

## Tugas 1

Nama : Nessa Kartika

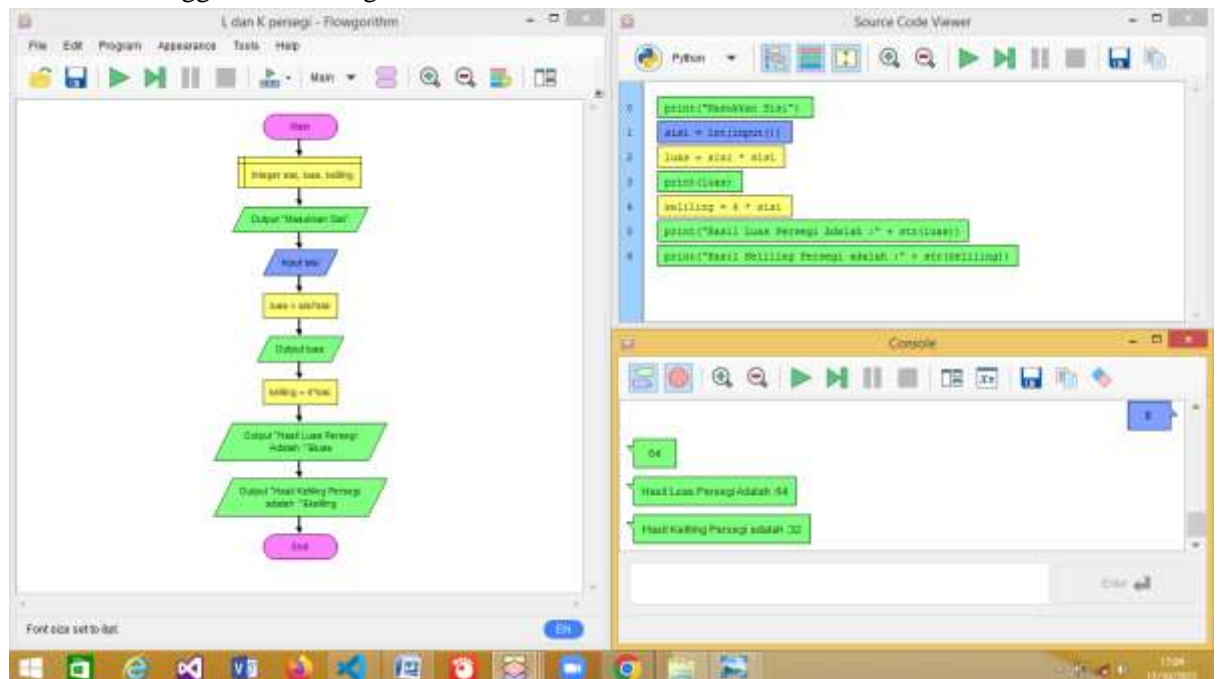
NIM : 211001039

Kelas : 3D Informatika

### *Mencari Keliling dan Luas*

#### 1. Persegi

Flowchart menggunakan Flowgorithm



## VS-Code

The screenshot shows the Visual Studio Code editor with a file named 'keliling dan luas persegi.py'. The code is as follows:

```
1 print("Masukkan Sisi")
2 sisi = int(input())
3 luas = sisi * sisi
4 print(luas)
5 keliling = 4 * sisi
6 print("Hasil luas Persegi Adalah : " + str(luas))
7 print("Hasil Keliling Persegi adalah : " + str(keliling))
```

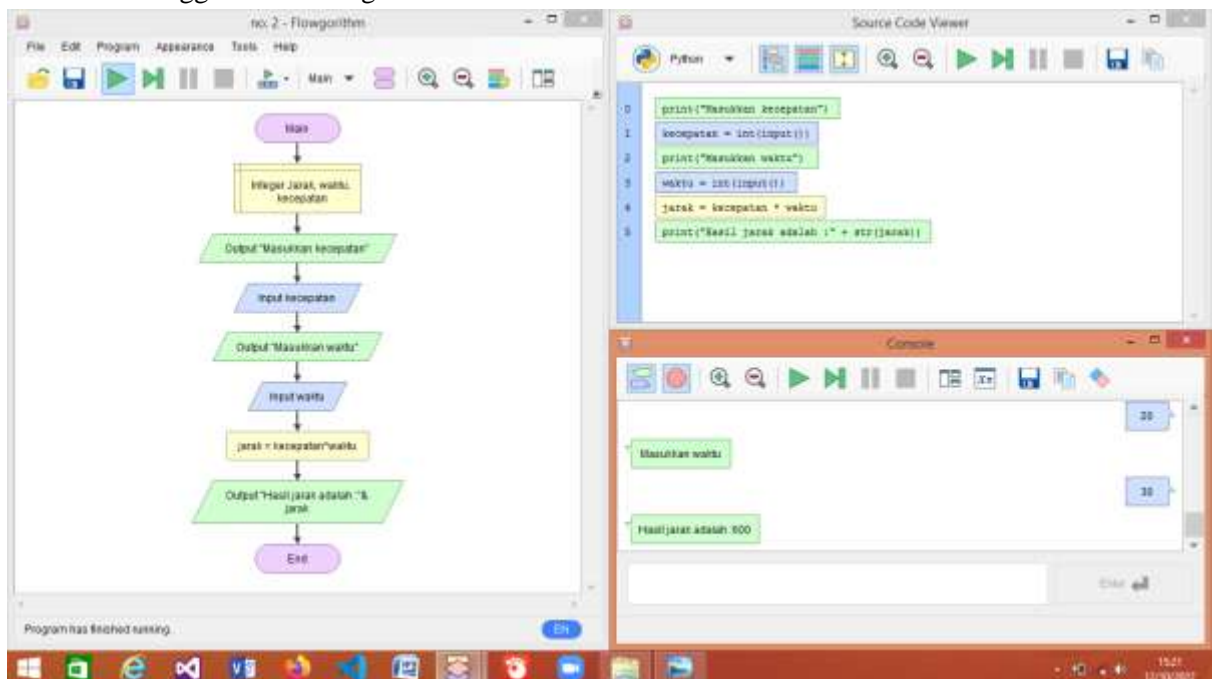
The terminal on the right shows the execution output:

```
Microsoft PowerShell
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PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python310-32\python.exe %cd%\Documents\kel...
sisi's File\keliling dan luas persegi.
py
Masukkan Sisi:
8
64
Hasil luas Persegi Adalah :64
Hasil Keliling Persegi adalah :32
PS C:\Users\USER>
```

