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Mk : Kecerdasan Buatan  
Kelas : Teknik Informatika B

## PRAKTIKUM INDIVIDU IV

### ➤ KONSEP 1

#### Flowchart

1. Berapakah skala peta tersebut jika berdasarkan satuan cm?

Dik:  $J_p = 10$  cm

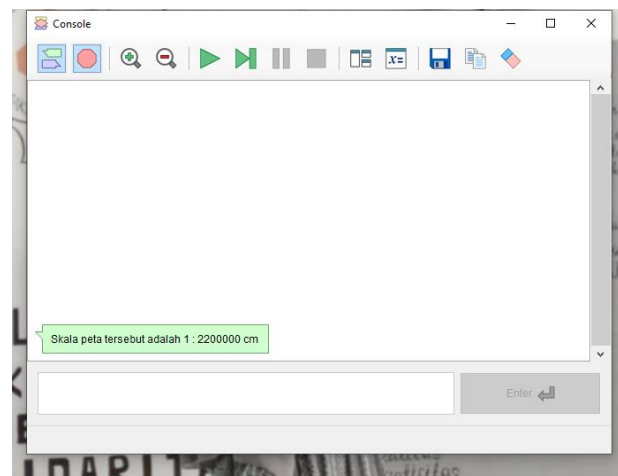
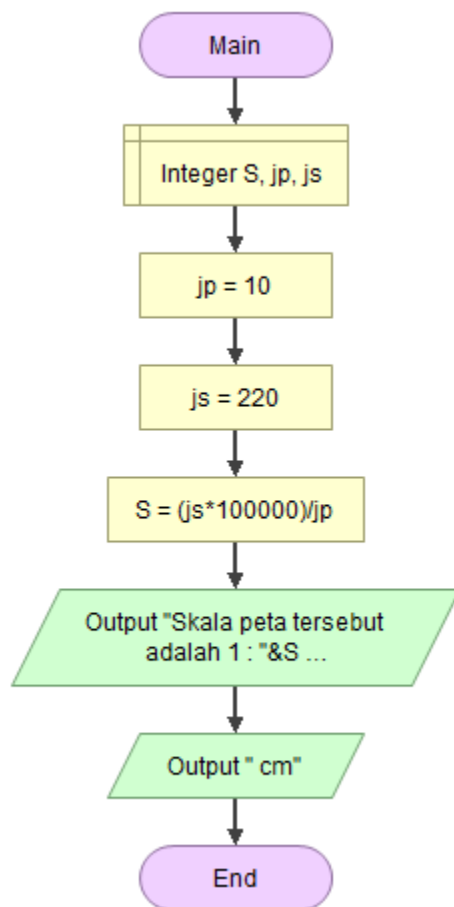
$J_s = 220$  cm

Penyelsaian :  $S = J_s / J_p$

10 cm: 220km x 100.000

10 cm: 22.000.000

1 : 2.200.000



2. jarak sesungguhnya antara Seteng dan Labuhan Badas?

Dik: Skala=1:5000.000

Jarak antara Seteng dan Labuhan Badas=20 cm

Dit:Js....?

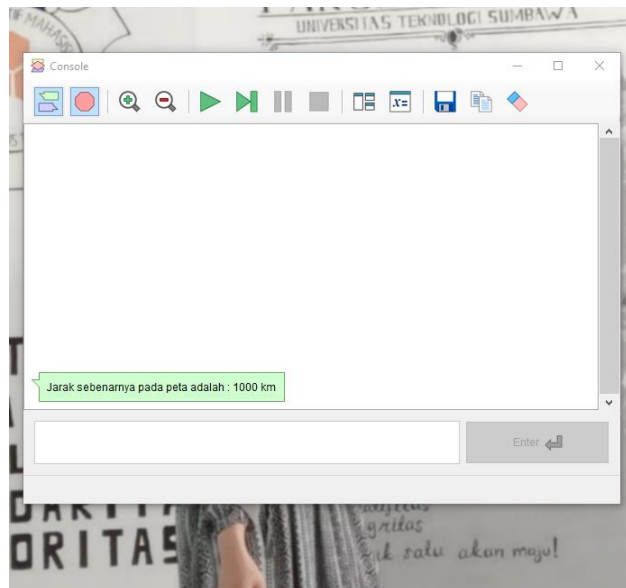
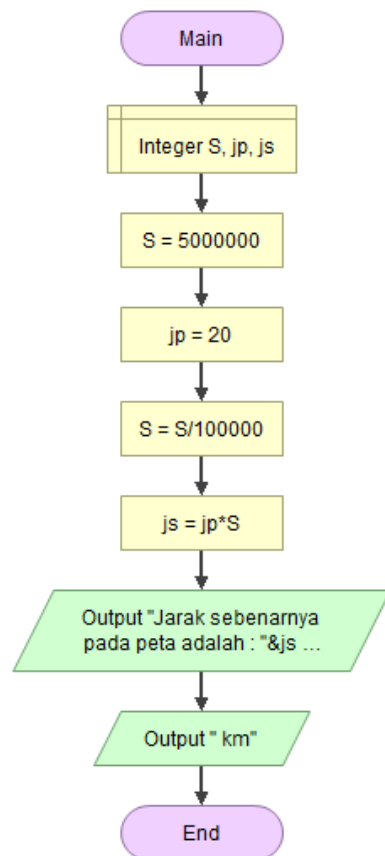
$$Js = Jp/s$$

