

LAPORAN TUGAS 6



Disusun Oleh:

IHSANUL ZAKY EL-MUHAMMADY

NIM:2511533001

DOSEN PENGAMPU: Dr.WAHYUDI S.T , M.T

ASISTEN LABORATORIUM: AUFAN TAUFIQUR RAHMAN

DEPARTEMEN IN FORMATIKA

FAKULTAS TEKNOLOGI INFORMASI

UNIVERSITAS ANDALAS

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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;
                }
            }
        }
    }
}
```

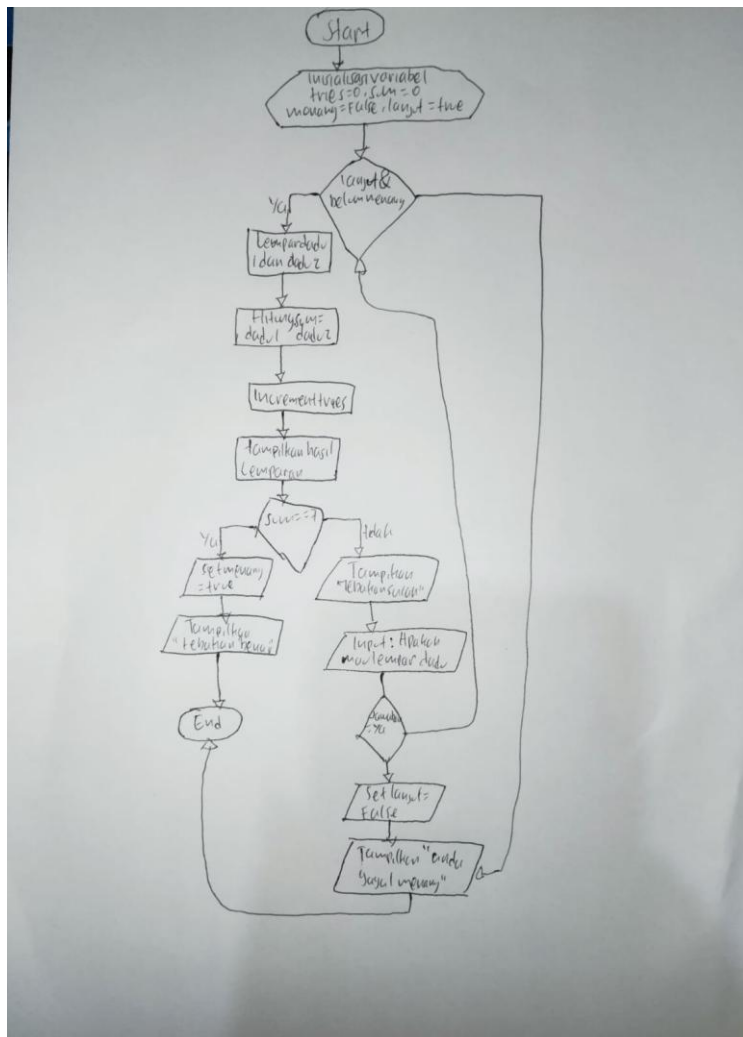
```
        }  
    }  
    if (sum==7) {  
        System.out.println ("Tebakan Anda Benar ");  
        System.out.println ("Anda menang setelah " + tries + "percobaan!");  
    }  
    input.close();  
}  
}
```

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 \leftarrow 0
2. sum \leftarrow 0
3. menang \leftarrow false
4. lanjut \leftarrow true
5. WHILE lanjut = true AND menang = false DO
 1. dadu1 \leftarrow random(1-6)
 2. dadu2 \leftarrow random(1-6)
 3. sum \leftarrow dadu1 + dadu2
 4. tries \leftarrow tries + 1
 5. Tampilkan dadu1 + " + " + dadu2 + " = " + sum
6. IF sum = 7 THEN
 1. menang \leftarrow 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 \neq "ya" THEN
 1. lanjut \leftarrow false
 2. Tampilkan "Anda gagal menang" 6. Tutup input