

Nama : Tiara Amalia Insani

NIM : 2511532019

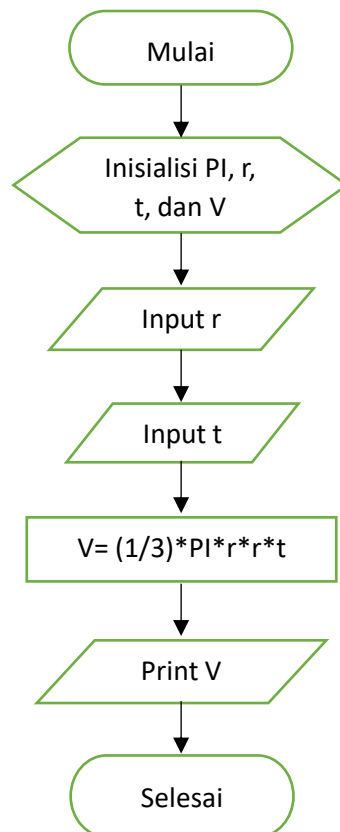
Kelas : A

Tugas Pekan 3

1. Pseudocode

Judul Program menghitung volume kerucut
Deklarasi Var r, t, V : real Var PI : real \leftarrow 3,14
Pseudocode 1. Input r 2. Input t 3. $V \leftarrow (1/3)*3,14*r*r*t$ 4. Print V

2. Flowchart



3. Kode Java

```
1. package pekan3;
2.
3. import java.util.Scanner;
4.
5. public class VolumeKerucut {
6.
7.     public static void main(String[] args) {
8.         //deklarasi variabel
9.         double r,t,V;
10.        final double PI = 3.14;
11.        //input dari user
12.        Scanner keyboard = new Scanner(System.in);
13.        System.out.println("Masukkan jari-jari kerucut:");
14.        r=keyboard.nextDouble();
15.        System.out.println("Masukkan tinggi kerucut:");
16.        t=keyboard.nextDouble();
17.        keyboard.close();
18.        //proses hitung volume kerucut
19.        V=(1.0/3.0)*PI*r*r*t;
20.        //output hasil
21.        System.out.println("Volume kerucut =" +V);
22.    }
23.
24. }
```

4. Output program

```
Masukkan jari-jari kerucut:
10
Masukkan tinggi kerucut:
13
Volume kerucut =1360.6666666666667
```

5. Bahasa Natural

- a. Inisialisasi PI,r,t,dan V
- b. Input r
- c. Input t
- d. $V = \frac{1}{3} \cdot \text{PI} \cdot r \cdot r \cdot t$
- e. Print V