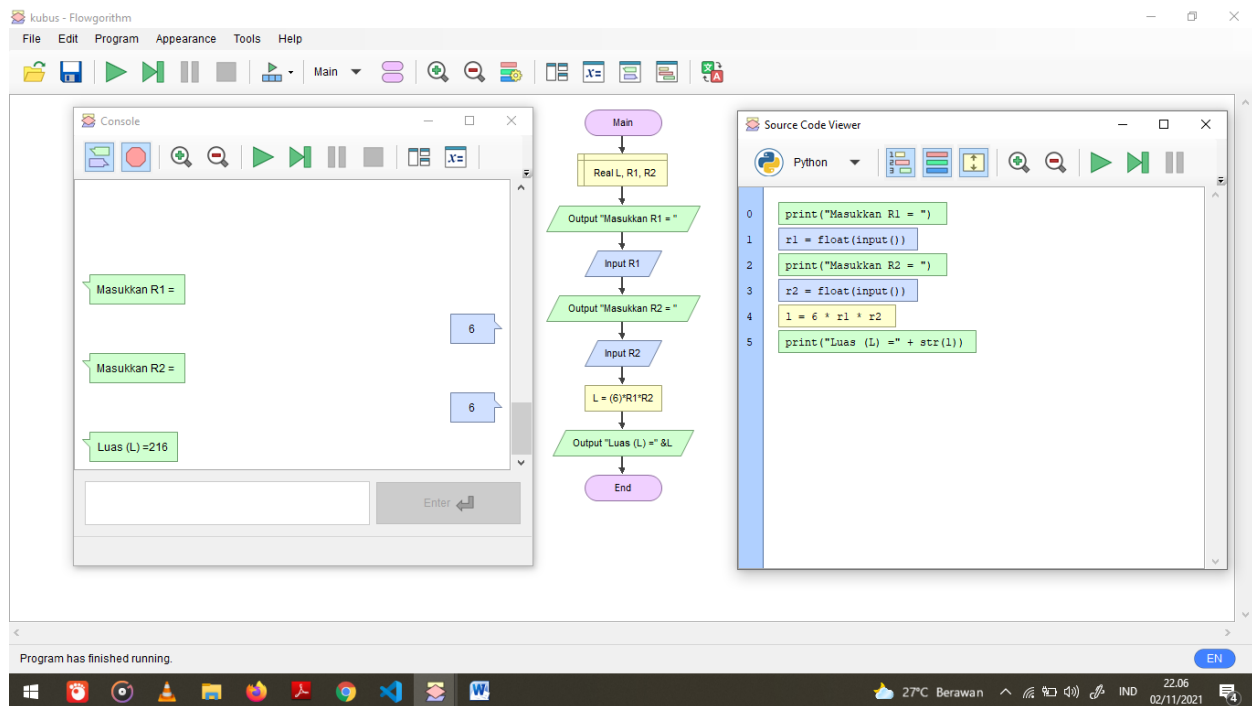


NAMA : GUSLINA TRI SANTIKA  
NIM : 20.01.013.049  
KELAS : ARTIFICIAL INTELLIGENCE – 3B

## TUGAS PRAKTIKUM V

- KUBUS
  - Rumus Luas :



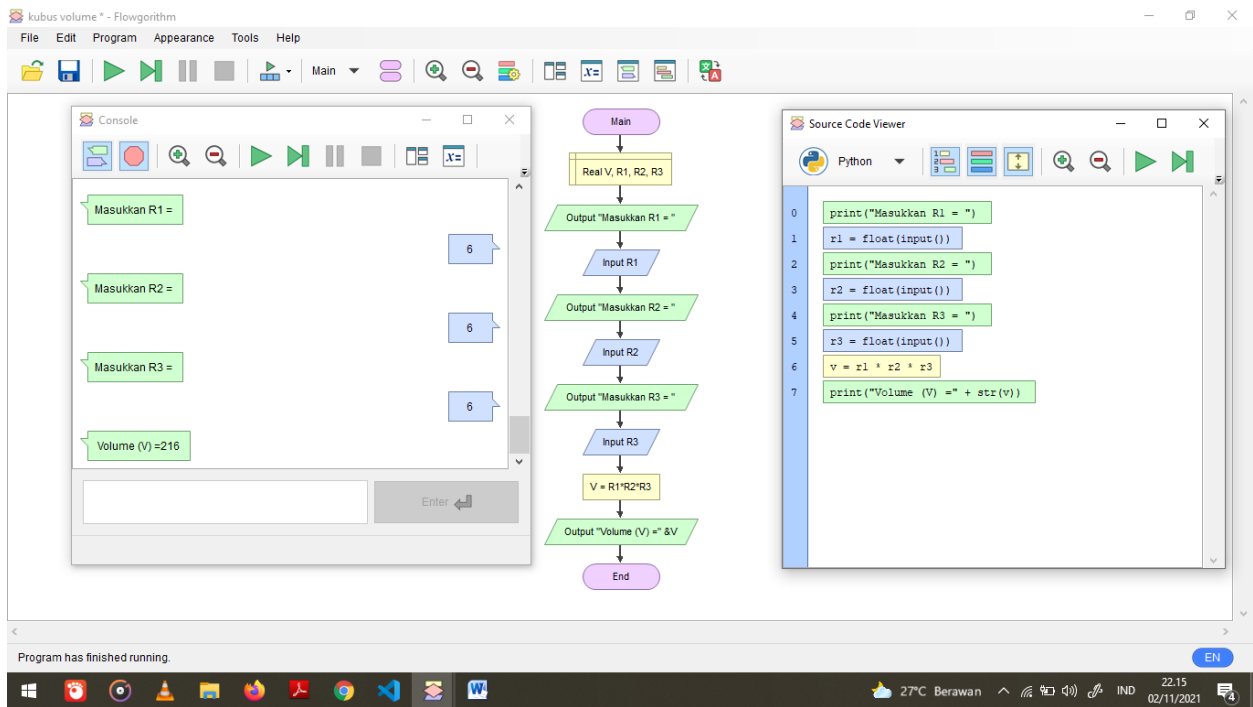
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named `guslinats.py`. The main editor displays the following Python code:

```
1 print("Masukkan R1 = ")
2 r1 = float(input())
3 print("Masukkan R2 = ")
4 r2 = float(input())
5 l = 6 * r1 * r2
6 print("Luas (L) =" + str(l))
7
```

The TERMINAL pane at the bottom shows the execution of the script using Python 3.10.0. The output is:

```
PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan R1 = 6
Masukkan R2 = 6
Luas (L) =216.0
PS C:\Users\ACER>
```

- Rumus Volume (ISI) :



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named `guslinats.py`. The main editor displays the following Python code:

```

1 print("Masukkan R1 = ")
2 r1 = float(input())
3 print("Masukkan R2 = ")
4 r2 = float(input())
5 print("Masukkan R3 = ")
6 r3 = float(input())
7 v = r1 * r2 * r3
8 print("Volume (V) = " + str(v))
9

