

LAPORAN TUGAS 6



Disusun Oleh:

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Kode Program

```
package Pekan6_2511533001;

import java.util.Random;

import java.util.Scanner;

public class Tugas6_2511533001 {

    public static void main(String[] args) {
        Random rand = new Random();
        Scanner input = new Scanner(System.in);
        int tries = 0;
        int sum = 0;
        while (sum != 7) {
            int dadu1 = rand.nextInt(6) + 1;
            int dadu2 = rand.nextInt(6) + 1;
            sum = dadu1 + dadu2;
            tries++;
            System.out.println("\n" + dadu1 + " + " + dadu2 + " = " + sum);

            if (sum != 7) {
                System.out.println ("Tebakan Anda Salah ");
                System.out.print("Apakah mau lempar dadu (ya / tidak?)");
                String jawaban = input.next();

                if (!jawaban.equalsIgnoreCase("ya")) {
                    System.out.println ("Anda gagal menang ");
                    break;
                }
            }
        }
    }
}
```

```
        }

    }

if (sum==7) {

    System.out.println ("Tebakan Anda Benar ");

    System.out.println ("Anda menang setelah " + tries + "percobaan!");

}

input.close();

}

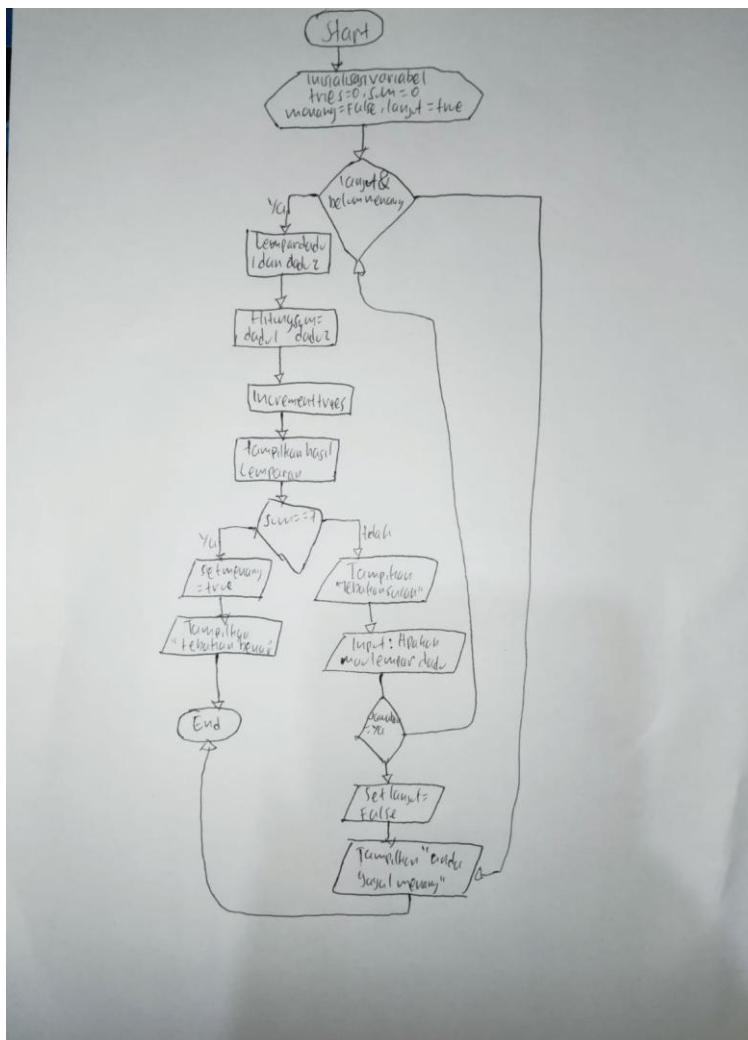
}
```

Output

```
<terminated> Tugas6_2511533001 [Java Ap

1 + 6 = 7
Tebakan Anda Benar
Anda menang setelah 1percobaan!
```

Flowchart



Pseudocode

Judul Program Lempar Dadu (Program simulasi lempar dua dadu hingga mendapatkan jumlah 7)
Deklarasi
1. rand : Random 2. input : Scanner 3. tries, sum, dadu1, dadu2 : Integer 4. jawaban : String 5. menang, lanjut : Boolean

Pseudocode

1. tries ← 0
2. sum ← 0
3. menang ← false
4. lanjut ← true
5. WHILE lanjut = true AND menang = false DO
 1. dadu1 ← random(1-6)
 2. dadu2 ← random(1-6)
 3. sum ← dadu1 + dadu2
 4. tries ← tries + 1
 5. Tampilkan dadu1 + " + dadu2 + " = " + sum
6. IF sum = 7 THEN
 1. menang ← true
 2. Tampilkan "Tebakan Anda Benar"
 3. Tampilkan "Anda menang setelah " + tries + " percobaan!"
7. ELSE
 1. Tampilkan "Tebakan Anda Salah"
 2. Baca jawaban
 3. IF jawaban ≠ "ya" THEN
 1. lanjut ← false
 2. Tampilkan "Anda gagal menang" 6. Tutup input