## 2. Persegi Panjang

Flowchart menggunakan Flowgorithm.



The image shows a Visual Studio Code editor window with a Python file named 'no.2.py'. The code is as follows:

```

1 print("Masukkan Kecepatan")
2 kecepatan = int(input())
3 print("Masukkan waktu")
4 waktu = int(input())
5 jarak = kecepatan * waktu
6 print("Hasil jarak adalah :< = str(jarak))
7

```

The terminal on the right shows the execution output:

```

Masukkan Kecepatan
20
Masukkan waktu
30
Hasil jarak adalah :600
PS C:\Users\USER>

```

Flowchart menggunakan Flowgorithm.

The image shows a computer screen with two windows. The left window, titled 'Flowchart', displays a flowchart for calculating the perimeter of a rectangle. The flowchart starts with a pink oval labeled 'Start', followed by a yellow rectangle labeled 'Integer a, d, tinggi, luas, keliling'. It then proceeds through a series of green parallelograms for output and input: 'Output "Masukkan a"', 'Input a', 'Output "Masukkan Tinggi"', 'Input tinggi', 'Output "Hasil luas adalah :" + luas', and 'Output "Masukkan c"'. The flowchart ends with a pink oval labeled 'End'. The right window, titled 'Source Code Viewer', shows the corresponding Python code. The code is as follows:

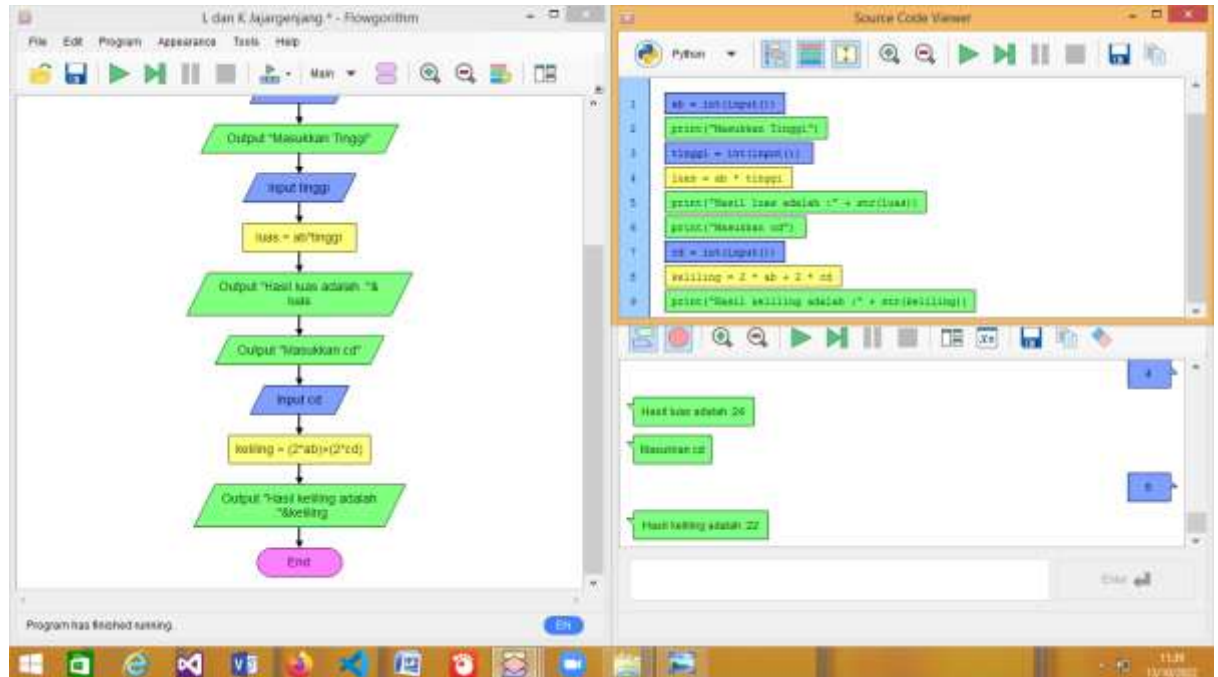
```

1 print('Masukkan a:')
2 a = int(input())
3 print('Masukkan Tinggi:')
4 tinggi = int(input())
5 luas = a * tinggi
6 print('Hasil luas adalah :" + str(luas))
7 print('Masukkan c:')
8 d = int(input())
9 keliling = 2 * a + 2 * d

```

The bottom of the screen shows a Windows taskbar with various icons, including the Start button, File Explorer, Edge, and several other applications. The system clock in the bottom right corner indicates the time is 11:28 on 11/20/2021.