```

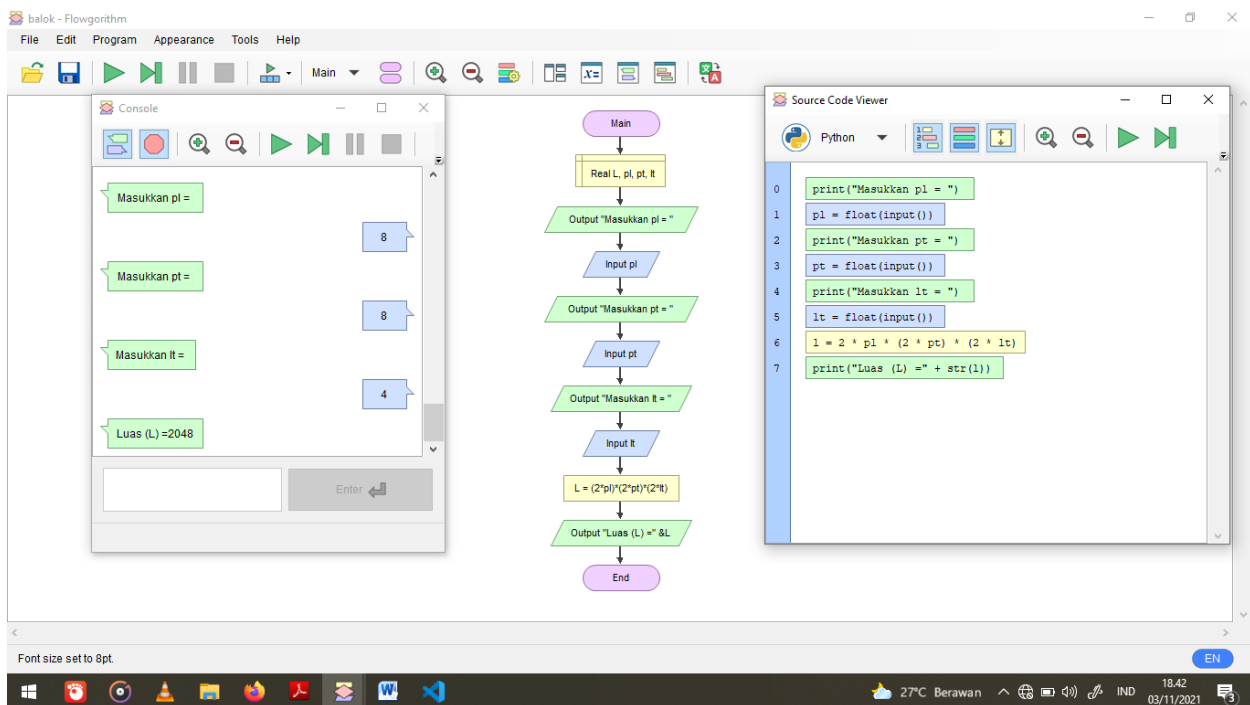
The TERMINAL pane at the bottom shows the execution of the script using Python 3.10.0. The output is as follows:

```

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan R1 = 6
Masukkan R2 = 6
Masukkan R3 = 6
Volume (V) =216.0
PS C:\Users\ACER>

```

- **BALOK**
  - Rumus Luas :



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left indicates 'NO FOLDER OPENED'. The main editor displays the file `guslinats.py` with the following code:

```

1 print("Masukkan p1 = ")
2 p1 = float(input())
3 print("Masukkan pt = ")
4 pt = float(input())
5 print("Masukkan lt = ")
6 lt = float(input())
7 l = 2 * p1 * (2 * pt) * (2 * lt)
8 print("Luas (L) =" + str(l))
9

```

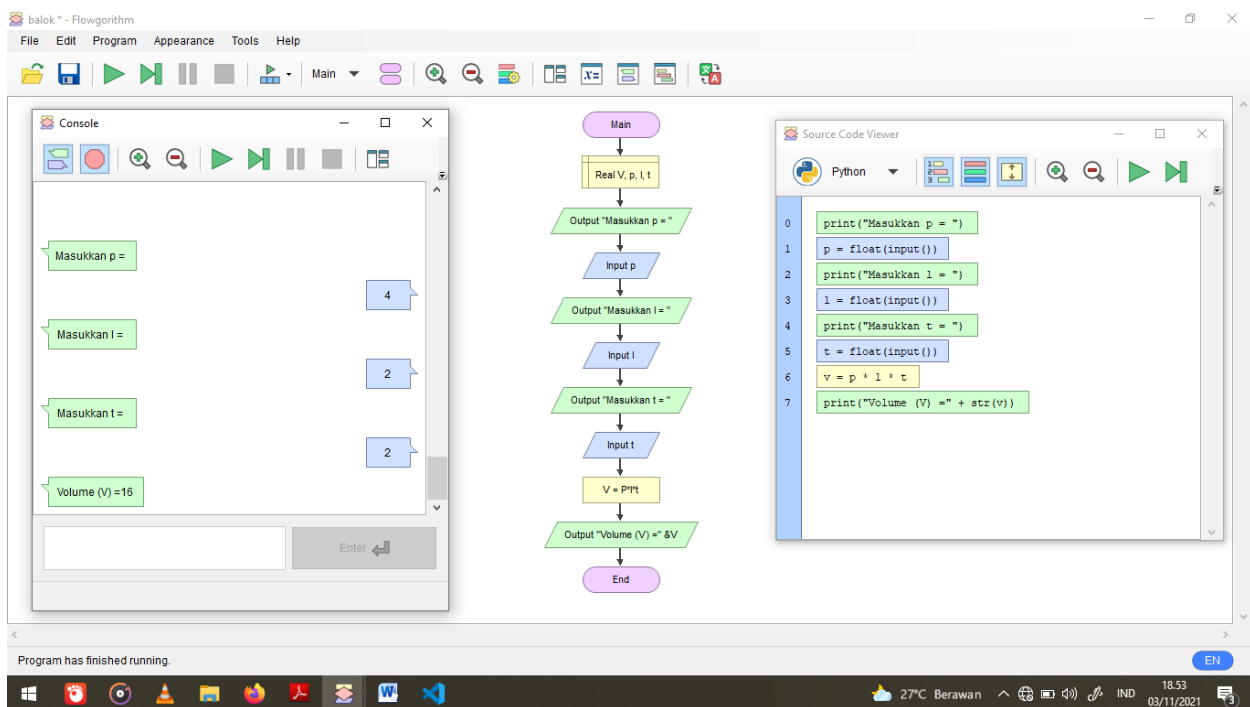
The TERMINAL pane at the bottom shows the execution of the script using Python 3.10.0. The output is as follows:

```

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan p1 = 8
Masukkan pt = 8
Masukkan lt = 4
Luas (L) =2048.0
PS C:\Users\ACER>

```

- Rumus Volume (ISI) :



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left indicates 'NO FOLDER OPENED'. The main editor displays the file `guslinats.py` with the following code:

```

1 print("Masukkan p = ")
2 p = float(input())
3 print("Masukkan l = ")
4 l = float(input())
5 print("Masukkan t = ")
6 t = float(input())
7 v = p * l * t
8 print("Volume (V) =" + str(v))
9

