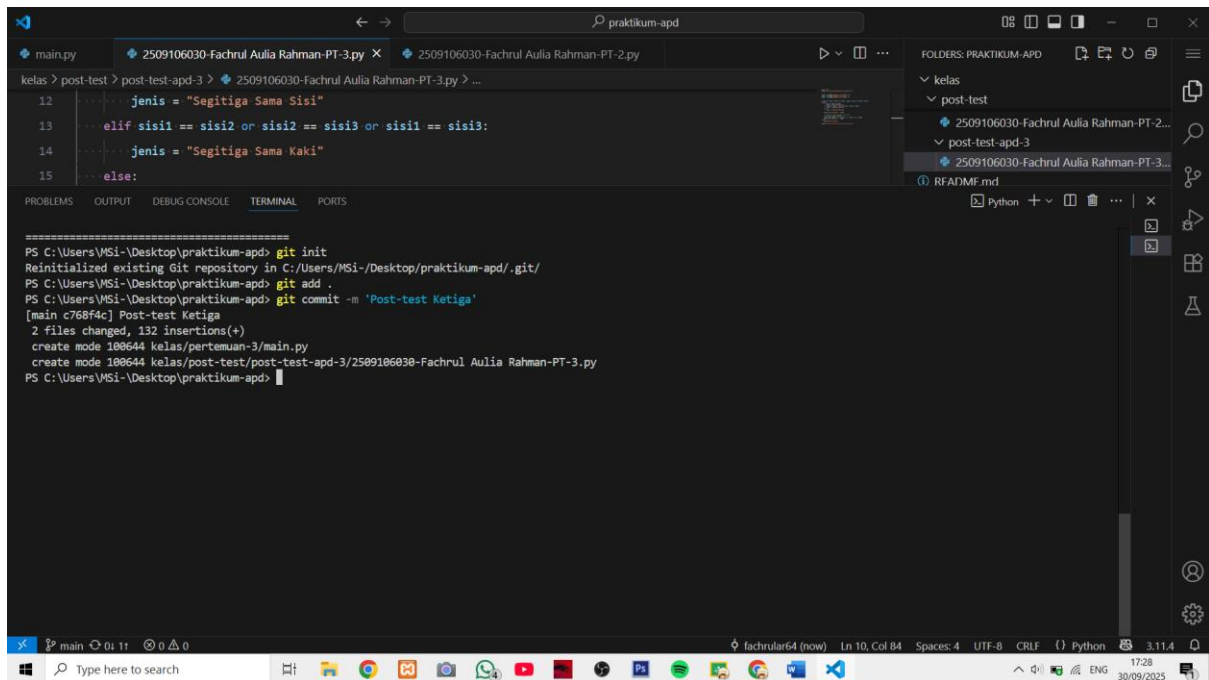


The screenshot shows the Visual Studio Code interface with a Python file named `main.py` open. The file contains a simple conditional statement that prints "Segitiga Sama Sisi" or "Segitiga Sama Kaki" based on the values of `sisil`, `sisil2`, and `sisil3`. The terminal window at the bottom shows the following commands and output:

```
PS C:\Users\MSI\Desktop\praktikum-apd> git init
Reinitialized existing Git repository in C:/Users/MSI/Desktop/praktikum-apd/.git/
PS C:\Users\MSI\Desktop\praktikum-apd> git add .
PS C:\Users\MSI\Desktop\praktikum-apd>
```

The Explorer sidebar on the right shows the project structure: `praktikum-apd` (root) contains `kelas`, `post-test`, `post-test-apd-3`, and `RFADMF.mdi`.

