

# TUGAS REKOKNISI AI (ARTIFICIAL INTELLIGENCE)

ANGGA DWI WIBOWO

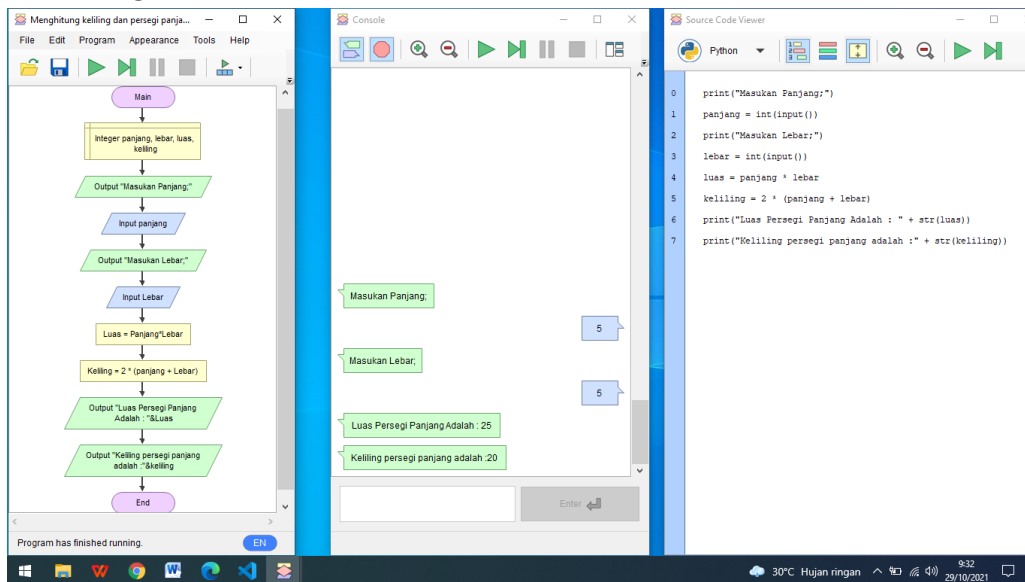
NIM. 211001123

Fakultas Rekayasa Sistem - Prodi Teknik Informatika

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## 1. Proses Flowgorithm dan VS Code (Menghitung Keliling dan Luas Persegi Panjang) Pada Flowgorithm



## Pada VS Code

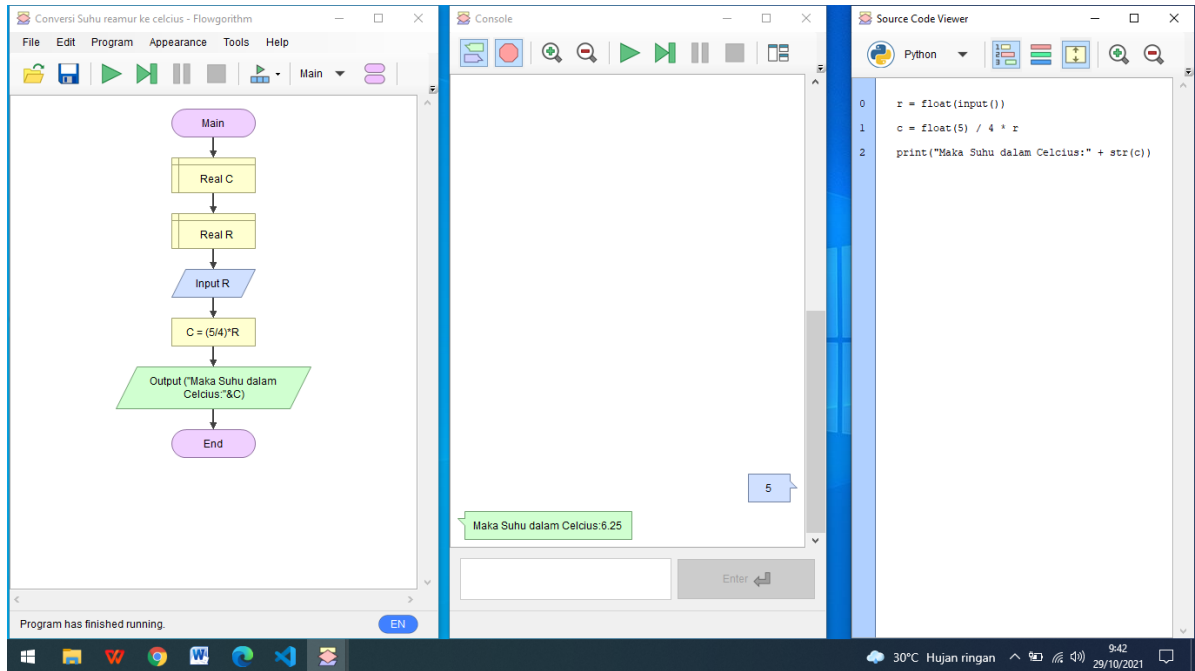
The screenshot shows the VS Code interface with a Python file named 'Main.py' open. The code is identical to the one in the previous screenshot. The terminal window at the bottom shows the command prompt running the script, with the same inputs and outputs as the Flowgorithm window.

```
1 print("Masukan Panjang:")
2 panjang = int(input())
3 print("Masukan Lebar:")
4 lebar = int(input())
5 luas = panjang * lebar
6 keliling = 2 * (panjang + lebar)
7 print("Luas Persegi Panjang Adalah : " + str(luas))
8 print("Keliling persegi panjang adalah : " + str(keliling))
9
```

```
PS C:\Users\ZASKIA ADZKIA SHAMM\Documents\tutorial python\00 Template> .\Main.py
Masukan Panjang:
5
Masukan Lebar:
5
Luas Persegi Panjang Adalah : 25
Keliling persegi panjang adalah : 20
PS C:\Users\ZASKIA ADZKIA SHAMM\Documents\tutorial python\00 Template>
```