Keliling :



VS-Code

The image shows a Visual Studio Code editor window with a Python file named 'K dan L Lajanganjenggy.py'. The code prompts for 'Masukkan ab', calculates 'luas', prompts for 'Masukkan cd', and calculates 'keliling'. The output shows 'Masukkan ab', 'Masukkan Tinggi', 'Hasil luas adalah 24', 'Masukkan cd', and 'Hasil keliling adalah 22'.

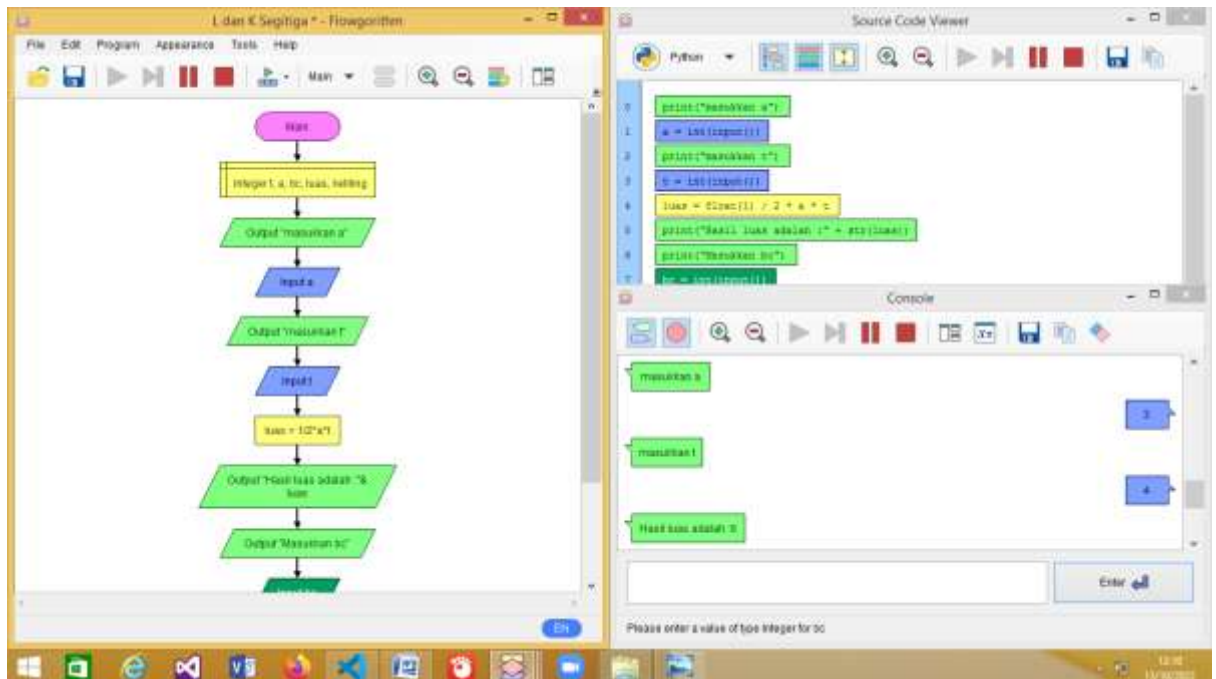
```
1 print("Masukkan ab")
2 ab = int(input())
3 print("Masukkan Tinggi")
4 tinggi = int(input())
5 luas = ab * tinggi
6 print("Hasil luas adalah :"+ str(luas))
7 print("Masukkan cd")
8 cd = int(input())
9 keliling = 2 * ab + 2 * cd
10 print("Hasil keliling adalah :"+ str(keliling))
11
```

Windows PowerShell  
Copyright (C) 2014 Microsoft Corporation. All rights reserved.  
PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "C:\Users\USER\Documents\Nessa's File\Minggu Ke-2\No 12\VS-Code\K dan L Lajanganjenggy.py"  
Masukkan ab  
5  
Masukkan Tinggi  
4  
Hasil luas adalah 24  
Masukkan cd  
5  
Hasil keliling adalah 22  
PS C:\Users\USER>