```

The TERMINAL panel at the bottom shows the execution of the script using `python.exe`. The output is as follows:

```

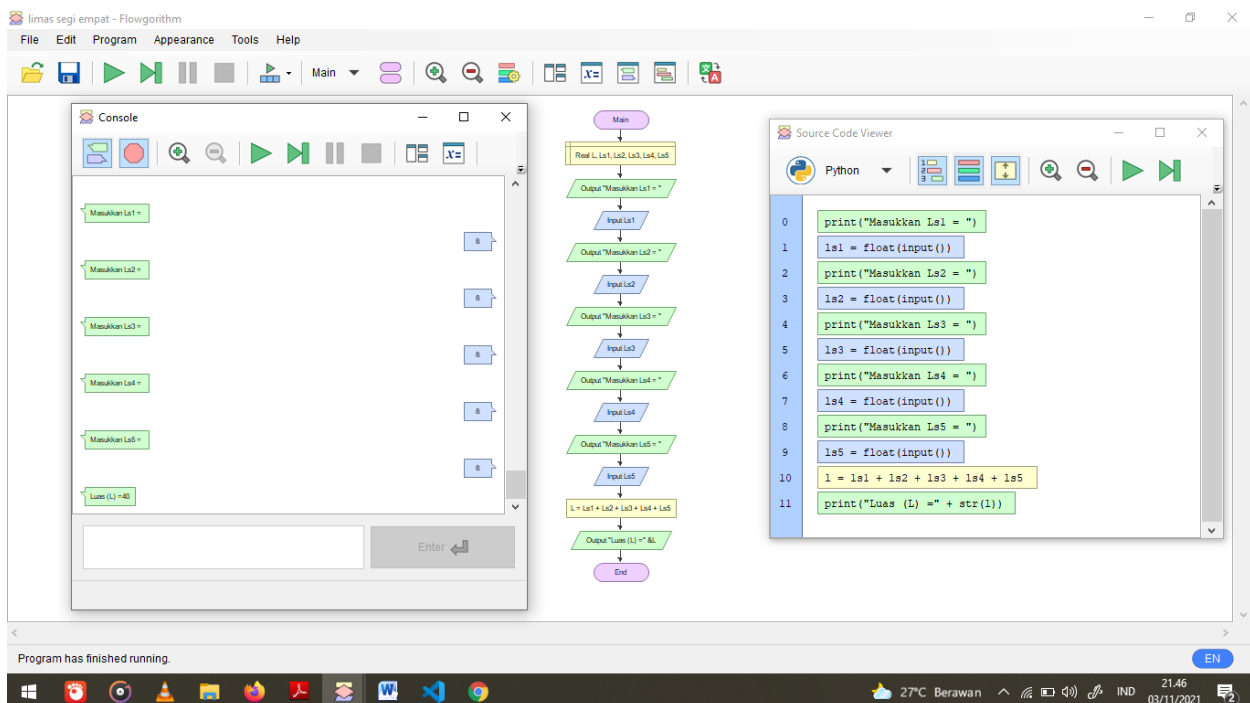
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Masukkan p =
4
Masukkan l =
2
Masukkan t =
2
Volume (V) =16.0
PS C:\Users\ACER>

```

- **LIMAS SEGIEMPAT**  
- Rumus Luas :



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left indicates 'NO FOLDER OPENED'. The main editor displays the file `guslinats.py` with the following code:

```

1 print("Masukkan Ls1 = ")
2 ls1 = float(input())
3 print("Masukkan Ls2 = ")
4 ls2 = float(input())
5 print("Masukkan Ls3 = ")
6 ls3 = float(input())
7 print("Masukkan Ls4 = ")
8 ls4 = float(input())
9 print("Masukkan Ls5 = ")
10 ls5 = float(input())
11 l = ls1 + ls2 + ls3 + ls4 + ls5
12 print("Luas (L) =" + str(l))

```

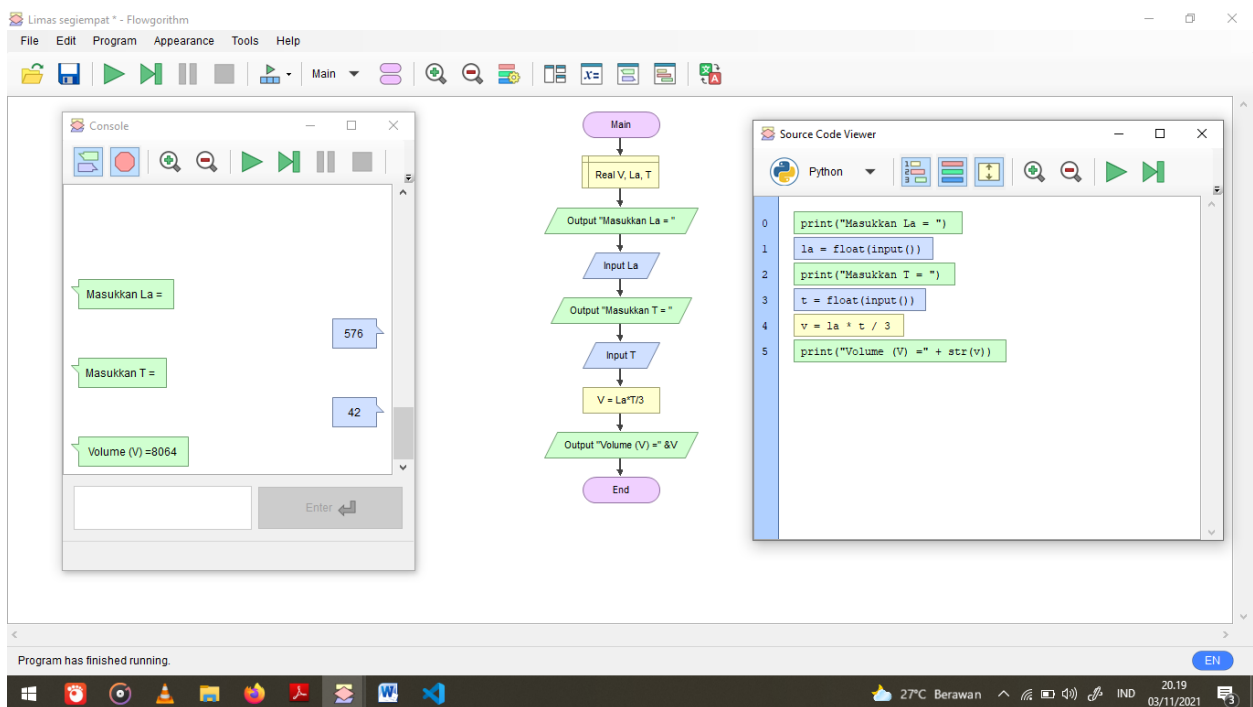
The TERMINAL panel at the bottom shows the execution of the script in a Windows PowerShell environment. The output is as follows:

```

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan Ls1 = 8
Masukkan Ls2 = 8
Masukkan Ls3 = 8
Masukkan Ls4 = 8
Masukkan Ls5 = 8
Luas (L) =40.0
PS C:\Users\ACER>

```

- Rumus Volume (ISI) :



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left indicates 'NO FOLDER OPENED'. The main editor displays the file `guslinats.py` with the following code:

```

1 print("Masukkan La = ")
2 la = float(input())
3 print("Masukkan T = ")
4 t = float(input())
5 v = la * t / 3
6 print("Volume (V) =" + str(v))
7

```

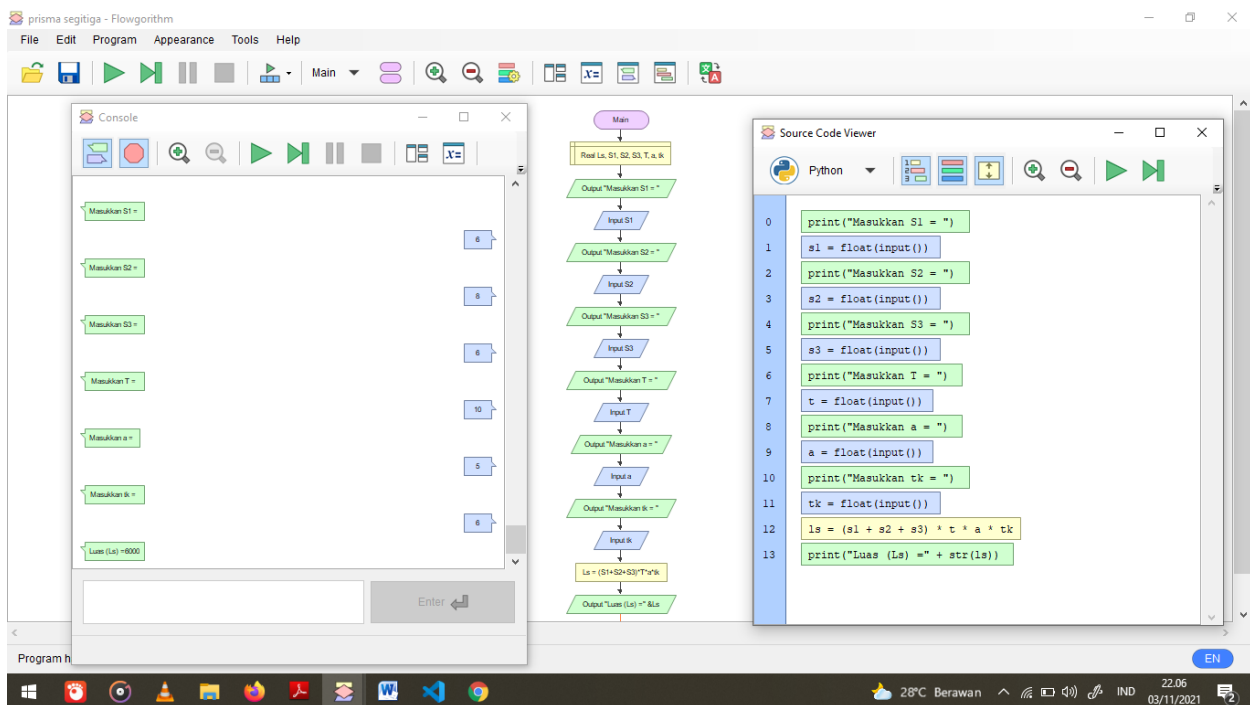
The TERMINAL panel at the bottom shows the execution of the script using Python 3.10.0. The user inputs 576 for 'Masukkan La' and 42 for 'Masukkan T'. The output is 'Volume (V) =8864.0'.

```

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan La =
576
Masukkan T =
42
Volume (V) =8864.0
PS C:\Users\ACER>

