

TUGAS PRAKTIKUM
ALGORITMA DAN PEMROGRAMAN
TUGAS PRAKTIKUM PEKAN 6

Disusun Oleh:

Syasya Halwa Gazwani
(2511531018)

Dosen Pengampu:

Dr. Wahyudi, S.T, M.T

Asisten Praktikum:

Muhammad Zaki Al Hafiz



DEPARTEMEN INFORMATIKA
FAKULTAS TEKNOLOGI INFORMASI
UNIVERSITAS ANDALAS
PADANG
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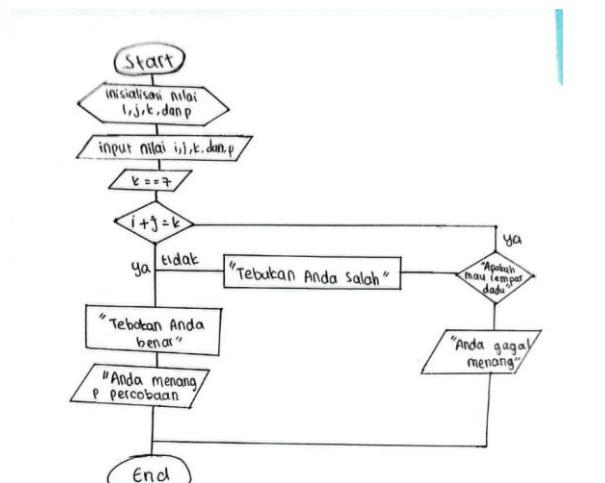
1. Kode Program

```

1 package pekan6_2511531018;
2
3 import java.util.Random;
4 import java.util.Scanner;
5
6 public class TugasPekan6 {
7
8     public static void main(String[] args) {
9         Scanner input = new Scanner(System.in);
10        Random rand = new Random();
11        int tries = 0;
12        String jawab = "ya";
13
14        do {
15            int dadu1 = rand.nextInt(6) + 1;
16            int dadu2 = rand.nextInt(6) + 1;
17            int sum = dadu1 + dadu2;
18            tries++;
19            System.out.println(dadu1 + " + " + dadu2 + " = " + sum);
20
21            if (sum == 7) {
22                System.out.println("Tebakan Anda Benar");
23                System.out.println("Anda menang setelah " + tries + " percobaan!");
24                break;
25            } else {
26                System.out.println("Tebakan Anda Salah");
27                System.out.print("Apakah mau lempar dadu (ya/tidak)");
28                jawab = input.next();
29            }
30
31        } while (!jawab.equals("ya"));
32
33        if (!jawab.equals("ya")) {
34            System.out.println("Anda gagal menang");
35        }
36
37        input.close();

```

2. Flowchart



3. Pseudocode

Judul
Penjumlahan dadu1 dan dadu2
Deklarasi
<pre>input : Scanner; rand : Random; jawab : String; dadu1, dadu2, jumlah, percobaan : Integer; menang : Boolean;</pre>
Pseudocode
<pre>tries = 0 jawab = "ya" dadu1 = bilangan acak (1, 6) dadu2 = bilangan acak (1, 6) sum = dadu1 + dadu2 tries = tries + 1 print ("dadu1" + " + " + "dadu2" + " = " + "sum") if sum == 7 then print ("Tebakan Anda Benar") print ("Anda menang setelah " + tries + " percobaan!") break print ("Tebakan Anda Salah") print ("Apakah mau lempar dadu (ya/tidak)") read input end if selama (jawab sama dengan "ya") // Lanjutkan jika pengguna menjawab "ya"</pre>

```
if jawab = "tidak" then
    print ("Anda gagal menang")
end if

close input

end
```