$$Js = 20/1:5000.000$$

$$Js = 20 \times 5000.000/1$$

$$= 100.000.000/1$$

$$Js = 1000 \text{ km}$$

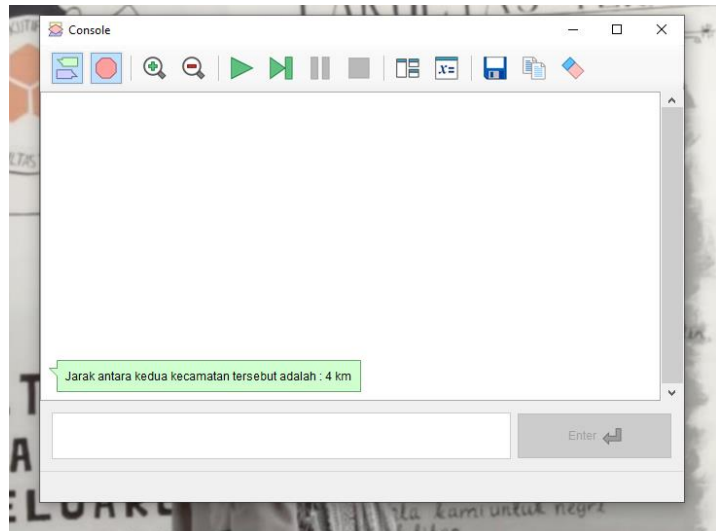
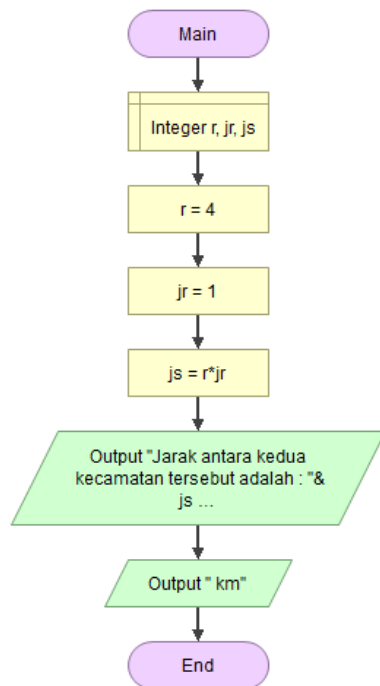