```

- **PRISMA SEGITIGA**
  - Rumus Luas :



```

3 print("Masukkan S2 = ")
4 s2 = float(input())
5 print("Masukkan S3 = ")
6 s3 = float(input())
7 print("Masukkan T = ")
8 t = float(input())
9 print("Masukkan a = ")
10 a = float(input())
11 print("Masukkan tk = ")
12 tk = float(input())
13 ls = (s1 + s2 + s3) * t * a * tk
14 print("Luas (Ls) =" + str(ls))

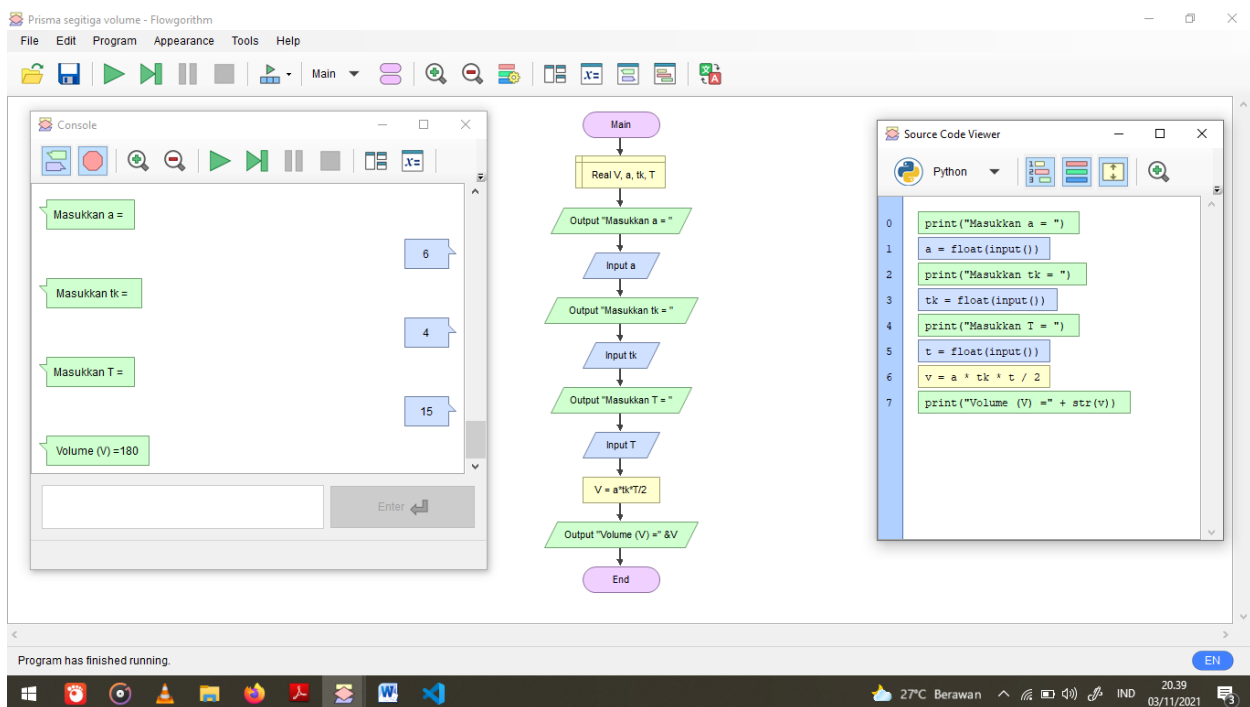
```

```

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan S1 =
6
Masukkan S2 =
8
Masukkan S3 =
6
Masukkan T =
10
Masukkan a =
8
Masukkan tk =
6
Luas (Ls) =9600.0
PS C:\Users\ACER>

```

- Rumus Volume (ISI) :





```

C:\Users\ACER> guslinats.py
1 print("Masukkan a = ")
2 a = float(input())
3 print("Masukkan tk = ")
4 tk = float(input())
5 print("Masukkan T = ")
6 t = float(input())
7 v = a * tk * t / 2
8 print("Volume (V) =" + str(v))
9

```

```

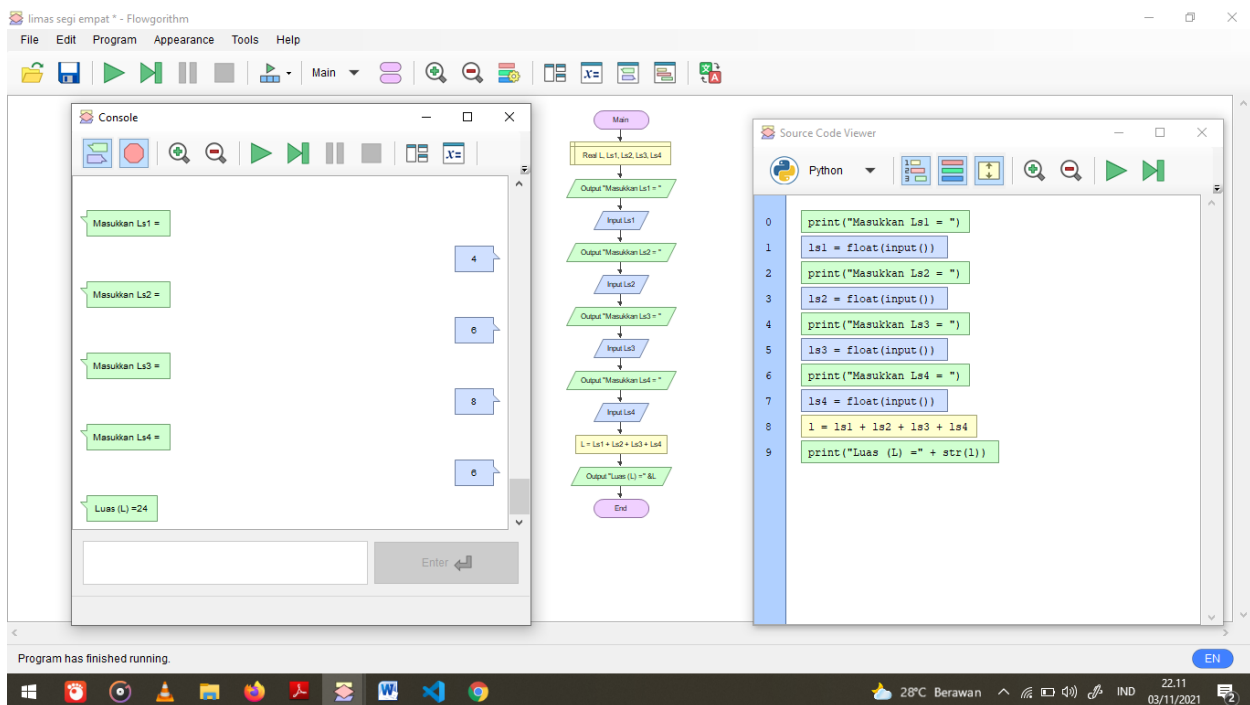
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:/Users/ACER/guslinats.py
Masukkan a =
6
Masukkan tk =
4
Masukkan T =
15
Volume (V) =180.0
PS C:\Users\ACER>