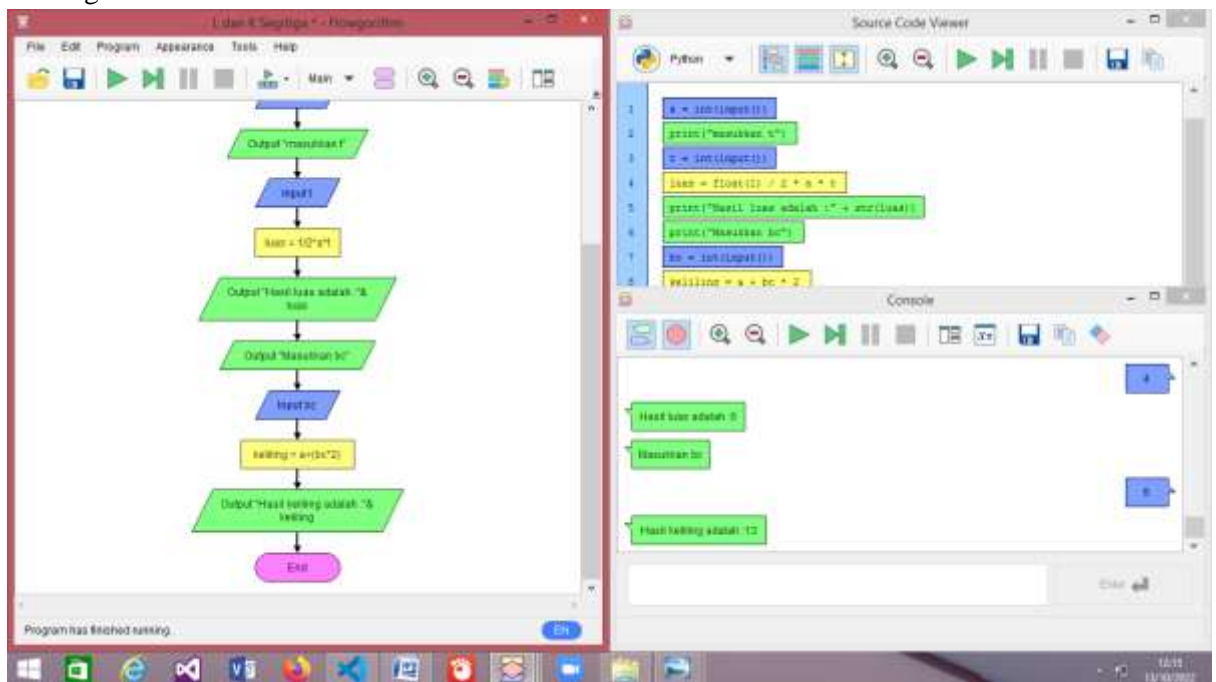
#### 4. Segitiga

Flowchart menggunakan Flowgorithm

Luas :



Keliling :



## VS-Code

```

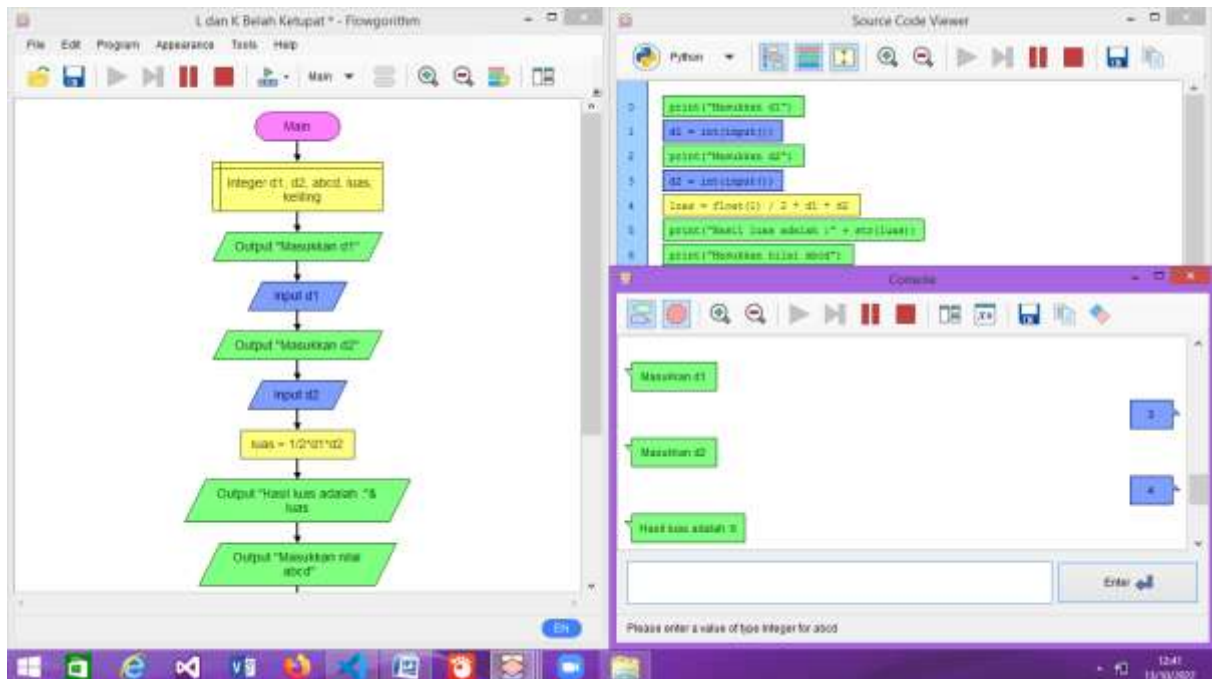
1 print("masukkan a")
2 a = int(input())
3 print("masukkan t")
4 t = int(input())
5 luas = float() / 2 * a * t
6 print("Hasil luas adalah : " + str(luas))
7 print("Masukkan bc")
8 bc = int(input())
9 keliling = a + bc * 2
10 print("Hasil keliling adalah : " + str(keliling))
11