5.3 GIT Commit

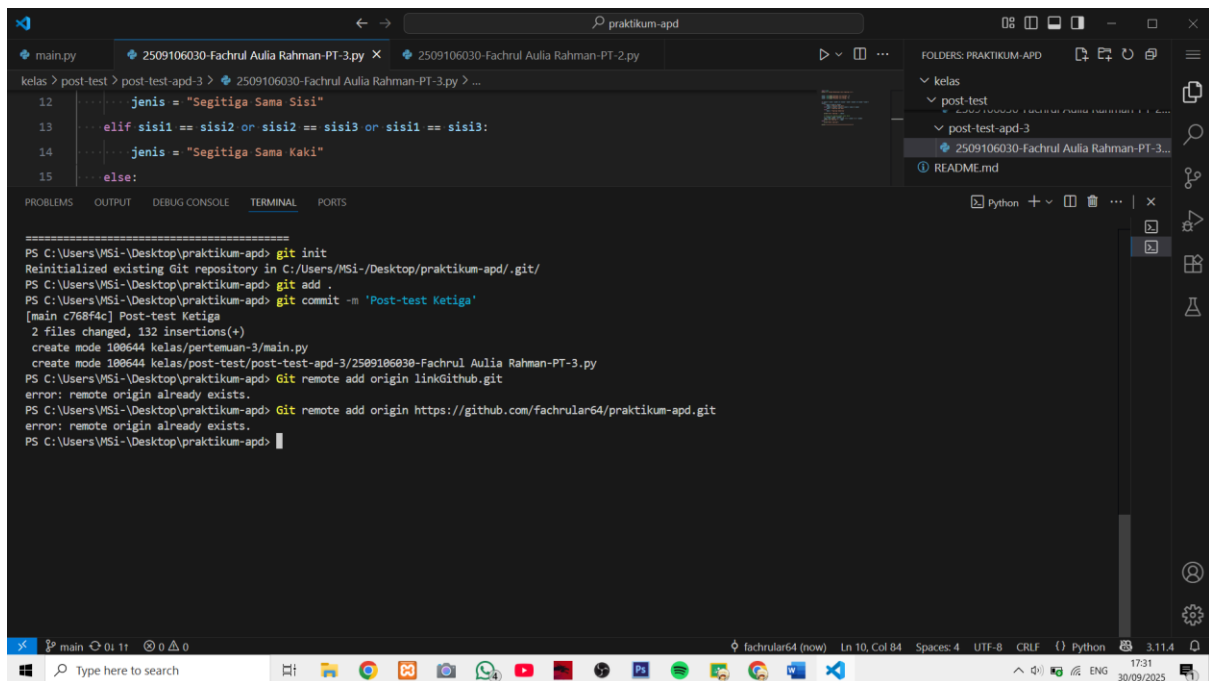


The screenshot shows the Visual Studio Code interface with the same Python file `main.py` open. The terminal window now shows the following commands and output:

```
PS C:\Users\MSI\Desktop\praktikum-apd> git init
Reinitialized existing Git repository in C:/Users/MSI/Desktop/praktikum-apd/.git/
PS C:\Users\MSI\Desktop\praktikum-apd> git add .
PS C:\Users\MSI\Desktop\praktikum-apd> git commit -m 'Post-test Ketiga'
[main c768f4c] Post-test Ketiga
2 files changed, 132 insertions(+)
create mode 100644 kelas/pertemuan-3/main.py
create mode 100644 kelas/post-test/post-test-apd-3/2509106030-Fachrul Aulia Rahman-PT-3.py
PS C:\Users\MSI\Desktop\praktikum-apd>
```

The Explorer sidebar on the right shows the project structure: `praktikum-apd` (root) contains `kelas`, `post-test`, `post-test-apd-3`, and `RFADMF.mdi`.