```

- **LIMAS SEGITIGA**
  - Rumus Luas :



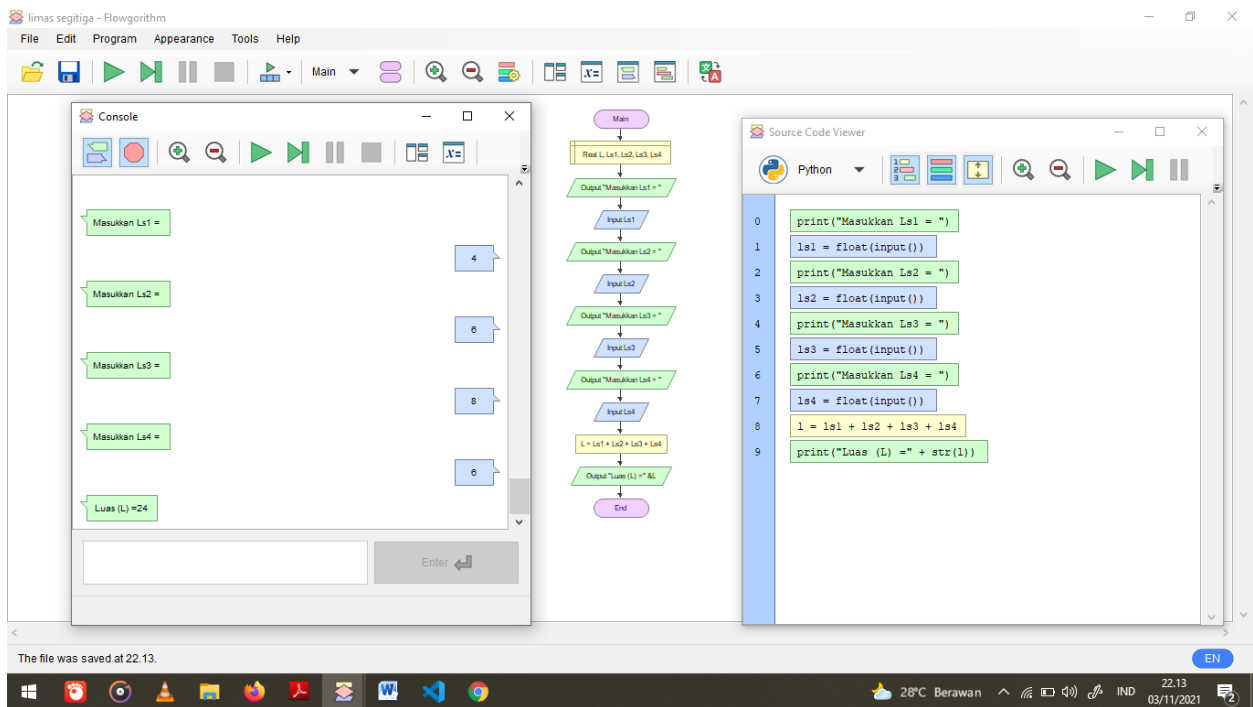
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named `guslinats.py`. The main editor displays the following Python code:

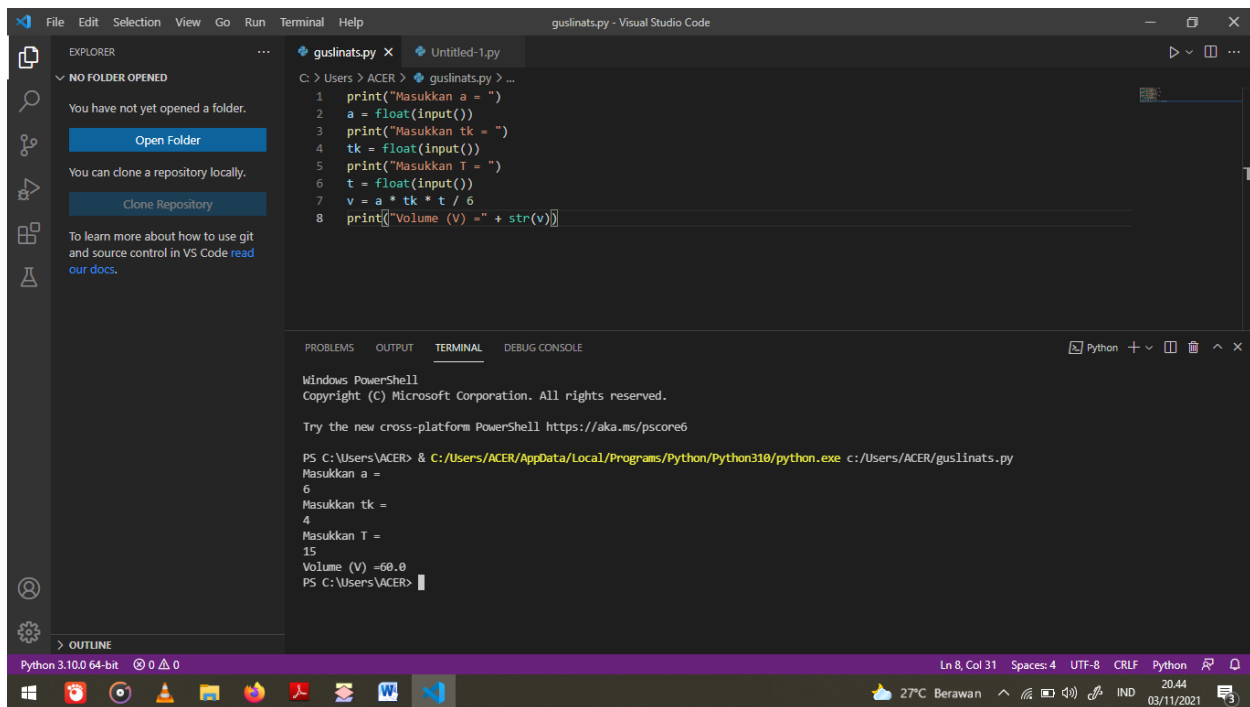
```
3 print("Masukkan Ls2 = ")
4 ls2 = float(input())
5 print("Masukkan Ls3 = ")
6 ls3 = float(input())
7 print("Masukkan Ls4 = ")
8 ls4 = float(input())
9 l = ls1 + ls2 + ls3 + ls4
10 print("Luas (L) =" + str(l))
```

The TERMINAL pane at the bottom shows the execution of the script using Python 3.10.0. The output is as follows:

```
PS C:\Users\VACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan Ls1 =
4
Masukkan Ls2 =
6
Masukkan Ls3 =
8
Masukkan Ls4 =
6
Luas (L) =24.0
PS C:\Users\VACER>
```

- Rumus Volume (ISI) :