## 2. Proses Flowgorithm dan VS Code (Conversi Suhu Reumeur ke Celcius)

### Pada Flowgorithm



### Pada VS Code

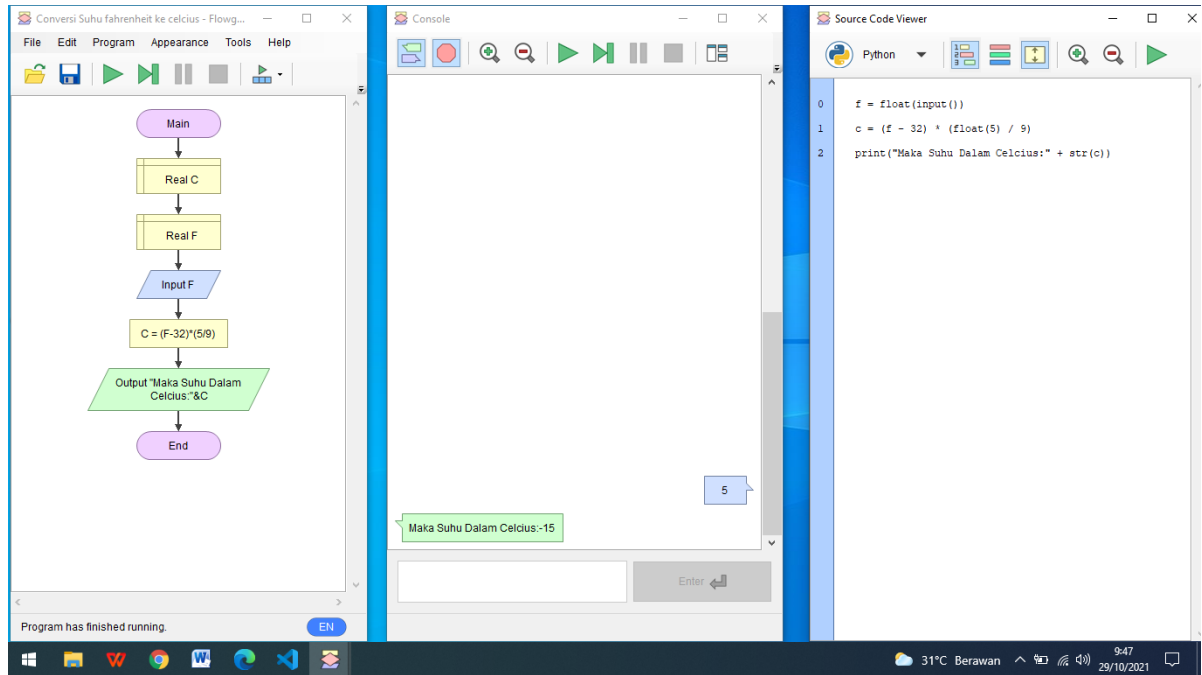
The VS Code window shows the Python code for converting Reameur to Celsius. The code is saved as Main.py. The terminal window shows the command to run the script and the output 'Maka Suhu dalam Celcius: 6.25'.

```
1 r = float(input())
2 c = float(5) / 4 * r
3 print("Maka Suhu dalam Celcius:" + str(c))
4
```

```
PS C:\Users\ZASKIA ADZKIA SHANUN\Documents\Tutorial python\00 Template> & "C:/Users/ZASKIA ADZKIA SHANUN/AppData/Local/Programs/Python/Python310/python.exe" -c: c:/Users/ZASKIA ADZKIA SHANUN/Documents/Tutorial python/00 Template/Main.py"
5
Maka Suhu dalam Celcius: 6.25
PS C:\Users\ZASKIA ADZKIA SHANUN\Documents\Tutorial python\00 Template>
```

