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TUGAS PRAKTIKUM V

- KUBUS
 - Rumus Luas :

The screenshot displays a Python program for calculating the surface area of a cube. The interface consists of three main panels:

- Console:** Shows the execution output. It prompts for "Masukkan R1 =" and "Masukkan R2 =", both with input "6". The final output is "Luas (L) =216".
- Flowchart:** A visual representation of the program logic. It starts with a "Main" terminal, followed by a process box "Real L, R1, R2". It then branches into two output boxes: "Output 'Masukkan R1 =' " and "Input R1". This is followed by another output box: "Output 'Masukkan R2 =' " and "Input R2". The calculation process is shown as $L = (6) * R1 * R2$, followed by an output box "Output 'Luas (L) =' &L", and finally an "End" terminal.
- Source Code Viewer:** Displays the Python code used in the program:

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

At the bottom, a status bar indicates "Program has finished running." and the system tray shows the date and time as 02/11/2021, 22:06.

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:

```

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 panel at the bottom shows the execution of the script using PowerShell:

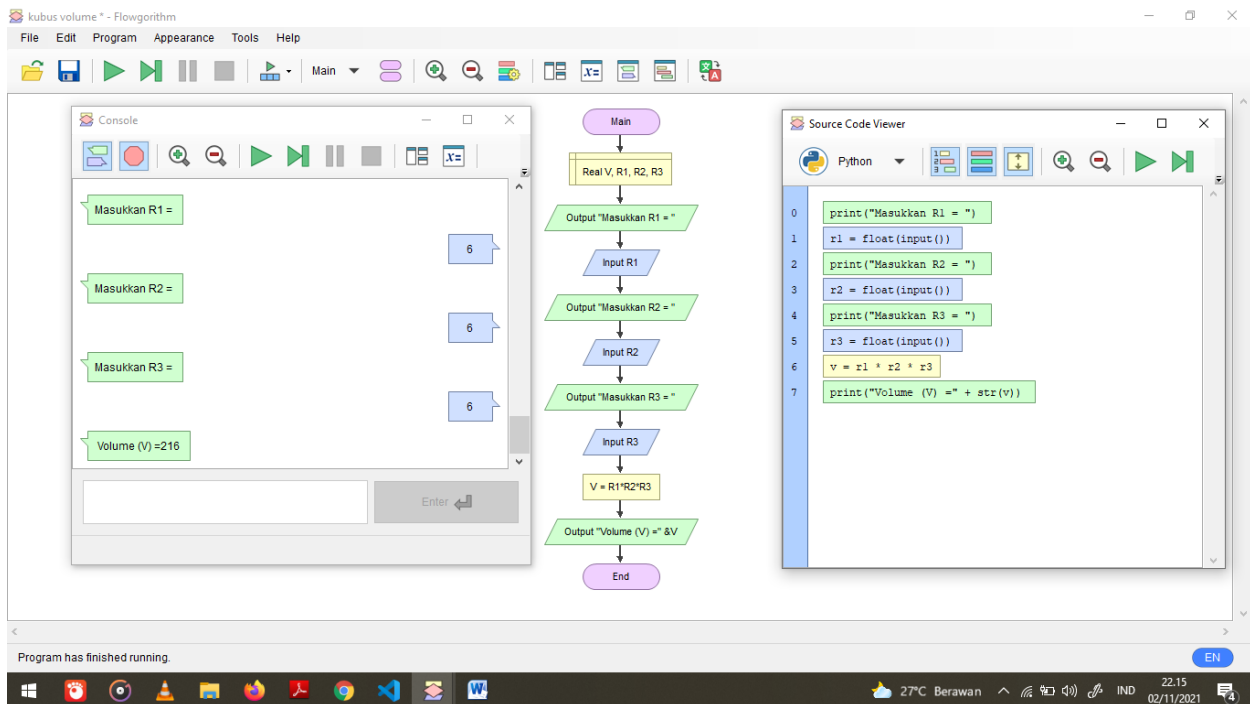
```

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>

```

The status bar at the bottom indicates the file is a Python 3.10.0 64-bit script, using UTF-8 encoding with CRLF line endings. The system tray shows the date and time as 02/11/2021 at 22:07.

- 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:

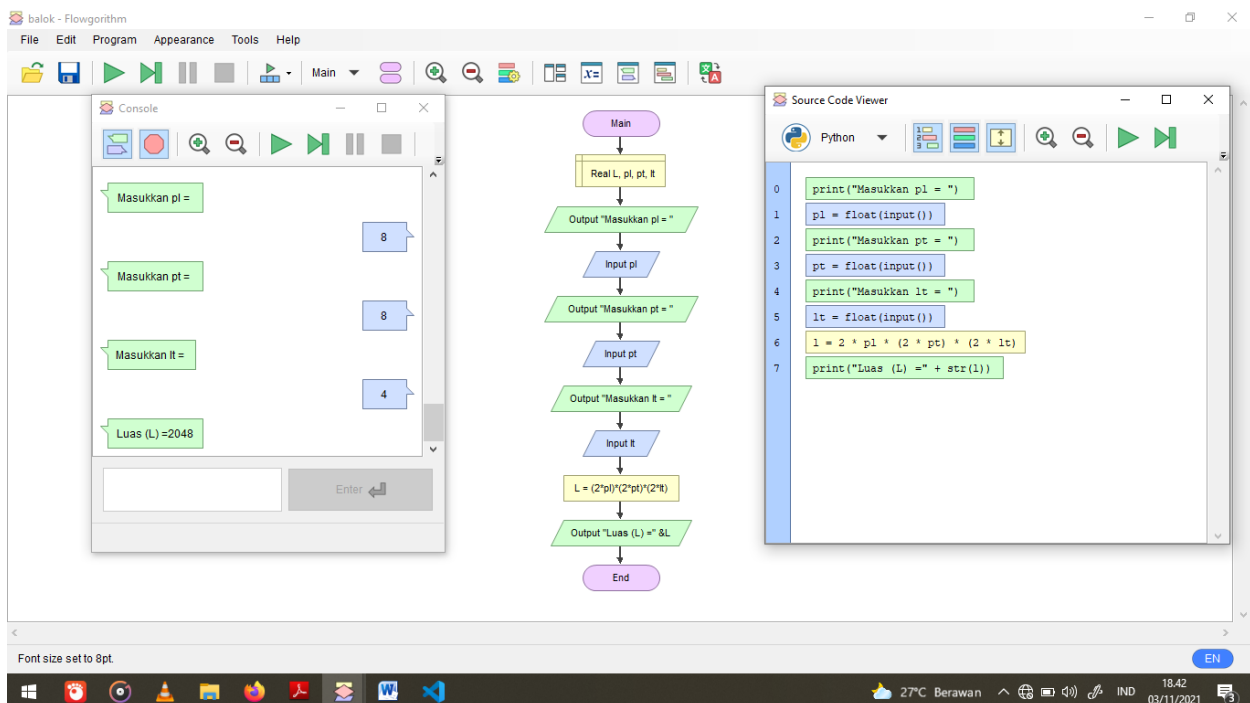
```

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 user inputs 6 for R1, 6 for R2, and 6 for R3. The output is "Volume (V) = 216.0".