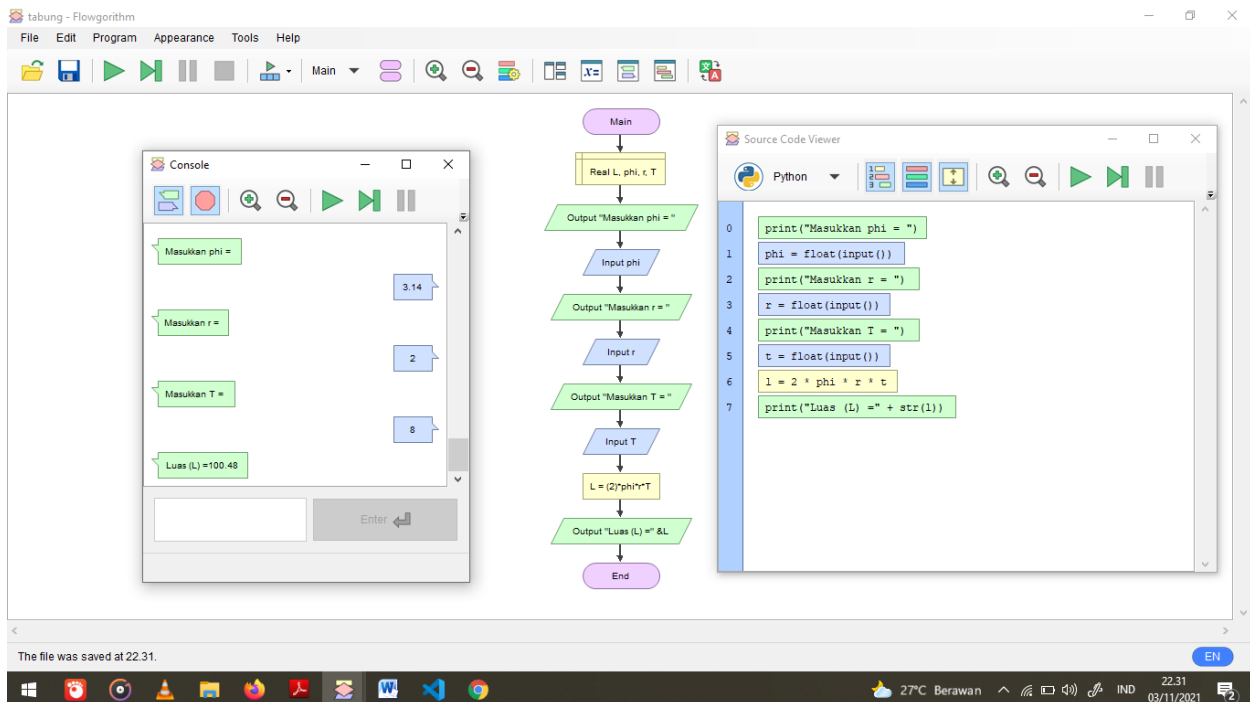




- **SELINDER (TABUNG)**

- Rumus Luas :

Luas selimut

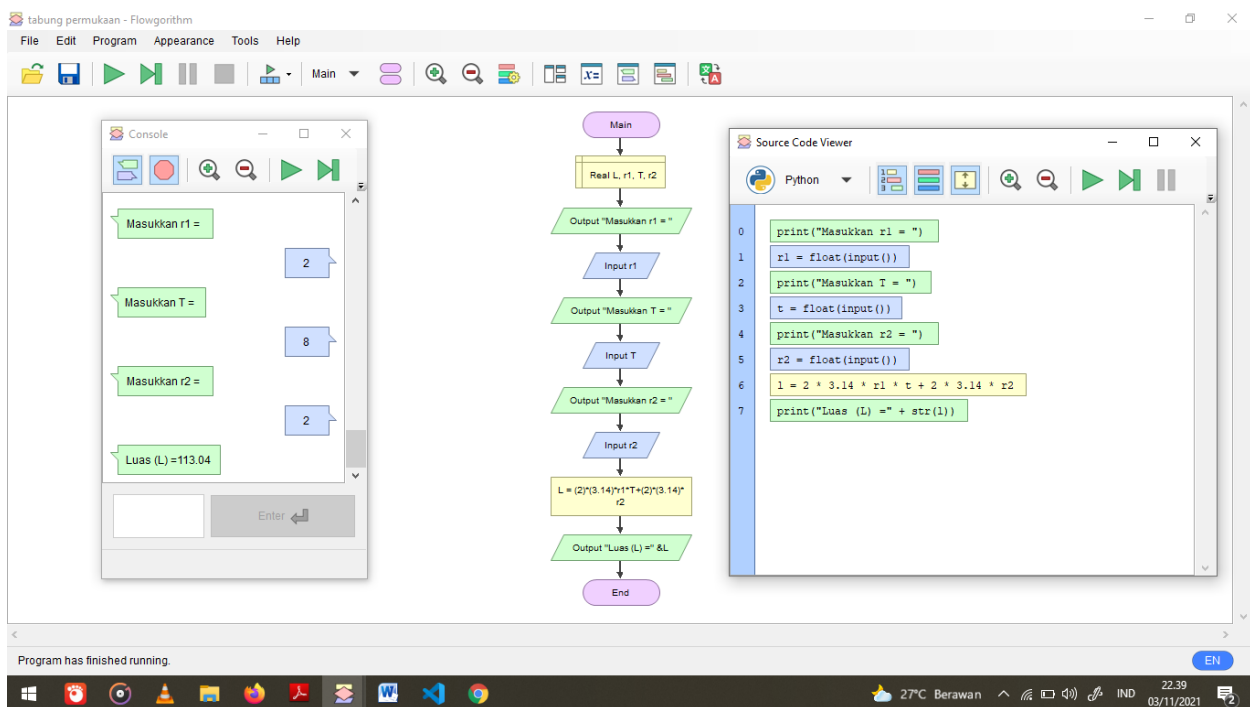


The screenshot shows the Visual Studio Code interface. The Explorer panel on the left indicates 'NO FOLDER OPENED'. The main editor displays the file `guslinats.py` with the following code:

```
1 print("Masukkan r = ")
2 r = float(input())
3 print("Masukkan T = ")
4 t = float(input())
5 l = 2 * phi * r * t
6 print("Luas (L) =" + str(l))
```

The TERMINAL panel at the bottom shows the execution of the script using Python 3.10.0. The user inputs `3.14` for `r` and `8` for `T`, resulting in `Luas (L) ~100.48`.