### 3. Proses Flowgorithm dan VS Code (Conversi Suhu Fahrenheit ke Celcius)

#### Pada Flowgorithm



#### Pada VS Code

The screenshot displays the Visual Studio Code interface. The Explorer panel on the left shows the file structure with 'Main.py' selected. The Editor panel shows the Python code for converting Fahrenheit to Celsius:

```
1 f = float(input())
2 c = (f - 32) * (float(5) / 9)
3 print("Maka Suhu Dalam Celcius:" + str(c))
4
```

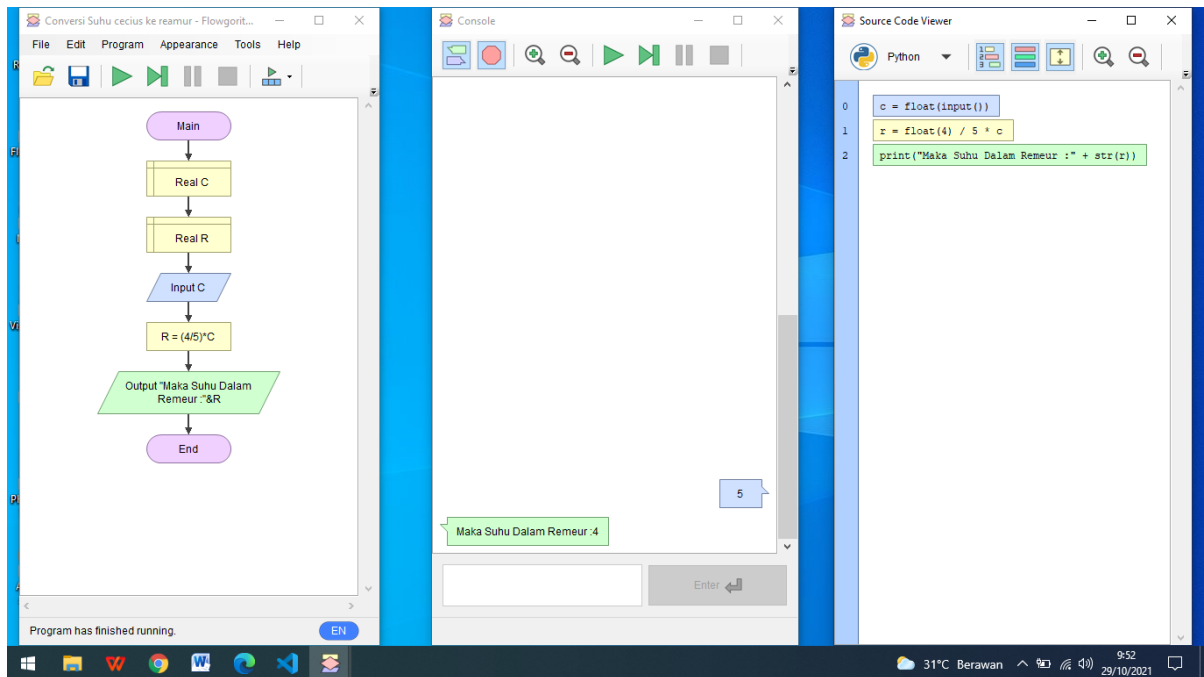
The Terminal panel at the bottom shows the execution of the code in a PowerShell environment. The output is:

```
PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template> & "C:/Users/ZASKIA ADZKIA SHANUM/AppData/Local/Programs/Python/Python310/python.exe" "c:/Users/ZASKIA ADZKIA SHANUM/Documents/Tutorial python/00 Template/Main.py"
5
Maka Suhu Dalam Celcius:-15.0
PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template>
```

The status bar at the bottom indicates 'Python 3.10.0 64-bit' and 'Ln 4, Col 1'.