- **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

```

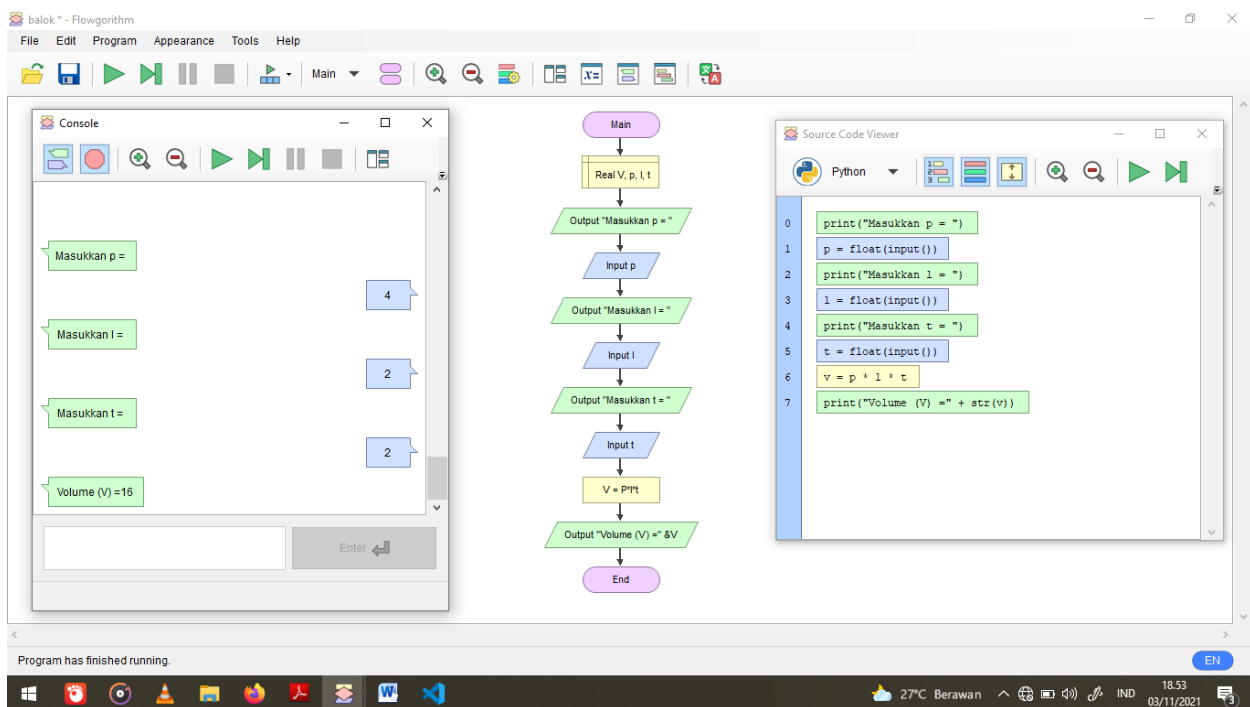
The TERMINAL pane at the bottom shows the execution of the script using Python 3.10.0. The output is as follows:

```

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

```

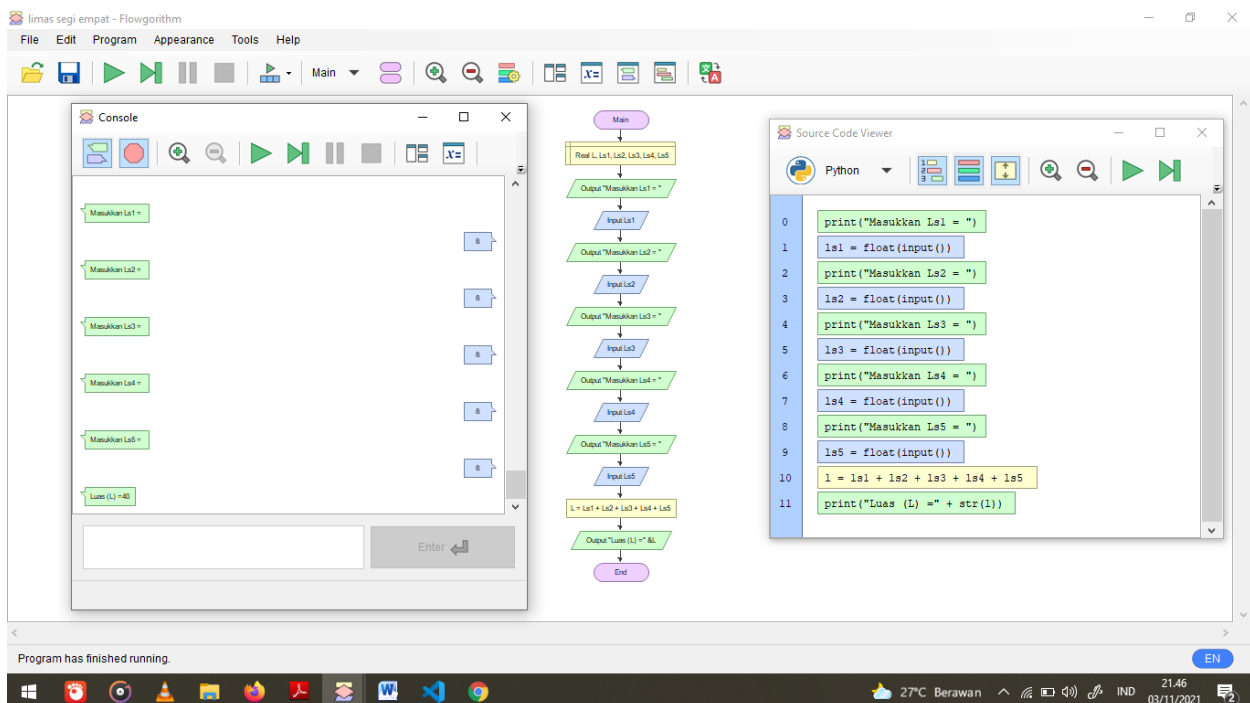
The TERMINAL panel at the bottom shows the execution of the script using Python 3.10.0. The output is as follows:

```

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan 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))

```

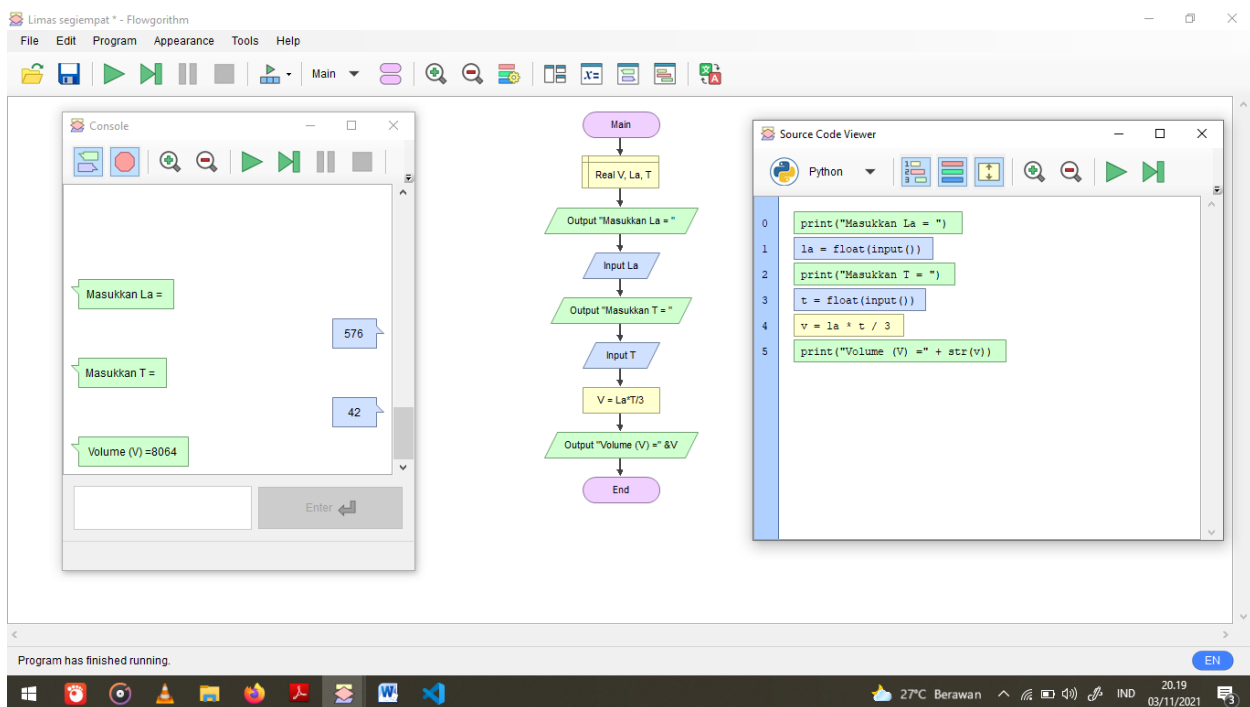
The TERMINAL panel at the bottom shows the execution of the script in a Windows PowerShell environment. The output is as follows:

```

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

```

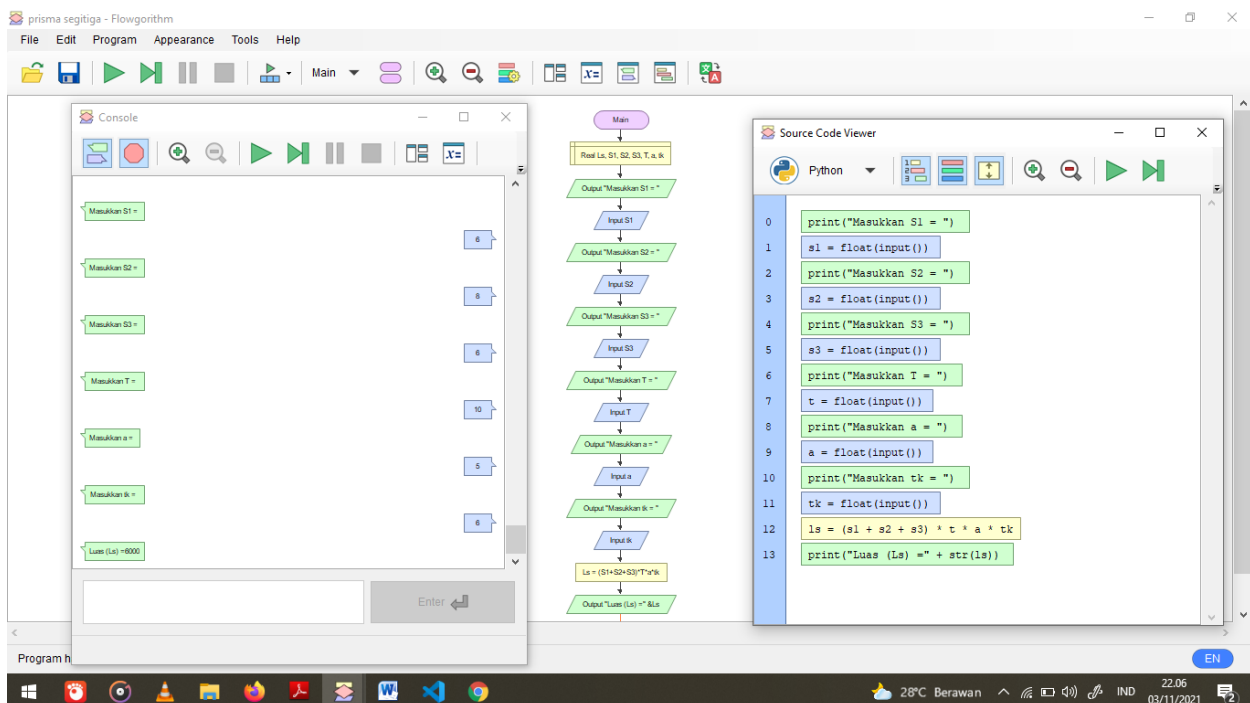
The TERMINAL panel at the bottom shows the execution of the script using Python 3.10.0. The output is as follows:

```

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 :



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:

```

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))

```

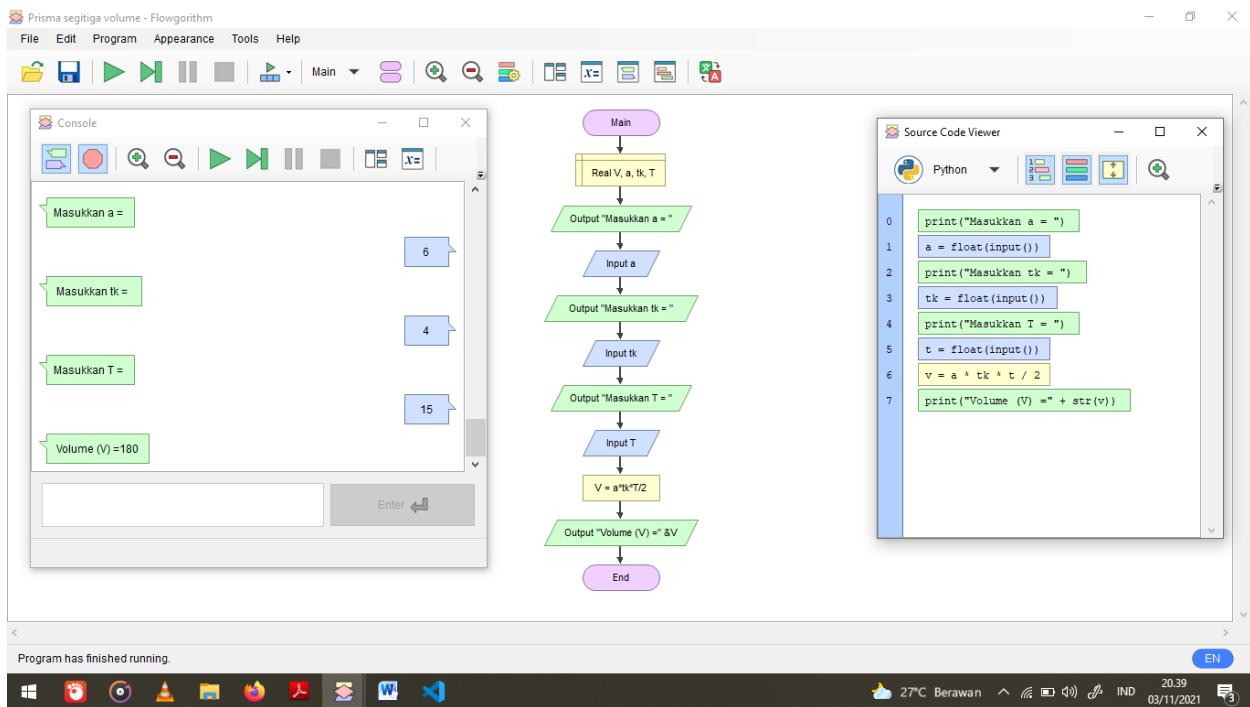
The TERMINAL panel at the bottom shows the command prompt execution:

```

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) :



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 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

```

The TERMINAL panel at the bottom shows the execution of the script using PowerShell:

```

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

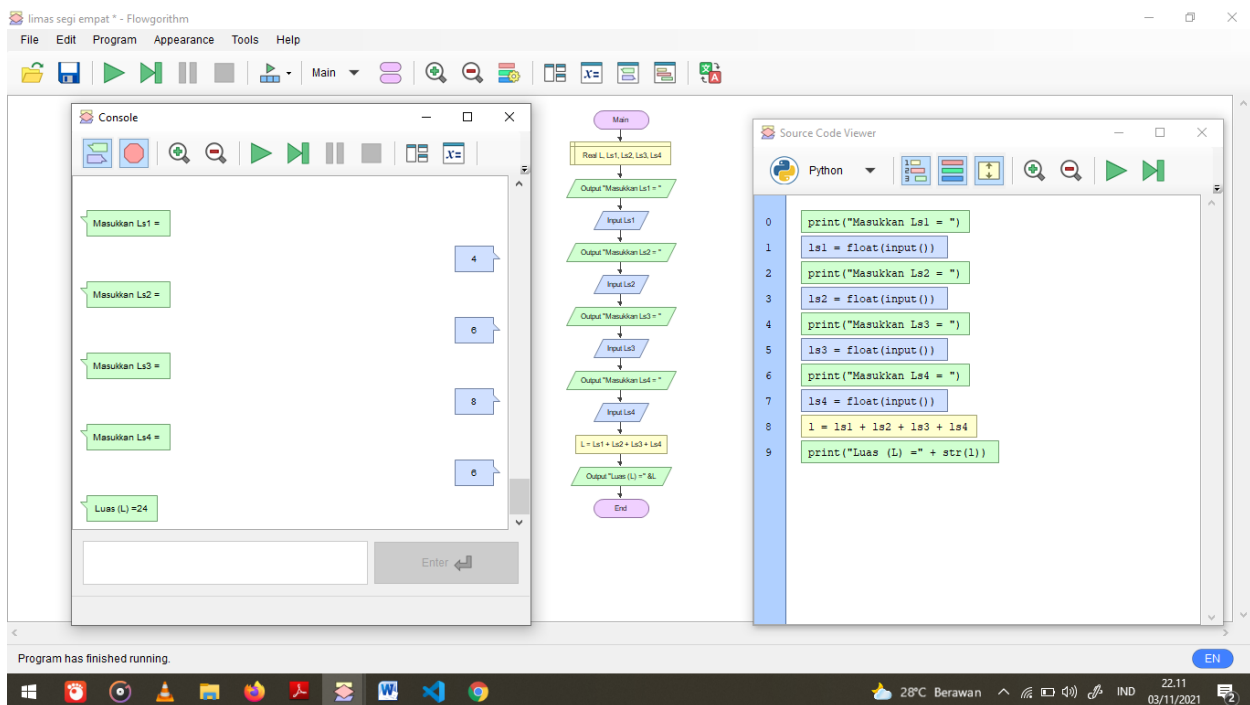
Try the new cross-platform PowerShell https://aka.ms/pscore6

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>

```

The status bar at the bottom indicates 'Python 3.10.0 64-bit' and the file encoding is 'UTF-8'.