## Luas permukaan



```

guslinats.py
3 print("Masukkan T = ")
4 t = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 l = 2 * 3.14 * r1 * t + 2 * 3.14 * r2
8 print("Luas (L) =" + str(l))
9

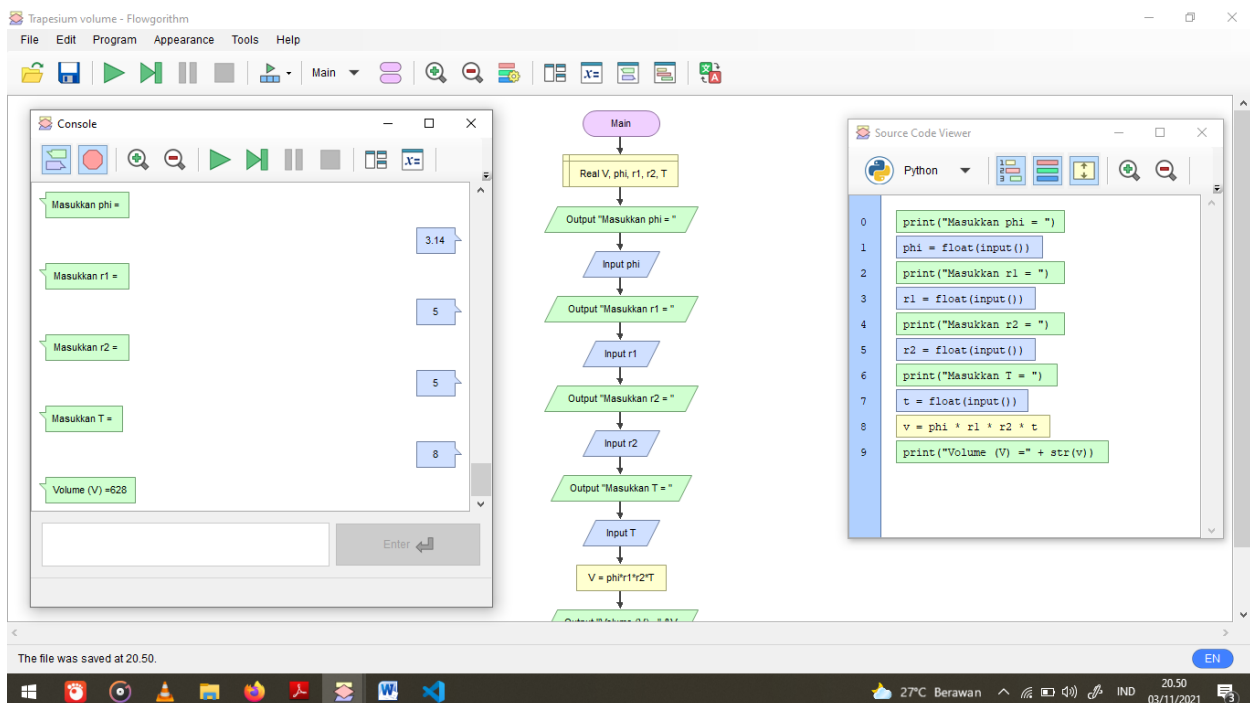
TERMINAL
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Masukkan r1 = 2
Masukkan T = 8
Masukkan r2 = 2
Luas (L) ~113.04
PS C:\Users\ACER>

```

- Rumus Volume (ISI) :



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left indicates 'NO FOLDER OPENED'. The main editor displays the file `guslinats.py` with the following Python code:

```

1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r1 = ")
4 r1 = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 print("Masukkan T = ")
8 t = float(input())
9 v = phi * r1 * r2 * t
10 print("Volume (V) =" + str(v))
11

```

The TERMINAL panel at the bottom shows the execution of the script in a Windows PowerShell environment. The output is as follows:

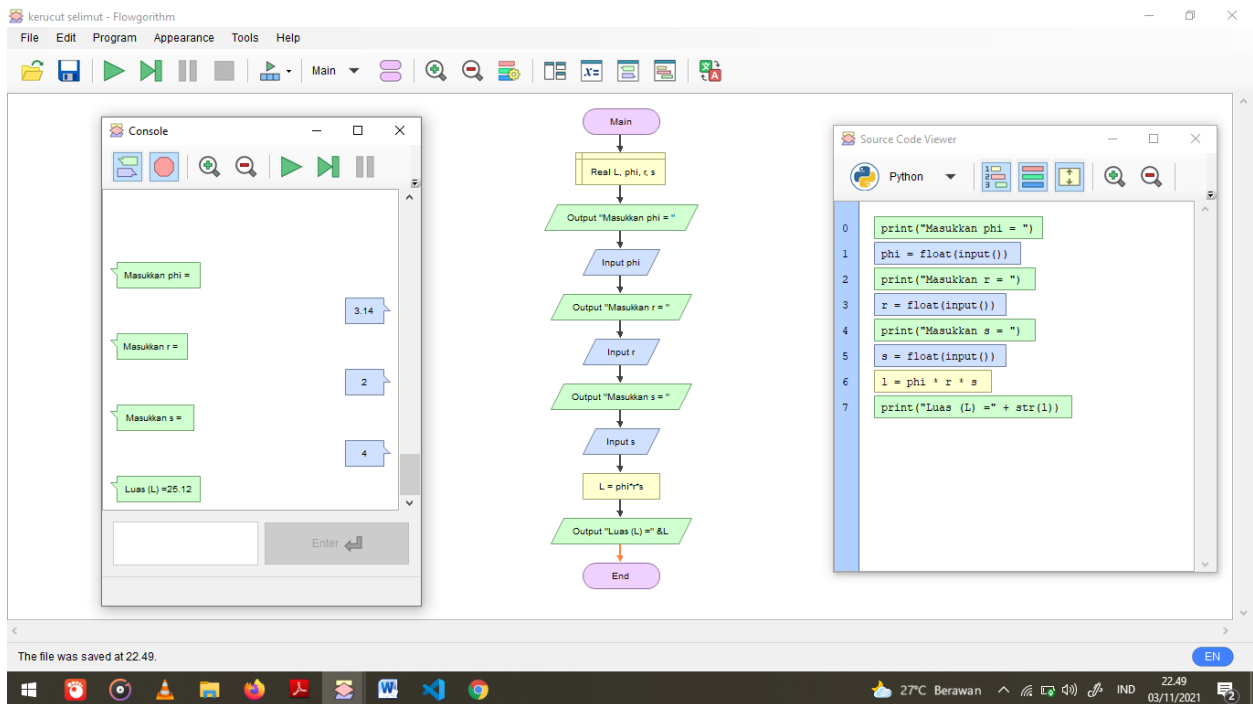
```

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan phi = 3.14
Masukkan r1 = 5
Masukkan r2 = 5
Masukkan T = 8
Volume (V) =628.0
PS C:\Users\ACER>

```

- **KERUCUT**
  - Rumus Luas :

Luas selimut



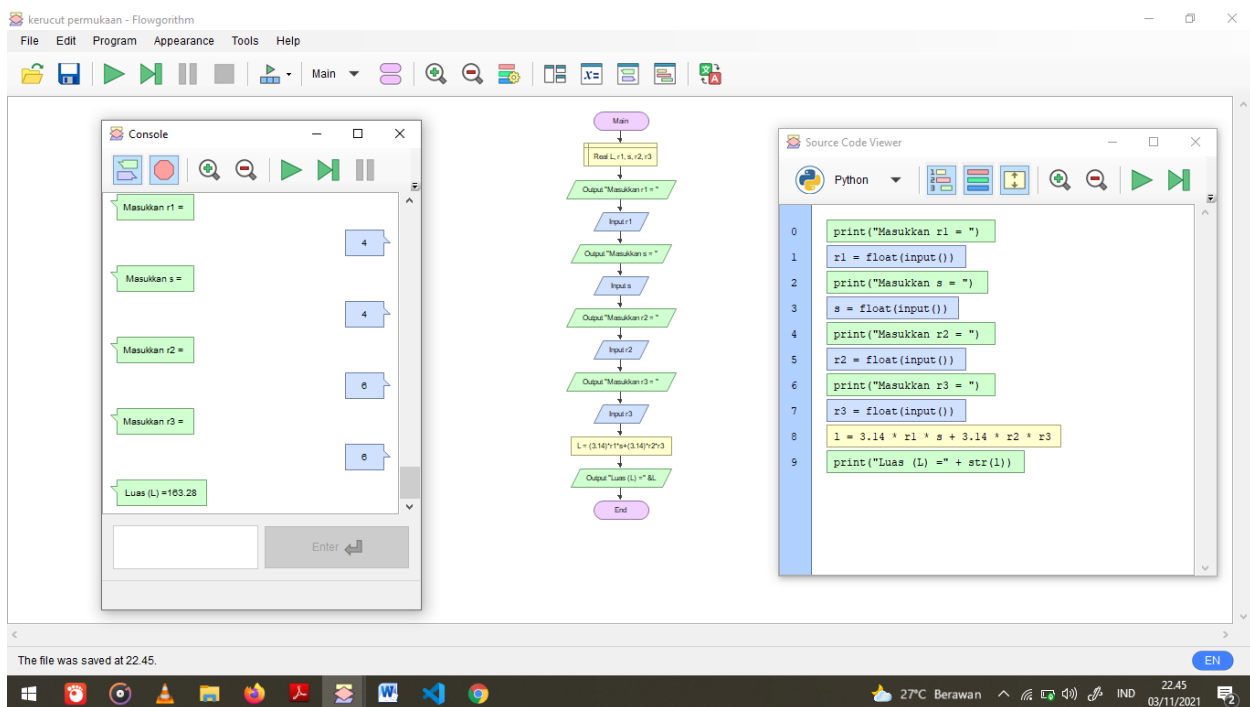
```
guslinats.py
3 print("Masukkan r = ")
4 r = float(input())
5 print("Masukkan s = ")
6 s = float(input())
7 l = phi * r * s
8 print("Luas (L) =" + str(l))
9
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\ACER> & C:/Users/ACER/AppData/Local/Programs/Python/Python310/python.exe c:/Users/ACER/guslinats.py
Masukkan phi =
3.14
Masukkan r =
2
Masukkan s =
4
Luas (L) ~25.12
PS C:\Users\ACER>
```