```

## 5. Belah Ketupat

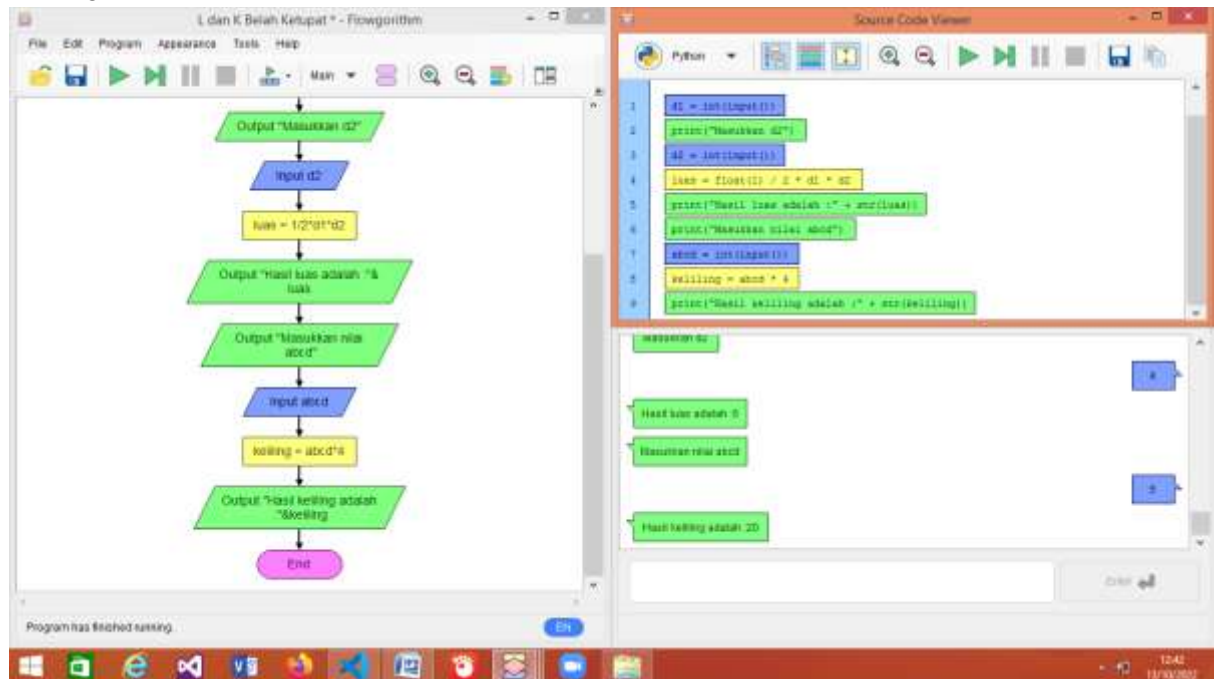
Flowchart menggunakan Flowgorithm

Luas :





Keliling :



VS-Code

The image shows a screenshot of the Visual Studio Code (VS-Code) editor. The main editor window displays a Python file named 'belah\_ketupat.py' with the following code:

```
1 print("Masukkan d1")
2 d1 = int(input())
3 print("Masukkan d2")
4 d2 = int(input())
5 luas = float(1) / 2 * d1 * d2
6 print("Hasil luas adalah :<br/>"+ str(luas))
7 print("Masukkan nilai abcd")
8 abcd = int(input())
9 keliling = abcd * 4
10 print("Hasil keliling adalah :<br/>"+ str(keliling))
11
```

The right sidebar shows the 'TERMINAL' output, which displays the execution of the program:

```
Windows PowerShell
Copyright (C) 2014 Microsoft Corporation.
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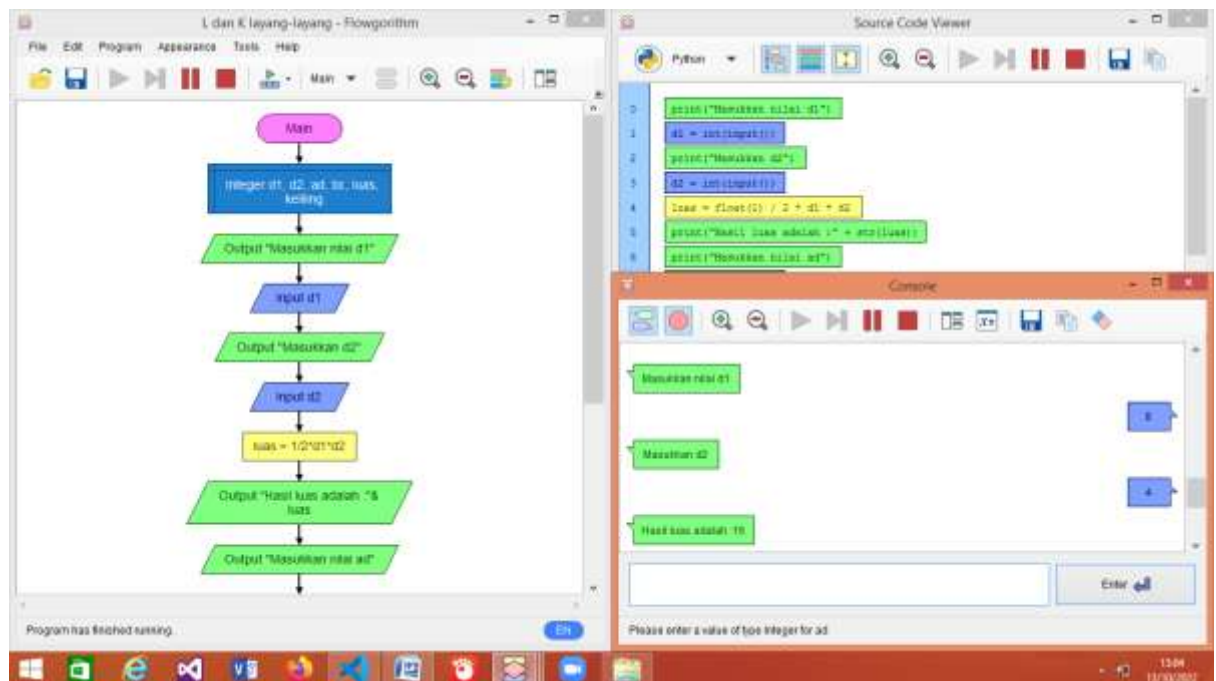
PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "C:\Users\USER\Documents\Nessa's File\Minggu Ke-2\No 12\VS Code\belah_ketupat.py"
Masukkan d1
4
Masukkan d2
4
Hasil luas adalah 8.0
Masukkan nilai abcd
5
Hasil keliling adalah 20
PS C:\Users\USER>
```