3. Berapakah jarak antara kedua kecamatan sesungguhnya?

Penyelsaian :  $100.000 \times 4 \text{ ruas}$

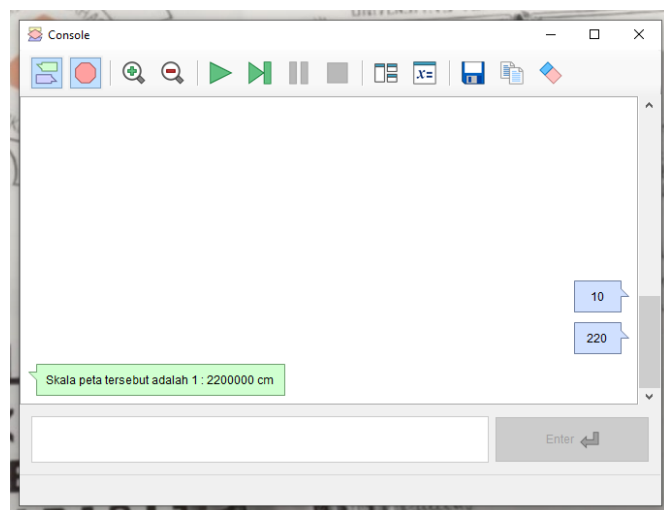
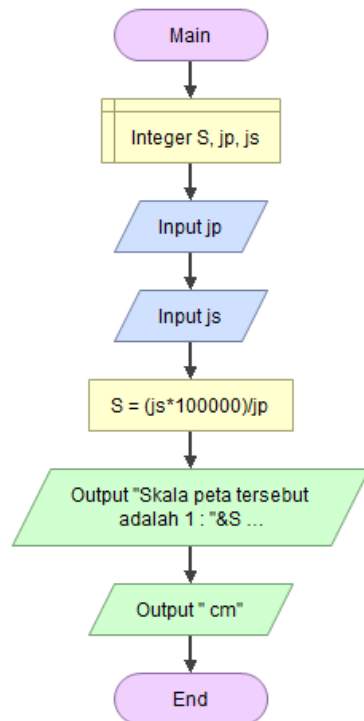
$$= 400.000 \text{ cm}$$

=4 km

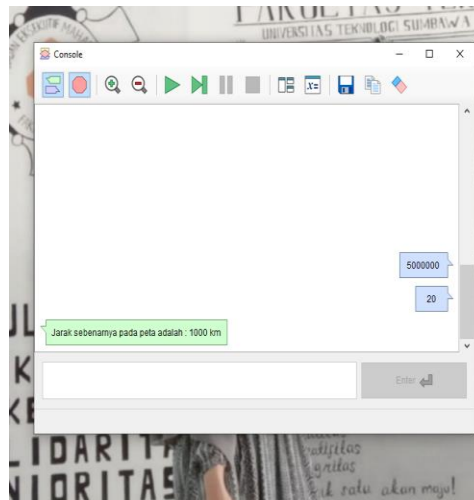
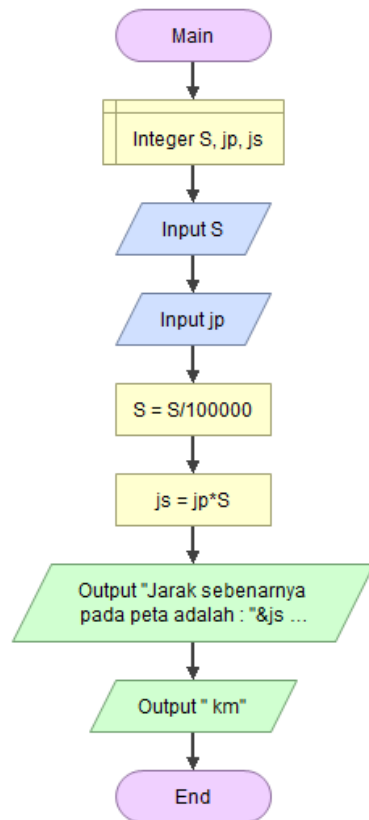


## ➤ KONSEP 2

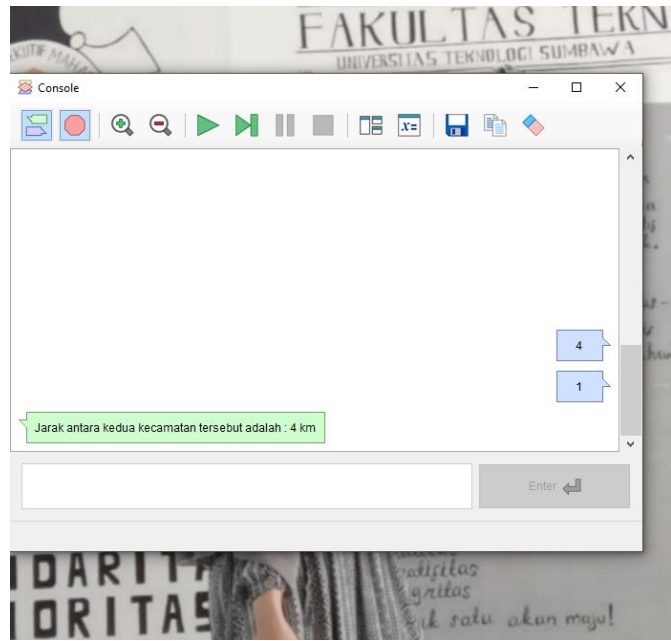
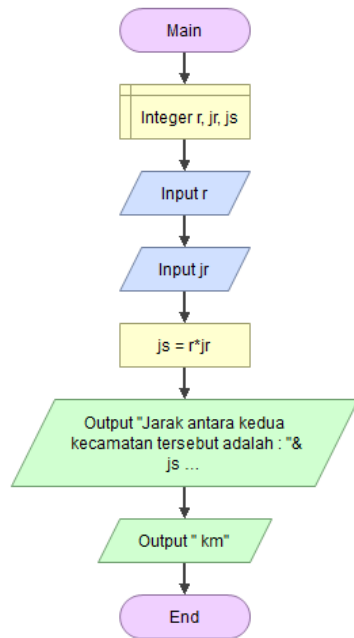
1. Berapakah skala peta tersebut jika berdasarkan satuan cm?