## Luas permukaan



```

File Edit Selection View Go Run Terminal Help
guslinats.py - Visual Studio Code

EXPLORER
NO FOLDER OPENED
You have not yet opened a folder.
Open Folder
You can clone a repository locally.
Clone Repository
To learn more about how to use git and source control in VS Code read our docs.

guslinats.py X Untitled-1.py
C:\Users\ACER> guslinats.py
3 print("Masukkan s = ")
4 s = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 print("Masukkan r3 = ")
8 r3 = float(input())
9 l = 3.14 * r1 * s + 3.14 * r2 * r3
10 print("Luas (L) =" + str(l))
11

TERMINAL
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/powershell

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan r1 =
4
Masukkan s =
4
Masukkan r2 =
6
Masukkan r3 =
6
Luas (L) ~163.28
PS C:\Users\ACER>

```

- Rumus Volume (ISI) :

kerucut volume - Flowgorithm

File Edit Program Appearance Tools Help

Console

```

Masukkan phi =
Masukkan r1 = 3.14
Masukkan r2 = 15
Masukkan T = 15
Volume (V) ~4710

```

Flowchart:

```

graph TD
    Main([Main]) --> ReadV[Read V, phi, r1, r2, T]
    ReadV --> OutputPhi[Output "Masukkan phi = "]
    OutputPhi --> InputPhi[/Input phi/]
    InputPhi --> OutputR1[Output "Masukkan r1 = "]
    OutputR1 --> InputR1[/Input r1/]
    InputR1 --> OutputR2[Output "Masukkan r2 = "]
    OutputR2 --> InputR2[/Input r2/]
    InputR2 --> OutputT[Output "Masukkan T = "]
    OutputT --> InputT[/Input T/]
    InputT --> CalcV[V = phi * r1 * r2 * T / 3]
    CalcV --> OutputV[Output "Volume (V) =" + BV]
    OutputV --> End([End])

```

Source Code Viewer

```

Python
0 print("Masukkan phi = ")
1 phi = float(input())
2 print("Masukkan r1 = ")
3 r1 = float(input())
4 print("Masukkan r2 = ")
5 r2 = float(input())
6 print("Masukkan T = ")
7 t = float(input())
8 v = phi * r1 * r2 * t / 3
9 print("Volume (V) =" + str(v))

```

Program has finished running.



The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named `guslinats.py`. The main editor displays the following Python code:

```

1 print("Masukkan phi = ")
2 phi = float(input())
3 print("Masukkan r1 = ")
4 r1 = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 print("Masukkan T = ")
8 t = float(input())
9 v = phi * r1 * r2 * t / 3
10 print("Volume (V) =" + str(v))

```

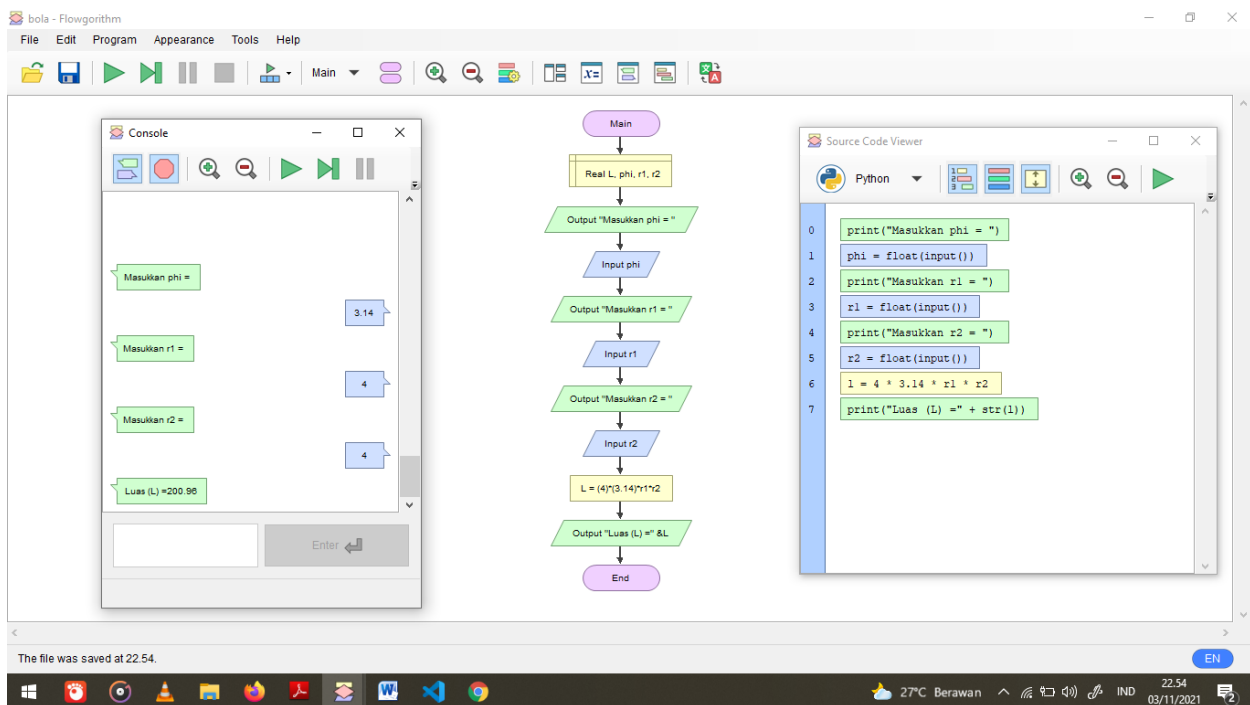
The TERMINAL pane at the bottom shows the execution of the script in a Windows PowerShell environment. The output is as follows:

```

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan phi = 3.14
Masukkan r1 = 15
Masukkan r2 = 15
Masukkan T = 20
Volume (V) =4710.0
PS C:\Users\ACER>

```

- **BOLA**
  - Rumus Luas :



The screenshot shows the Visual Studio Code interface. The Explorer panel on the left shows a file named `guslinats.py`. The main editor displays the following Python code:

```

3 print("Masukkan r1 = ")
4 r1 = float(input())
5 print("Masukkan r2 = ")
6 r2 = float(input())
7 l = 4 * 3.14 * r1 * r2
8 print("Luas (L) =" + str(l))
9

```

The TERMINAL panel at the bottom shows the execution of the script using the command:
`PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py`
The output of the script is:

```

Masukkan phi = 3.14
Masukkan r1 = 4
Masukkan r2 = 4
Luas (L) ~200.96
PS C:\Users\ACER>

```

- Rumus Volume (ISI) :