#### 4. Proses Flowgorithm dan VS Code (Conversi Suhu Cecius ke Reamur)

Pada Flowgorithm



#### Pada VS Code

The screenshot shows the Visual Studio Code editor with a file named 'Main.py' open. The code in the editor is: 

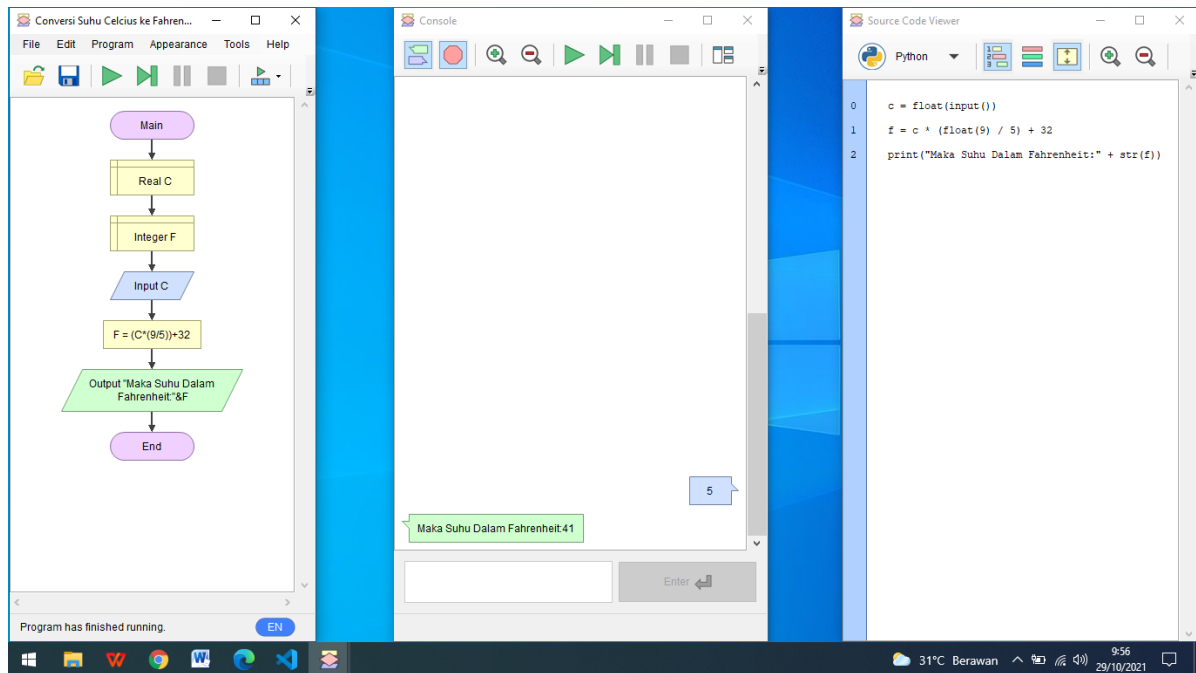
```
1 c = float(input())  
2 r = float(4) / 5 * c  
3 print("Maka Suhu Dalam Reamur :" + str(r))  
4
```

 The bottom terminal window shows the execution of the script: 

```
PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\tutorial python\00 Template> & "C:/Users/ZASKIA ADZKIA SHANUM/AppData/Local/Programs/Python/Python310/python.exe" "  
c:/Users/ZASKIA ADZKIA SHANUM/Documents/tutorial python/00 Template/Main.py"  
5  
Maka Suhu Dalam Reamur :4.0  
PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\tutorial python\00 Template>
```

## 5. Proses Flowgorithm dan VS Code (Conversi Suhu Celcius ke Fahrenheit)

### Pada Flowgorithm



### Pada VS Code

The VS Code interface shows the Python code for converting Celsius to Fahrenheit. The code is as follows:

```
1 c = float(input())
2 f = c * (float(9) / 5) + 32
3 print("Maka Suhu Dalam Fahrenheit:" + str(f))
4
```

The terminal window shows the execution of the code:

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

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

PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template> & "C:/Users/ZASKIA ADZKIA SHANUM/AppData/Local/Programs/Python/Python310/python.exe" "
c:/Users/ZASKIA ADZKIA SHANUM/Documents/Tutorial python/00 Template/Main.py"
5
Maka Suhu Dalam Fahrenheit:41.0
PS C:\Users\ZASKIA ADZKIA SHANUM\Documents\Tutorial python\00 Template>
```