- **LIMAS SEGITIGA**
 - Rumus Luas :



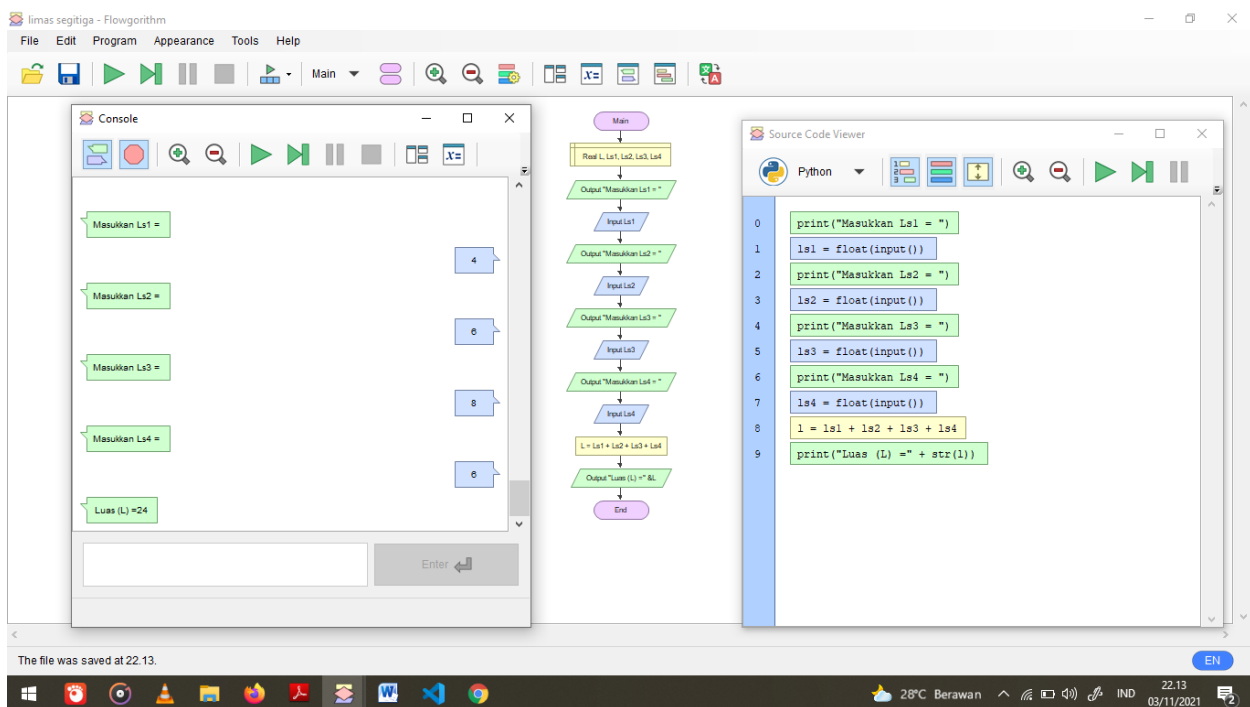
The screenshot shows the Visual Studio Code interface. The Explorer pane on the left shows a file named `guslinats.py`. The main editor displays the following Python code:

```
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) :



```

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 / 6
8 print("Volume (V) =" + str(v))

```

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

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

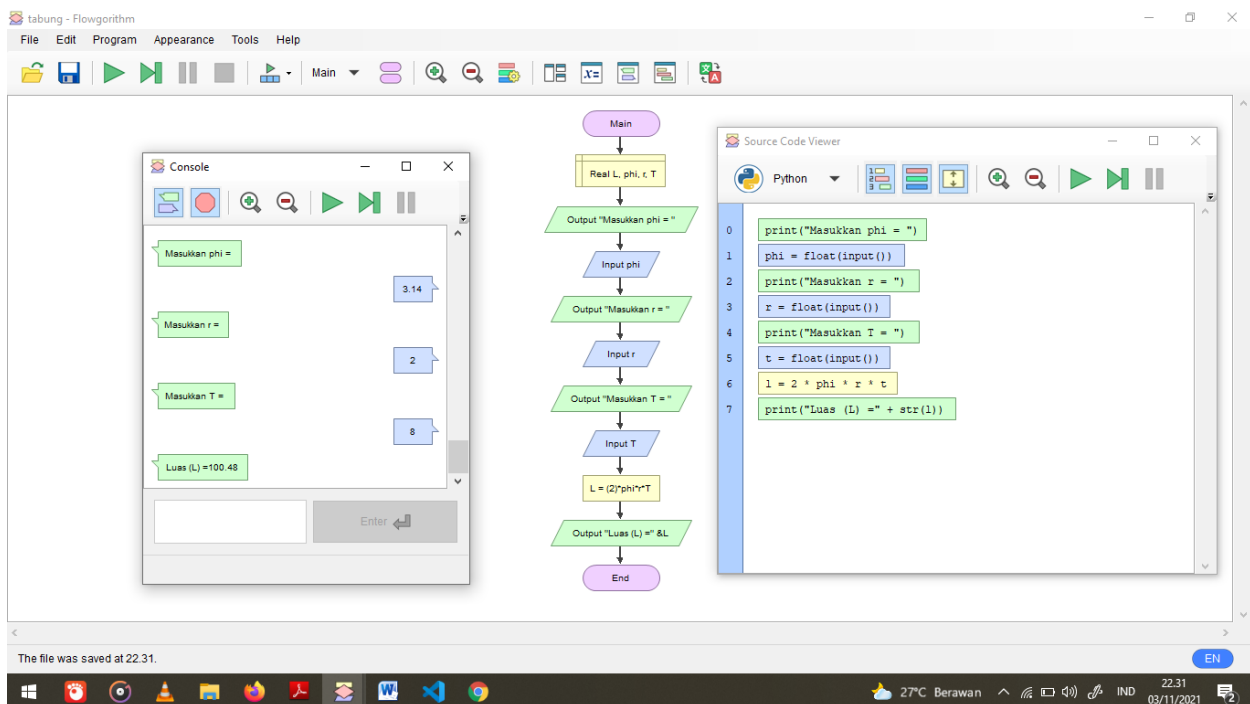
```

