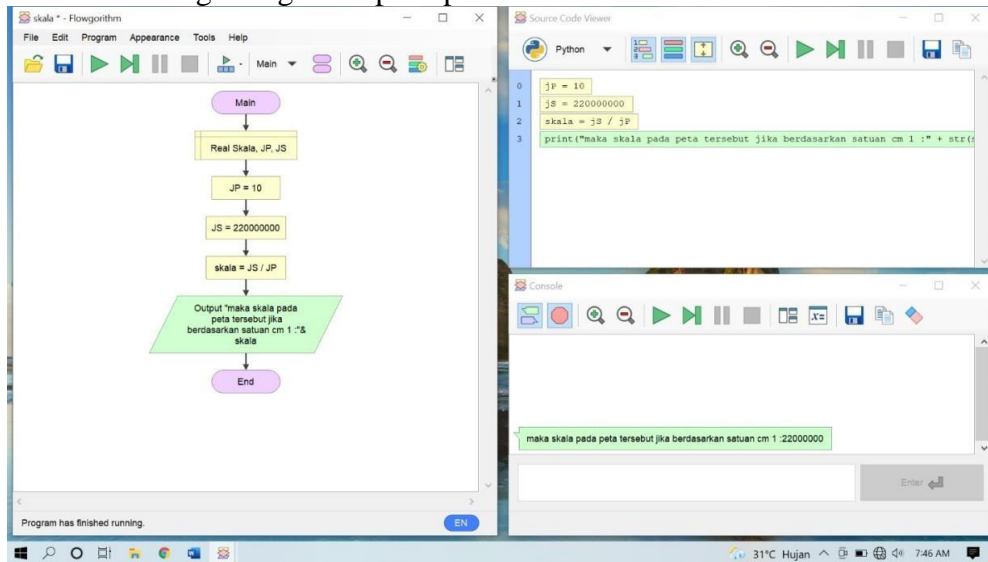


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## Konsep 1

### 1. Flowchart menghitung skala pada peta berdasarkan satuan cm



The image shows a Visual Studio Code editor window titled 'Skala\_no1.py - Visual Studio Code'. The editor contains the following Python code:

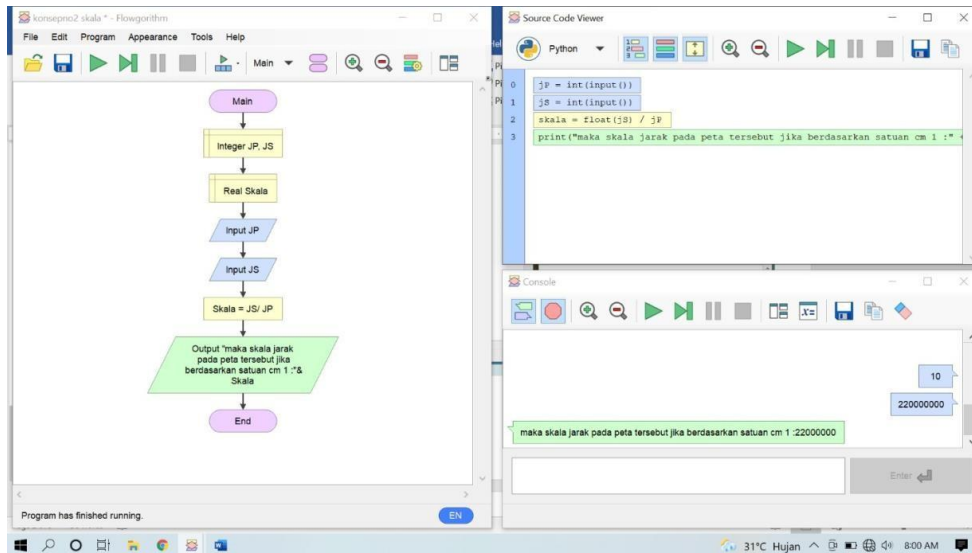
```
1 JP = 10
2 JS = 220000000
3 Skala = JS / JP
4 print("maka skala pada peta tersebut jika berdasarkan satuan cm 1 :<math>S</math> skala")
```

Below the code is a terminal window showing the execution output:

```
PS C:\Users\LENOVO> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61688' '--' 'c:\Users\LENOVO\Skala_no1.py'
Traceback (most recent call last):
  File "c:\Users\LENOVO\Skala_no1.py", line 3, in <module>
    Skala = JS / JP
NameError: name 'JS' is not defined
PS C:\Users\LENOVO> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61692' '--' 'c:\Users\LENOVO\Skala_no1.py'
maka skala pada peta tersebut jika berdasarkan satuan cm 1 : 220000000.0
PS C:\Users\LENOVO>
```