The bottom status bar of VS-Code shows 'Ln 11, Col 1', 'Spaces: 4', 'UTF-8', 'CRF', and 'Python 3.8.10 64-bit'.

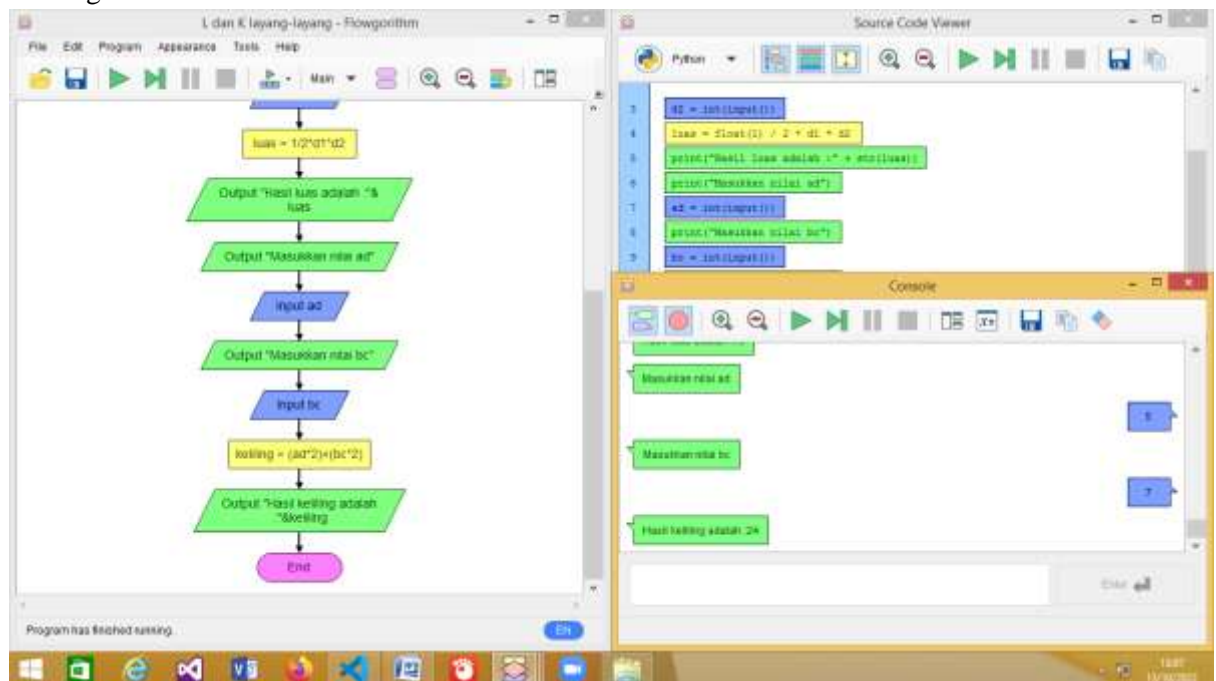
## 6. Layang-layang

Flowchart menggunakan Flowgorithm

Luas :