PS C:\Users\VACER> & 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) =60.0
PS C:\Users\VACER>

```

- **SELINDER (TABUNG)**
 - Rumus Luas :

Luas selimut



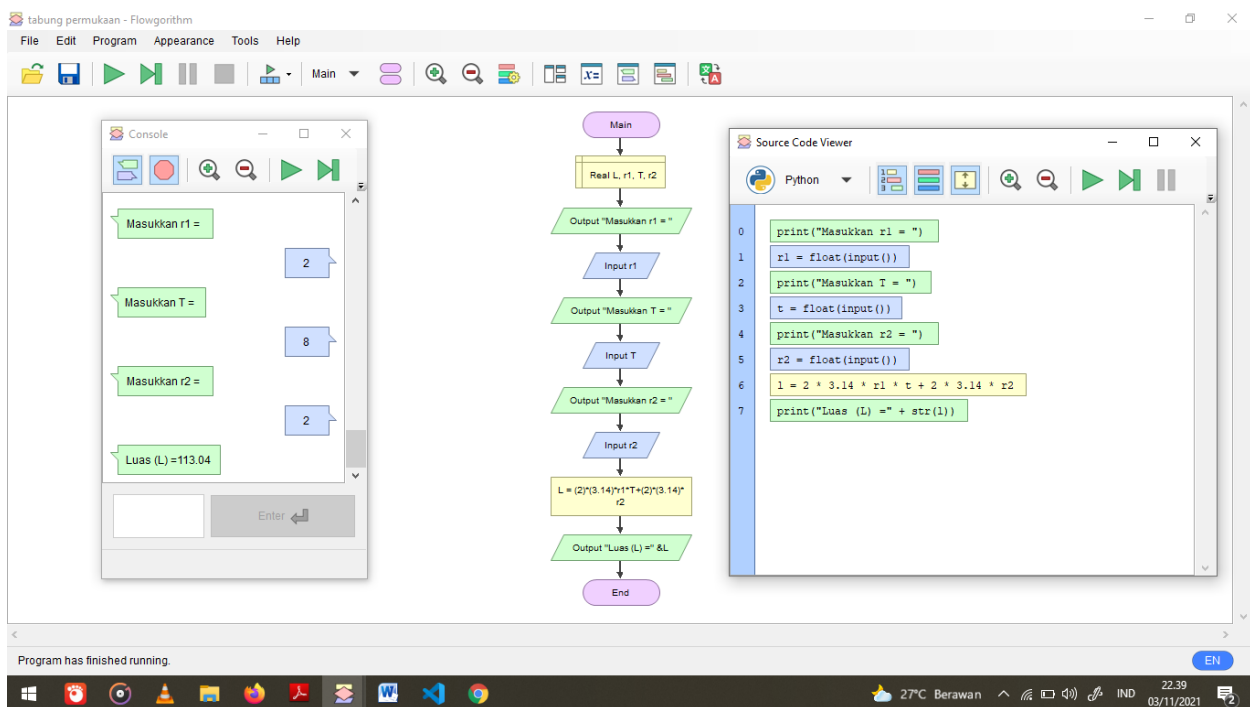
The screenshot shows the Visual Studio Code interface. The Explorer panel on the left indicates 'NO FOLDER OPENED'. The main editor displays the file `guslinats.py` with the following code:

```
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`.

```
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 T =
8
Luas (L) ~100.48
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 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

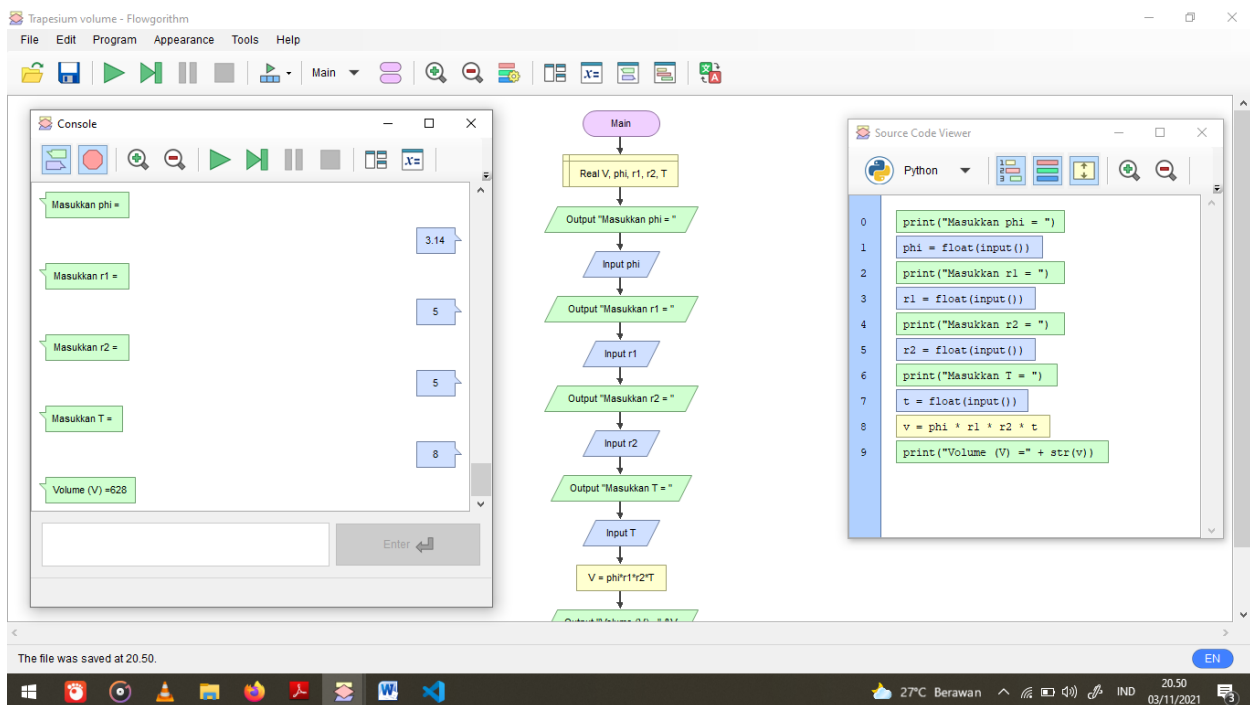
TERMINAL
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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

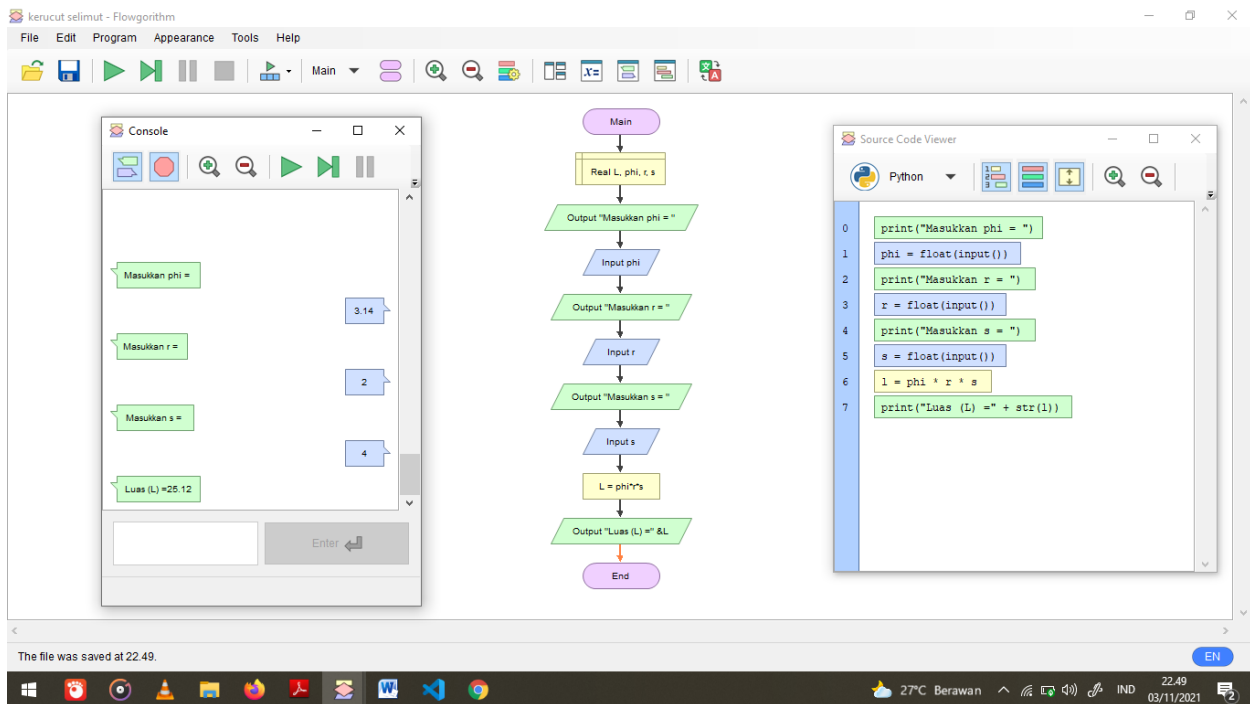
```

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 = 5
Masukkan r2 = 5
Masukkan T = 8
Volume (V) =628.0
PS C:\Users\ACER>

```

- **KERUCUT**
 - Rumus Luas :

Luas selimut



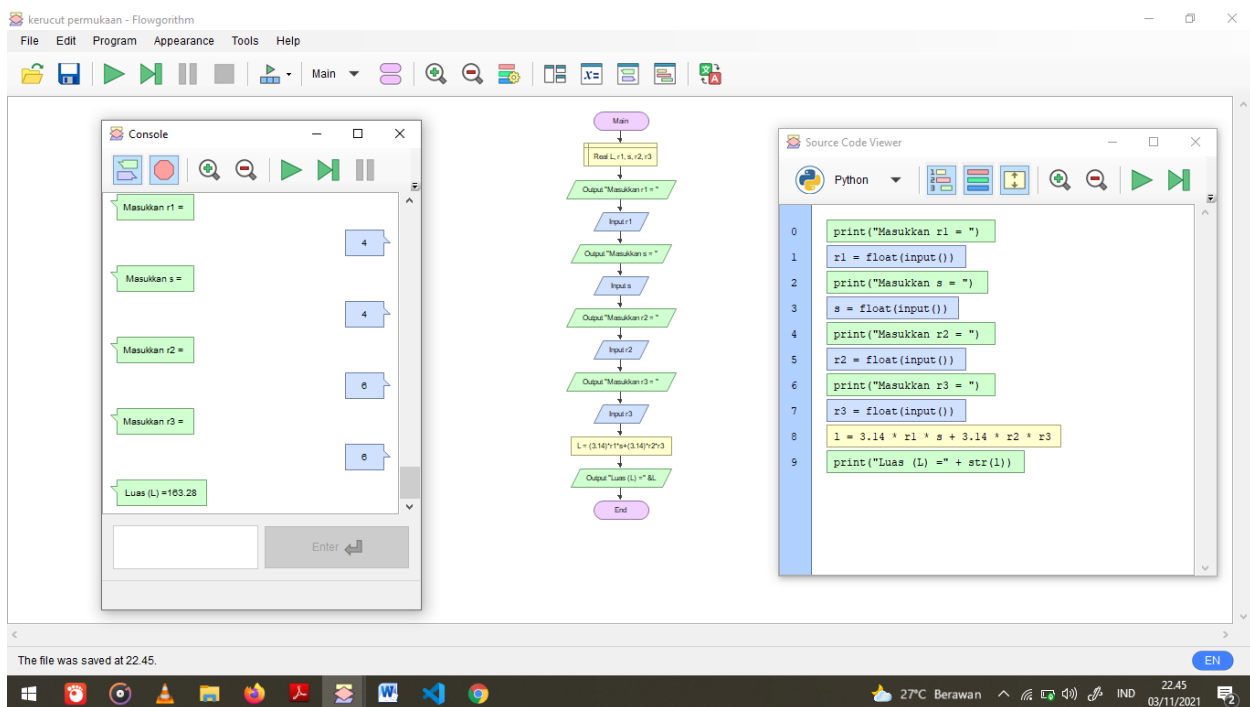
```
guslinats.py
3 print("Masukkan r = ")
4 r = float(input())
5 print("Masukkan s = ")
6 s = float(input())
7 l = phi * r * s
8 print("Luas (L) =" + str(l))
9
```

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

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