## Konsep 2

Flowchart menghitung skala pada peta berdasarkan satuan cm



## VS-CODE

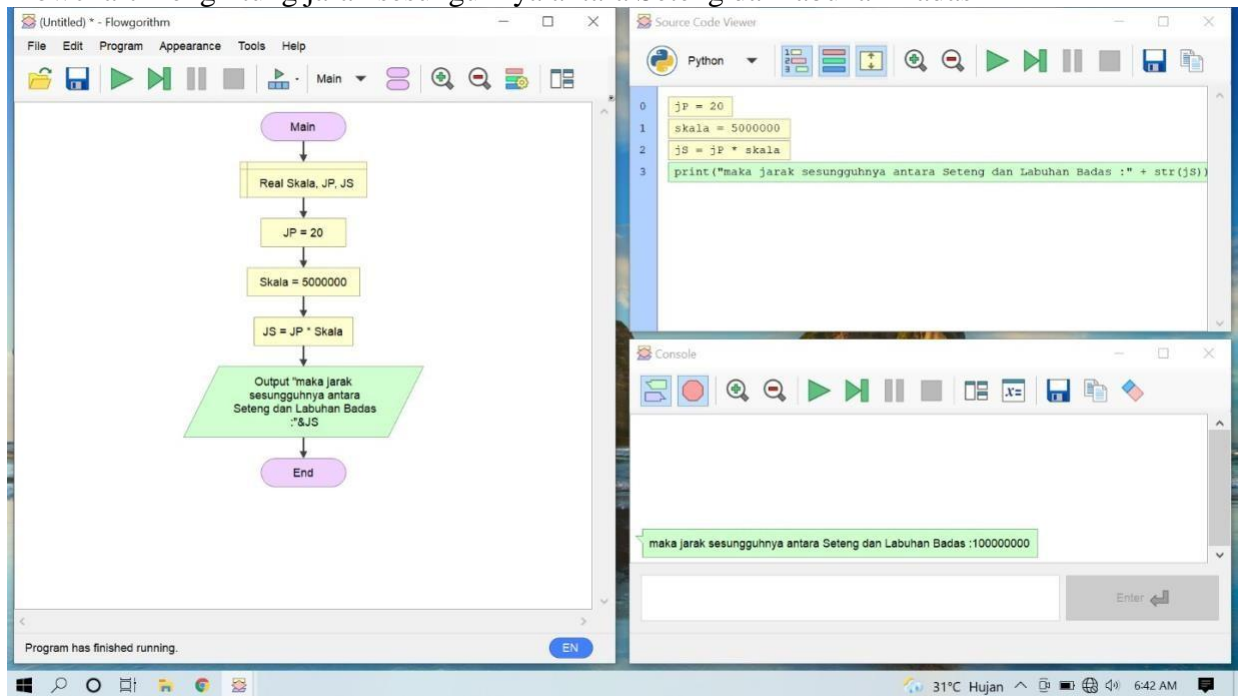
The image shows the VS Code editor with the file 'Skala\_konsep.py'. The code is: 

```
1 JP = int(input())
2 JS = int(input())
3 Skala = float(JS) / JP
4 print("maka Skala pada peta tersebut jika berdasarkan satuan cm 1 : " + str(Skala))
```

 The terminal window shows the command prompt running the script: 

```
C:\Users\LENOVO> .\Skala_konsep.py ...
PS C:\Users\LENOVO> & "C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe" "c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher" "61788" "-..." "c:\Users\LENOVO\Skala_no1.py"
maka skala pada peta tersebut jika berdasarkan satuan cm 1 :220000000.0
PS C:\Users\LENOVO> cd "c:\Users\LENOVO"; & "C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe" "c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher" "61784" "-..." "c:\Users\LENOVO\Skala_konsep.py"
```

## 2. Flowchart menghitung jarak sesungguhnya antara Seteng dan labuhan Badas



The image shows a Visual Studio Code window with the file 'JP\_no2.py' open. The code is as follows:

```
1 JP = 20
2 Skala = 5000000
3 JS = JP * Skala
4 print("maka jarak sesungguhnya antara Seteng dan Labuhan Badas :"+ str(JS))
```

The left sidebar shows the Explorer with a folder 'AI PYTHON PROGRAMING' containing files like 'debit\_py.txt', 'jarak tugas no 1.txt', 'JP\_no2.py', 'jskonsep2.py', and 'konsep2\_js.py'. The bottom panel shows the Terminal with the following output:

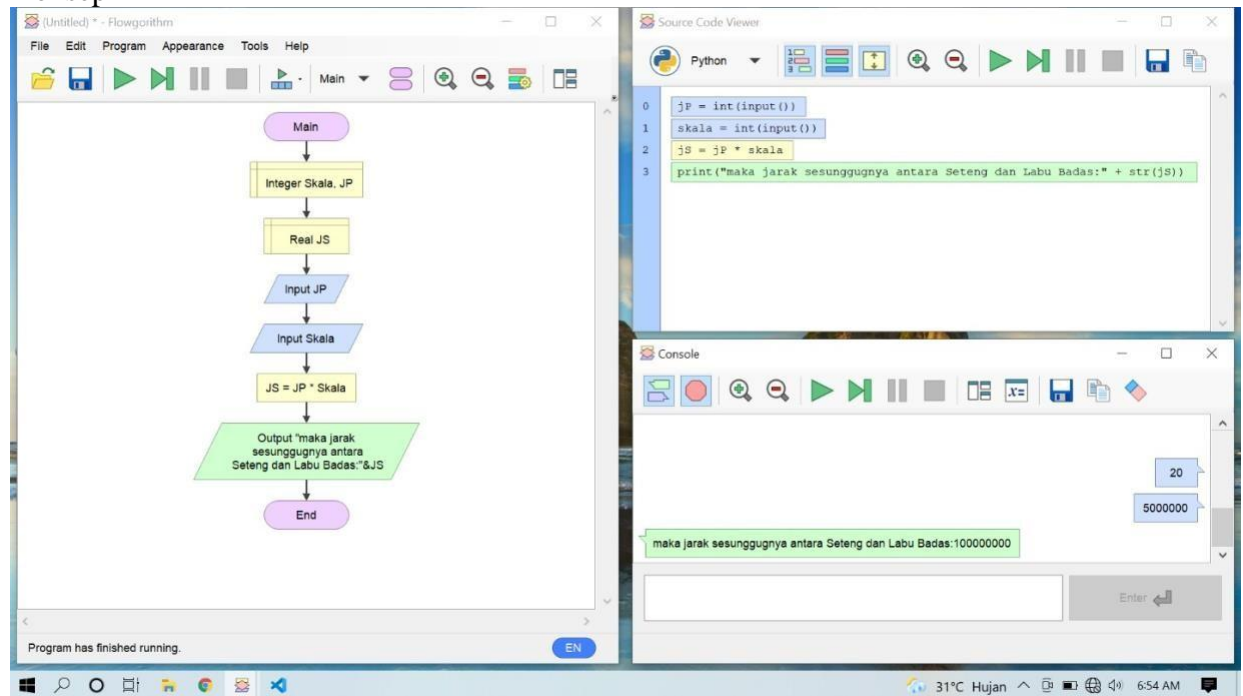
```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

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

PS C:\AI python programming> & 'C:\Users\LENGNO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENGNO\vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61650' '-'
-' 'c:\AI python programming\JP_no2.py'
maka jarak sesungguhnya antara Seteng dan Labuhan Badas :100000000
PS C:\AI python programming>
```

The status bar at the bottom indicates 'Python 3.9.7 64-bit' and 'Ln 4, Col 76 Spaces: 4 UTF-8 CRLF Python'.

## Konsep 2



The screenshot shows the Visual Studio Code editor with the file 'JS\_konsep2.py' open. The code is identical to the one in the first screenshot:

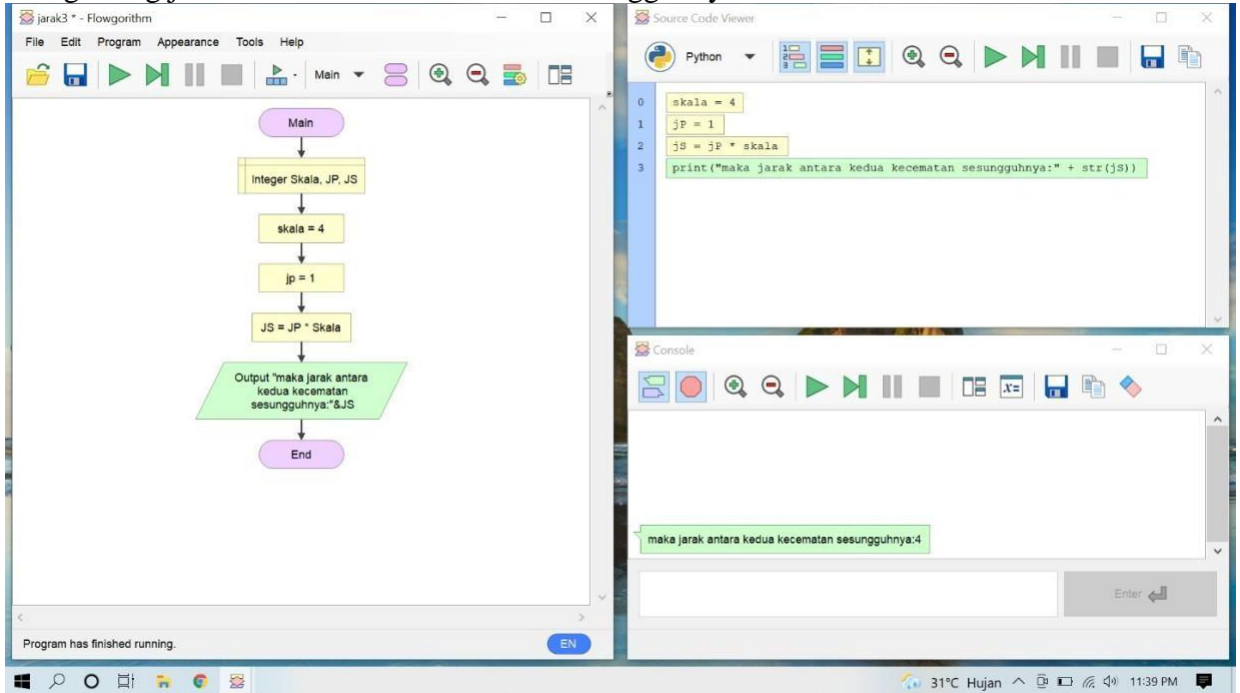
```
1 JP = int(input())
2 skala = int(input())
3 JS = JP * skala
4 print("maka jarak sesungguhnya antara seteng dan Labu Badas:" + str(JS))
```

The terminal window at the bottom shows the execution of the script using PowerShell. The output is as follows:

```
PS C:\Users\LENOVO> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\.vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '61656' '--' 'c:\Users\LENOVO\JS_konsep2.py'
20
5000000
maka jarak sesungguhnya antara seteng dan Labu Badas:100000000
PS C:\Users\LENOVO>
```

The status bar at the bottom indicates 'Python 3.9.7 64-bit' and 'Ln 4, Col 73'.

### 3. Menghitung jarak antara kedua kecamatan sesungguhnya



The screenshot shows the Visual Studio Code editor with a file named 'skala\_NO3.py' open. The code in the editor is: 

```
1 Skala = 4
2 JP = 1
3 JS = JP * Skala
4 print("maka jarak antara kedua kecamatan sesungguhnya : " + str(JS))
```

 The bottom panel shows the 'TERMINAL' output, which includes the command to run the script and its output: 

```
PS C:\AI python programming> & 'C:\Users\LENOVO\AppData\Local\Programs\Python\Python39\python.exe' 'c:\Users\LENOVO\vscode\extensions\ms-python.python-2021.10.1365161279\pythonFiles\lib\python\debugpy\launcher' '59293' '-' 'c:\AI python programming\skala_NO3.py'
maka jarak antara kedua kecamatan sesungguhnya :4
PS C:\AI python programming>
```

## Konsep 2

The image shows a screenshot of a computer screen with two windows open. The left window is titled "konsep - Flowgorithm" and displays a flowchart for a Python program. The flowchart starts with a "Main" terminal, followed by a process box "Integer skala, JP", then a process box "Real JS", then an input box "Input Jp", then an input box "Input skala", then a process box "JS = JP \* Skala", then an output box "Output 'maka jarak antara kedua kecamatan sesungguhnya : '&JS", and finally an "End" terminal. The right window is titled "Source Code Viewer" and shows the following Python code:

```
0 JP = int(input())
1 skala = int(input())
2 JS = JP * skala
3 print("maka jarak antara kedua kecamatan sesungguhnya : " + str(JS))
```

Below the code is a "Console" window showing the output of the program:

```
1
4
maka jarak antara kedua kecamatan sesungguhnya :4
```

The status bar at the bottom of the Flowgorithm window indicates "Program has finished running." and there is a blue "EN" button. The Windows taskbar at the bottom shows the system clock as 2:20 AM and the temperature as 31°C Hujan.