2. jarak sesungguhnya antara Seteng dan Labuhan Badas?



3. Berapakah jarak antara kedua kecamatan sesungguhnya?



## ➤ Vs-code

```

1 print("Menghitung Skala Peta")
2 print("Masukkan jarak pada peta (Cm) :")
3 jp = int(input())
4 print("Masukkan jarak sebenarnya (Cm) :")
5 j = int(input())
6 jb = j * 100000
7 s = float(jb) / jp
8 print("Jarak sebenarnya adalah (Km) 1 : " + str(s))
9

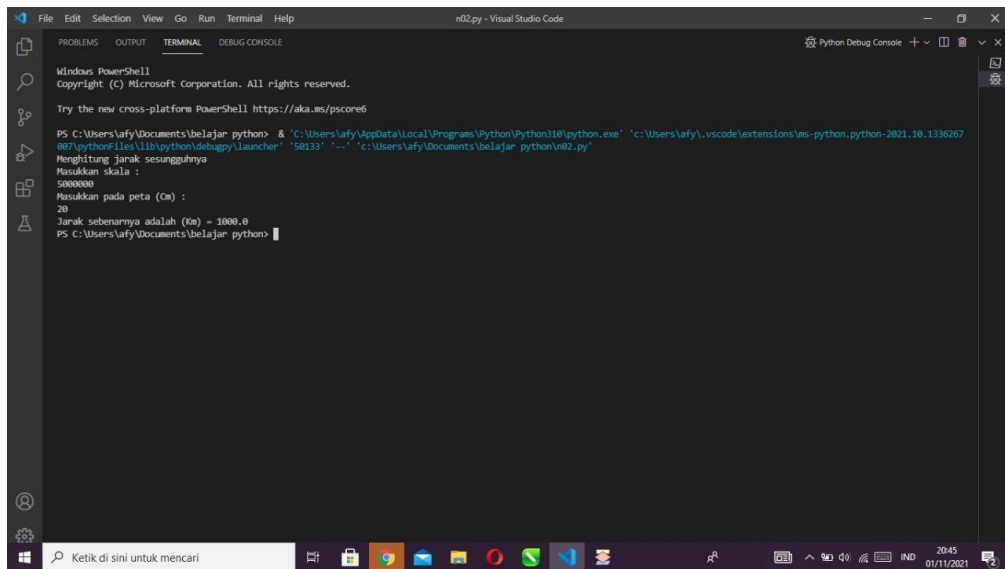
```

```

1 print("Menghitung jarak sesungguhnya")
2 print("Masukkan skala : ")
3 s = int(input())
4 print("Masukkan pada peta (Cm) : ")
5 jp = int(input())
6 js = s * jp
7 j = float(js) / 100000
8 print("Jarak sebenarnya adalah (Km) = " + str(j))
9

```

```
1 print("Menghitung Jarak sebenarnya")
2 print("Masukkan jumlah ruas : ")
3 r = int(input())
4 js = r * 1
5 print("Maka jarak yang sebenarnya adalah (Km) = " + str(js))
6
```