5.4 GIT Remote

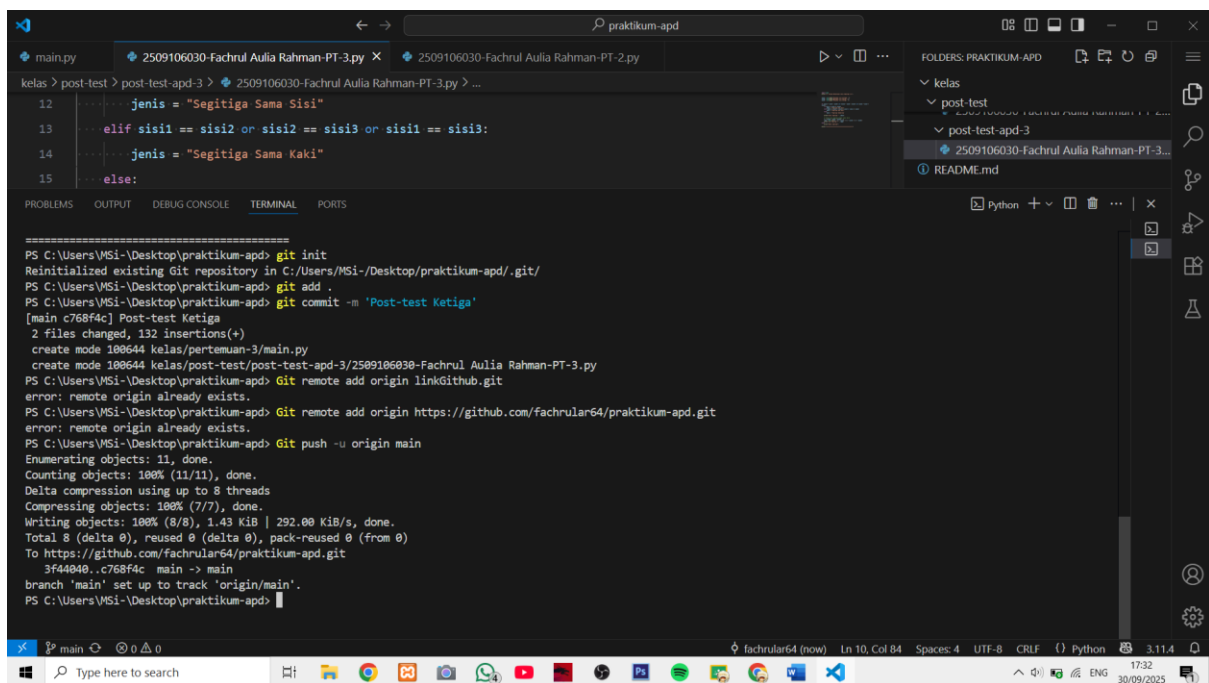


The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the following commands and output:

```
PS C:\Users\MSI\Desktop\praktikum-apd> git init
Reinitialized existing Git repository in C:\Users\MSI\Desktop\praktikum-apd/.git/
PS C:\Users\MSI\Desktop\praktikum-apd> git add .
PS C:\Users\MSI\Desktop\praktikum-apd> git commit -m 'Post-test Ketiga'
[main c768f4c] Post-test Ketiga
2 files changed, 132 insertions(+)
create mode 100644 kelas/pertemuan-3/main.py
create mode 100644 kelas/post-test/post-test-apd-3/2509106030-Fachrul Aulia Rahman-PT-3.py
PS C:\Users\MSI\Desktop\praktikum-apd> git remote add origin linkGithub.git
error: remote origin already exists.
PS C:\Users\MSI\Desktop\praktikum-apd> git remote add origin https://github.com/fachrular64/praktikum-apd.git
error: remote origin already exists.
PS C:\Users\MSI\Desktop\praktikum-apd>
```

The file explorer on the right shows the project structure: `praktikum-apd` (root) contains `kelas` (folder) which contains `post-test` (folder) which contains `post-test-apd-3` (folder) which contains `2509106030-Fachrul Aulia Rahman-PT-3.py` (file) and `README.md` (file).

5.5 GIT Push



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the following commands and output:

```
PS C:\Users\MSI\Desktop\praktikum-apd> git init
Reinitialized existing Git repository in C:\Users\MSI\Desktop\praktikum-apd/.git/
PS C:\Users\MSI\Desktop\praktikum-apd> git add .
PS C:\Users\MSI\Desktop\praktikum-apd> git commit -m 'Post-test Ketiga'
[main c768f4c] Post-test Ketiga
2 files changed, 132 insertions(+)
create mode 100644 kelas/pertemuan-3/main.py
create mode 100644 kelas/post-test/post-test-apd-3/2509106030-Fachrul Aulia Rahman-PT-3.py
PS C:\Users\MSI\Desktop\praktikum-apd> git remote add origin linkGithub.git
error: remote origin already exists.
PS C:\Users\MSI\Desktop\praktikum-apd> git remote add origin https://github.com/fachrular64/praktikum-apd.git
error: remote origin already exists.
PS C:\Users\MSI\Desktop\praktikum-apd> git push -u origin main
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (8/8), 1.43 KiB | 292.00 KiB/s, done.
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/fachrular64/praktikum-apd.git
3f44040..c768f4c main -> main
branch 'main' set up to track 'origin/main'.
PS C:\Users\MSI\Desktop\praktikum-apd>
```

The file explorer on the right shows the project structure: `praktikum-apd` (root) contains `kelas` (folder) which contains `post-test` (folder) which contains `post-test-apd-3` (folder) which contains `2509106030-Fachrul Aulia Rahman-PT-3.py` (file) and `README.md` (file).