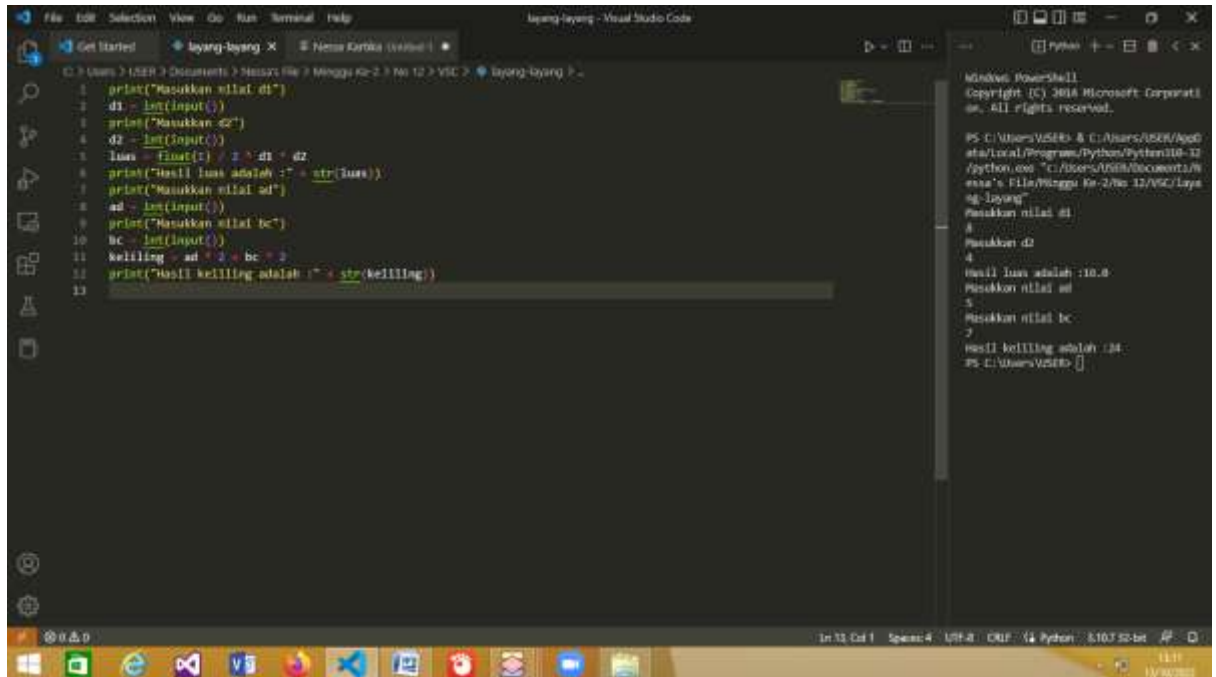


Keliling :