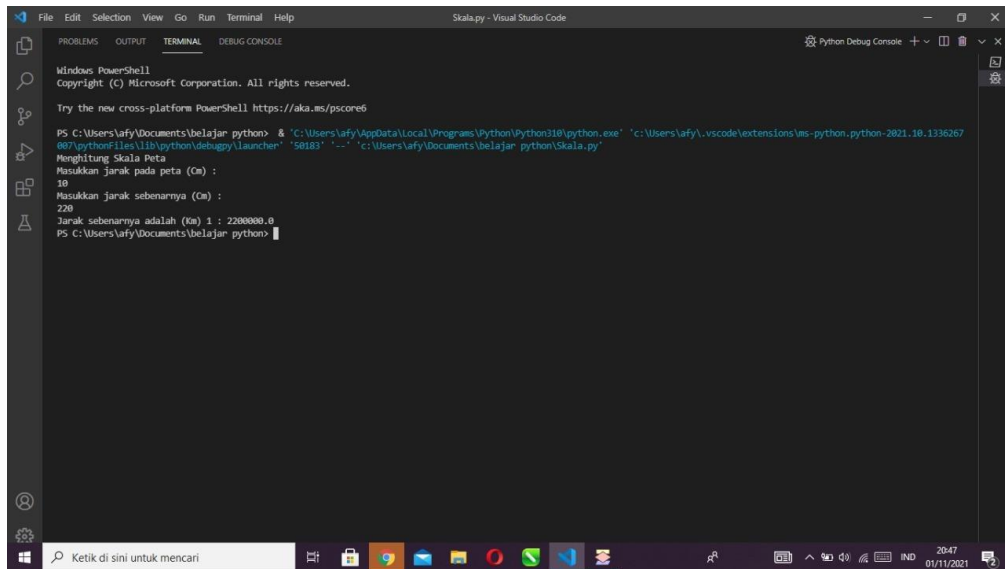


The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of a Python script named `n02.py`. The script prompts the user to input the number of segments (`r`). The user enters `500000`. The script then calculates the actual distance (`js`) as `r * 1`, resulting in `500000`. The output is displayed as `Jarak sebenarnya adalah (Km) = 500000.0`.

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

PS C:\Users\lafy\Documents\belajar\python> & "C:\Users\lafy\AppData\Local\Programs\Python\Python310\python.exe" "c:\Users\lafy\.vscode\extensions\ms-python.python-2021.10.1336267\007\pythonFiles\lib\python\debugpy\launcher" "50133" "-." "c:\Users\lafy\Documents\belajar\python\n02.py"
Menghitung jarak sesungguhnya
Masukkan skala :
500000
Masukkan pada peta (km) :
20
Jarak sebenarnya adalah (Km) = 500000.0
PS C:\Users\lafy\Documents\belajar\python>
```



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of a Python script named `Skala.py`. The script prompts the user to input the number of segments (`r`). The user enters `10`. The script then calculates the actual distance (`js`) as `r * 1`, resulting in `10`. The output is displayed as `Jarak sebenarnya adalah (Km) = 10.0`.

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

PS C:\Users\lafy\Documents\belajar\python> & "C:\Users\lafy\AppData\Local\Programs\Python\Python310\python.exe" "c:\Users\lafy\.vscode\extensions\ms-python.python-2021.10.1336267\007\pythonFiles\lib\python\debugpy\launcher" "50183" "-." "c:\Users\lafy\Documents\belajar\python\Skala.py"
Menghitung Skala Peta
Masukkan jarak pada peta (km) :
10
Masukkan jarak sebenarnya (km) :
220
Jarak sebenarnya adalah (Km) = 10.0
PS C:\Users\lafy\Documents\belajar\python>
```

```
File Edit Selection View Go Run Terminal Help jarak sebenarnya 2.py - Visual Studio Code
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE Python Debug Console
Windows PowerShell
Copyright (c) Microsoft Corporation. All rights reserved.

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

PS C:\Users\lafy\Documents\belajar python> & "C:\Users\lafy\AppData\Local\Programs\Python\Python310\python.exe" "c:\Users\lafy\.vscode\extensions\ms-python.python-2021.10.1336267
007\pythonFiles\lib\python\debugpy\launcher" "50246" "-." "c:\Users\lafy\Documents\belajar python\jarak sebenarnya 2.py"
Menghitung Jarak sebenarnya
Masukkan jumlah ruas :
4
Maka jarak yang sebenarnya adalah (Km) = 4
PS C:\Users\lafy\Documents\belajar python>
```

Ketik di sini untuk mencari

20:50  
01/11/2021