TUGAS PRAKTIKUM

ALGORITMA DAN PEMROGRAMAN

TUGAS PRAKTIKUM PEKAN 5

Disusun Oleh:

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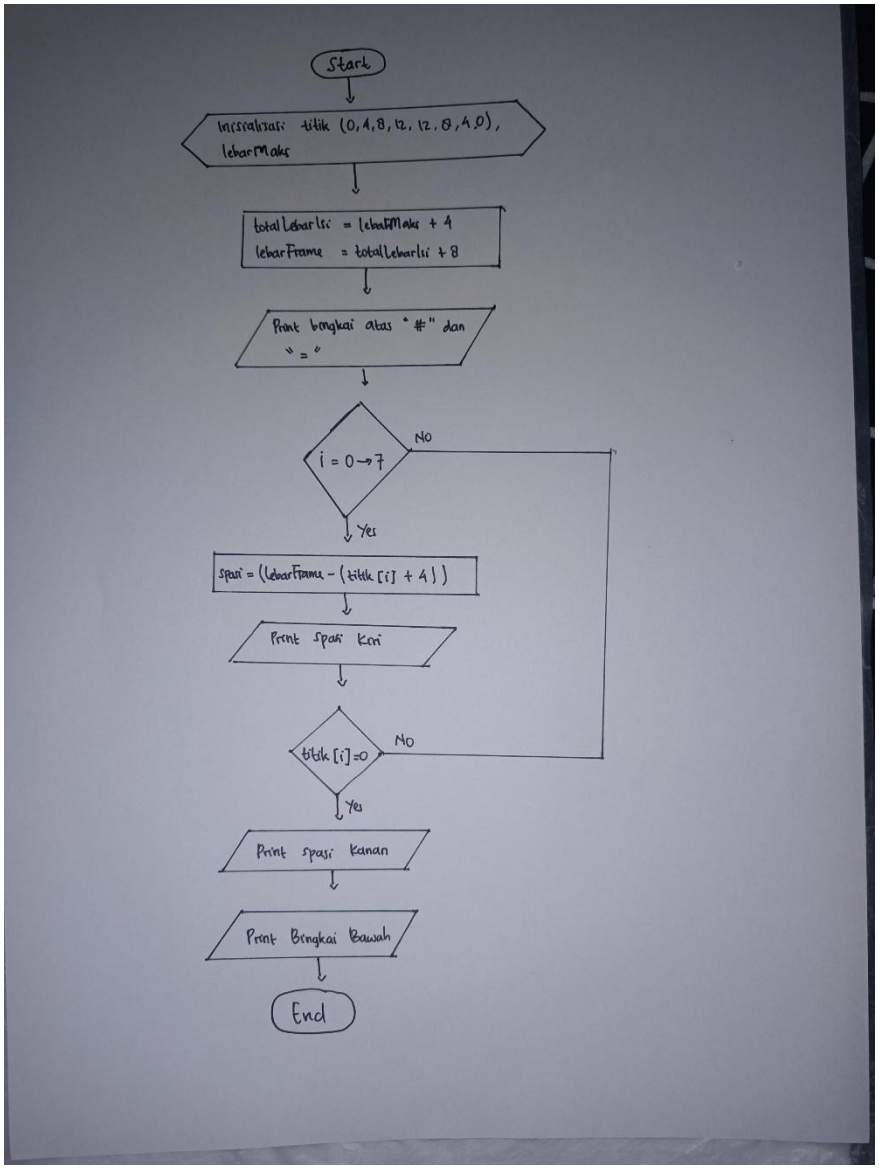
1. Kode Program

```java
package pekan5;

public class tugasNestedFor1 {
    public static void main(String[] args) {
    int[] titik = {0, 4, 8, 12, 12, 8, 4, 0};
    int lebarMaks = 12;
    int lebarIsi = lebarMaks + 4;
    int lebarFrame = lebarIsi + 8;

    System.out.print("#");
    for (int i = 0; i < lebarFrame; i++) {
        System.out.print("=");
    }
    System.out.println("#");

    for (int i=0; i< titik.length; i++) {
        System.out.print("|");

        int spasi = (lebarFrame - (titik[i] + 4)) /2;
        for (int s= 0; s< spasi; s++) {
            System.out.print(" ");
        }
        if (titik[i] == 0) {
            System.out.print("<><>");
        } else {
            System.out.print("<>");
            for (int j = 0; j< titik[i]; j++) {
                System.out.print(".");
            }
            System.out.print("<>");
        }
        for (int s=0; s<spasi; s++) {
            System.out.print(" ");
        }
        System.out.println("|");
    }
    System.out.print("#");
    for (int i = 0; i<lebarFrame; i++) {
        System.out.print("=");
    }
    System.out.println("#");
```

2. Flowchart



3. Pseudocode

Judul
Nested For
Deklarasi
Int titik, lebarMaks, totalLebarIsi, lebarFrame
Pseudocode
1. totalLebarIsi = lebarMaks +4 lebarFrame = totalLebarIsi + 8

2. print bingkai atas “#” , “=”
3. i = 0 → 7 ?
4. ya → spasi = (lebarFrame – (titik [i] + 4))
   print spasi kiri
5. tidak → titik [i] = 0 ?
6. ya → print spasi kanan
7. tidak → back to langkah 3
8. print bingkai bawah