```

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

```

```

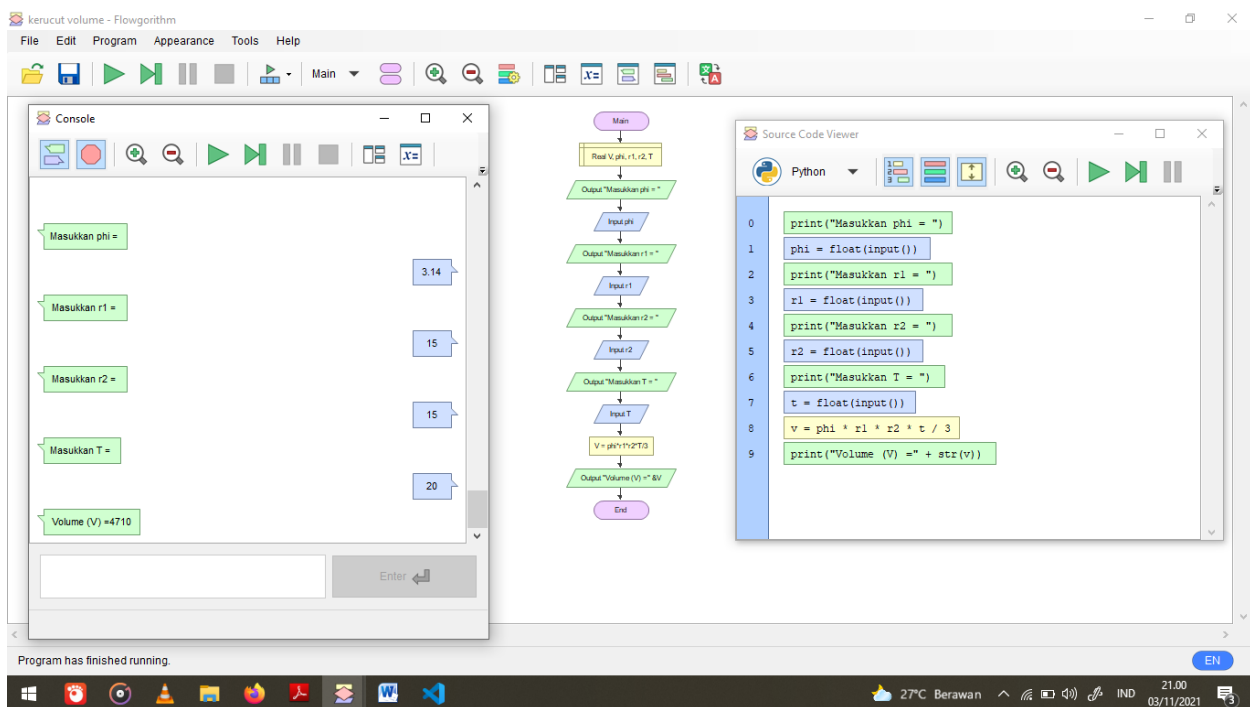
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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) :



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 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))

```

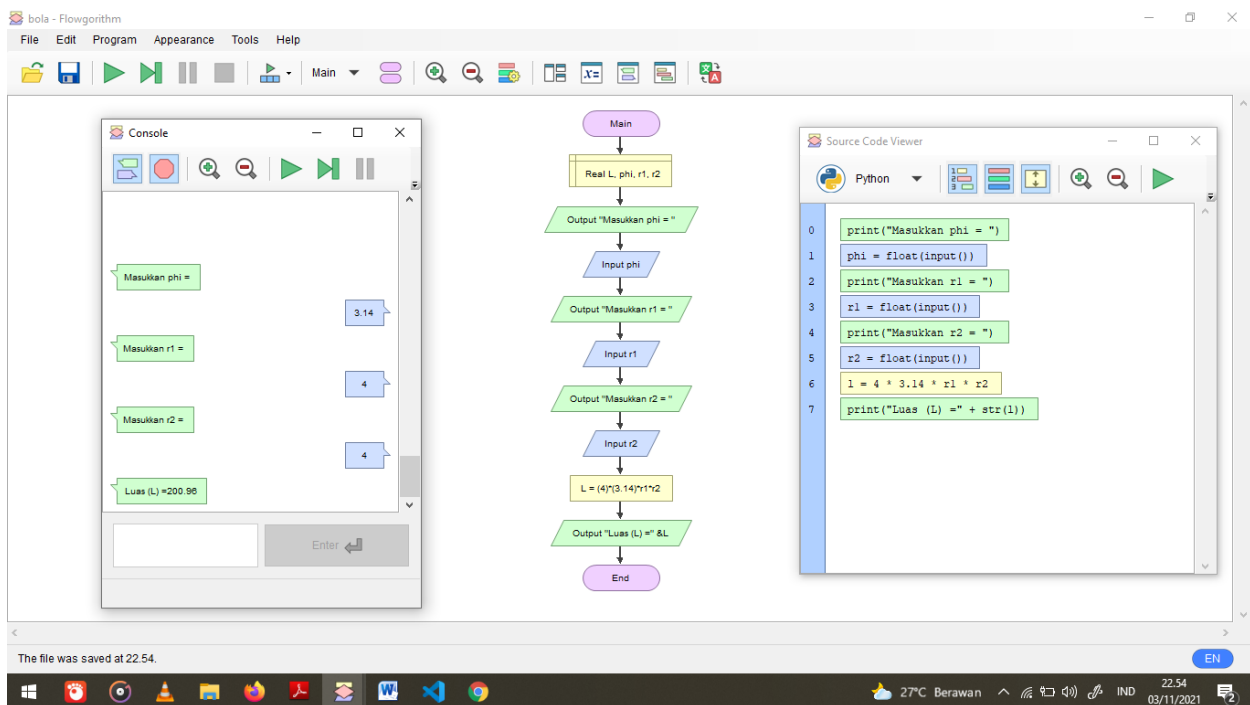
The TERMINAL pane at the bottom shows the execution of the script using Windows PowerShell:

```

PS C:\Users\ACER> & C:\Users\ACER\AppData\Local\Programs\Python\Python310\python.exe c:\Users\ACER\guslinats.py
Masukkan phi = 3.14
Masukkan 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) :