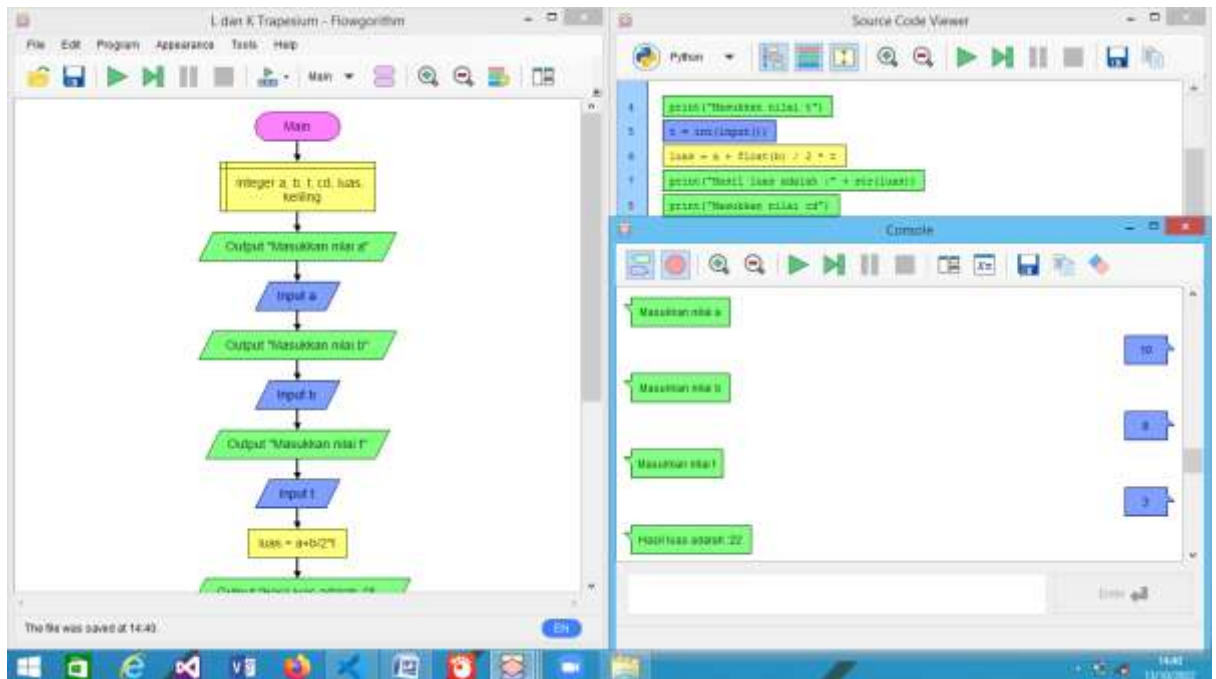
## VS-Code



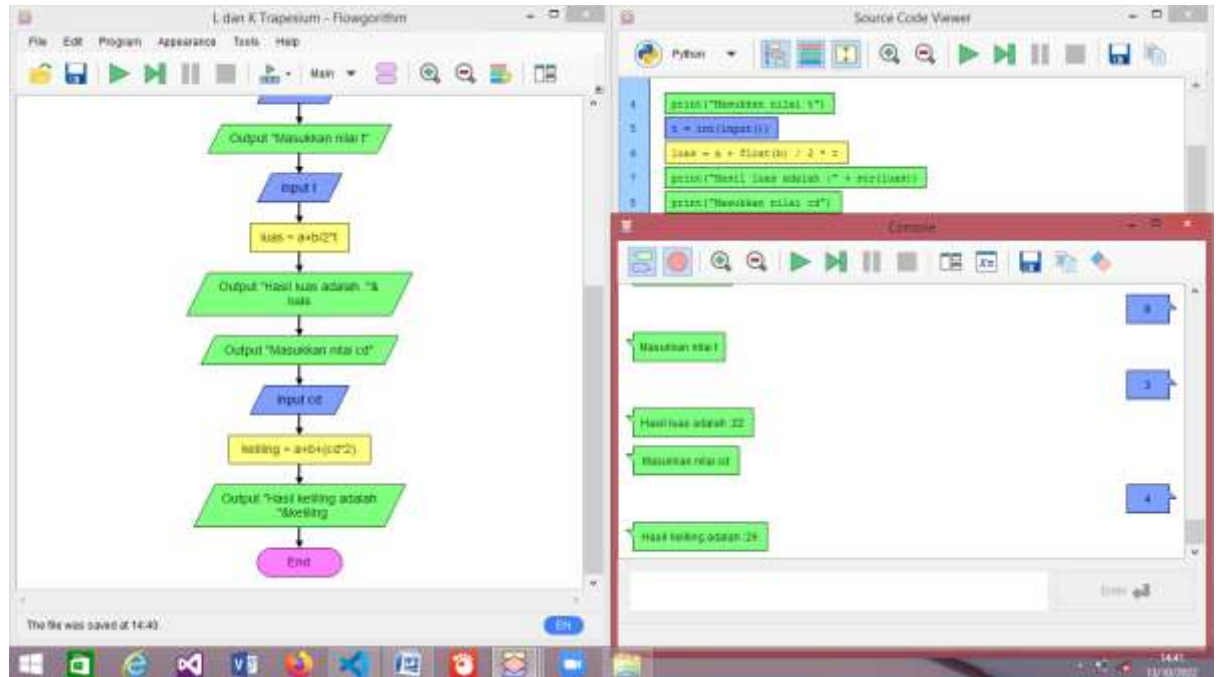
## 7. Trapesium

Flowchart menggunakan Flowgorithm

Luas :



Keliling :



VS-Code

The image shows a Visual Studio Code editor window with a Python file named 'trapesium.py'. The code implements the same logic as the Flowgorithm flowchart. A terminal window on the right shows the program being executed with inputs 10, 2, and 4, resulting in a perimeter of 28.

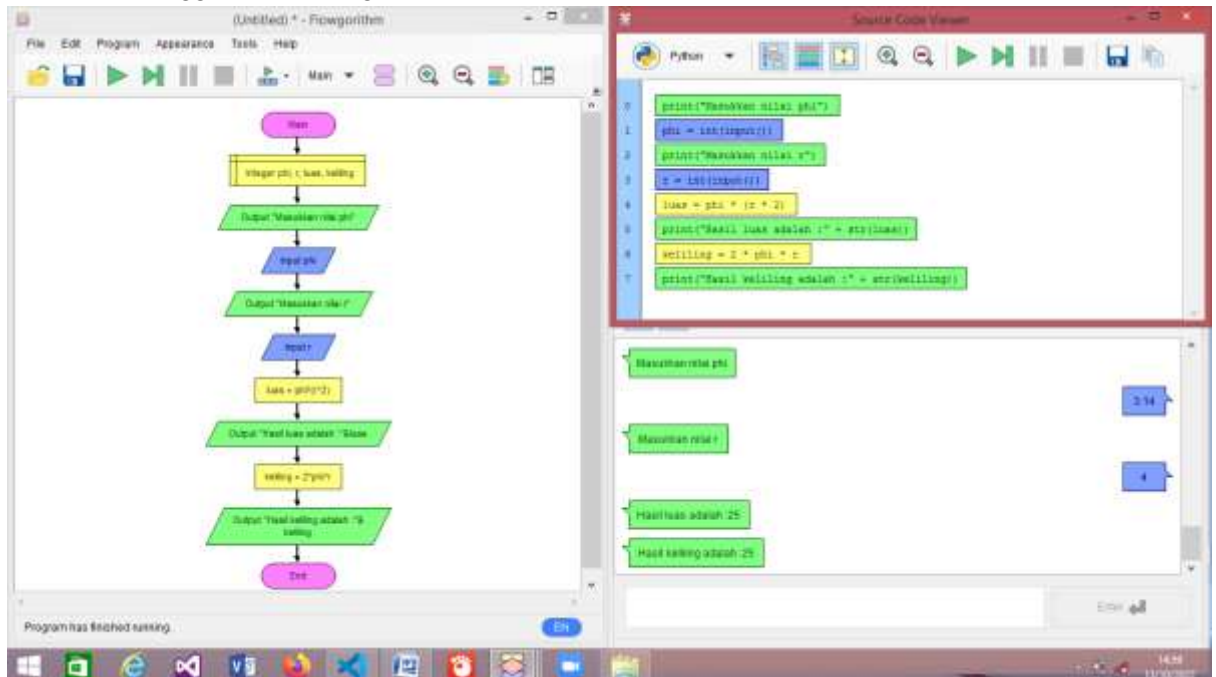
```
1 print("Masukkan nilai a")
2 a = int(input())
3 print("Masukkan nilai b")
4 b = int(input())
5 print("Masukkan nilai t")
6 t = int(input())
7 luas = a + float(b) / 2 * t
8 print("hasil luas adalah :'+ str(luas))
9 print("Masukkan nilai cd")
10 cd = int(input())
11 keliling = a + b + cd * 2
12 print("hasil keliling adalah :'+ str(keliling))
```

Terminal Output:

```
PS C:\Users\USER> & C:\Users\USER\AppData\Local\Programs\Python\Python38-32\python.exe "c:\Users\USER\Documents\Wessa's File\Minggu Ke-2\No. 12\VSCode\trapesium.py"
Masukkan nilai a
10
Masukkan nilai b
2
Masukkan nilai t
2
hasil luas adalah :22.0
Masukkan nilai cd
4
hasil keliling adalah :28
PS C:\Users\USER>
```

## 8. Lingkaran

Flowchart menggunakan Flowgorithm



VS-Code

