

# **LAPORAN TUGAS PEKAN 5**



**Disusun Oleh:**

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**PADANG 2025**

## CODINGAN

```
package Pekan5;
```

```
public class belahketupat {  
    public static void main(String[] args) {  
        int dot = 4;  
        int n = 4;  
  
        String top = "#";  
        int max = dot * n - 1;  
        for (int i = 0; i < max + 1; i++) {  
            top = top + "=";  
        }  
        top = top + "#";  
        System.out.println(top);  
  
        for (int i = 0; i < n; i++) {  
            String out = "|";  
            int space = (n - 1) * 2;  
            for (int ii = 0; ii < space - 2 * i; ii++) {  
                out = out + " ";  
            }  
  
            out = out + "<>";  
            int d = dot * i;  
            for (int ii = 0; ii < d; ii++) {  
                out = out + ".";  
            }  
            out = out + "<>";  
        }  
    }  
}
```

```

for (int ii = 0; ii < space - 2 * i; ii++) {
    out = out + " ";
}
out = out + "|";

System.out.println(out);
}

```

```

for (int i = 0; i < n; i++) {
    String out = "|";
    int space = 0;
    for (int ii = 0; ii < space + 2 * i; ii++) {
        out = out + " ";
    }

```

```

    out = out + "<>";
    int d = dot * (n - (i + 1));
    for (int ii = 0; ii < d; ii++) {
        out = out + ".";
    }
    out = out + "<>";

```

```

for (int ii = 0; ii < space + 2 * i; ii++) {
    out = out + " ";
}
out = out + "|";

System.out.println(out);

```

```

    }

    String bottom = "#";

    // int max = dot * n - 1;

    for (int i = 0; i < max + 1; i++) {

        bottom = bottom + "=";

    }

    bottom = bottom + "#";

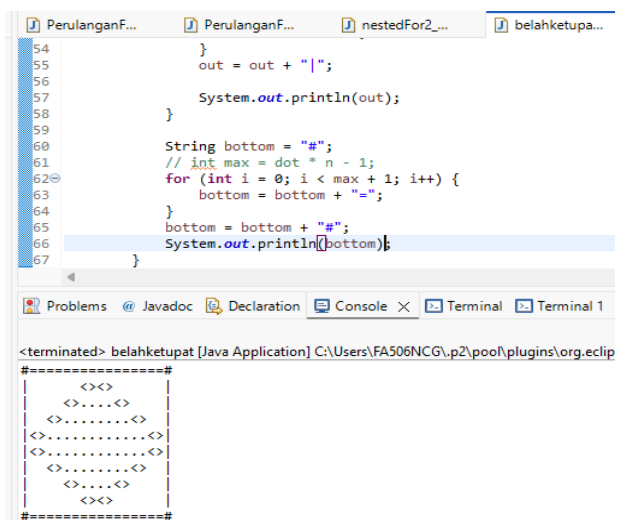
    System.out.println(bottom);

}

}

```

## OUTPUT



```

54     }
55     out = out + "|";
56
57     System.out.println(out);
58 }
59
60 String bottom = "#";
61 // int max = dot * n - 1;
62 for (int i = 0; i < max + 1; i++) {
63     bottom = bottom + "=";
64 }
65 bottom = bottom + "#";
66 System.out.println(bottom);
67 }

```

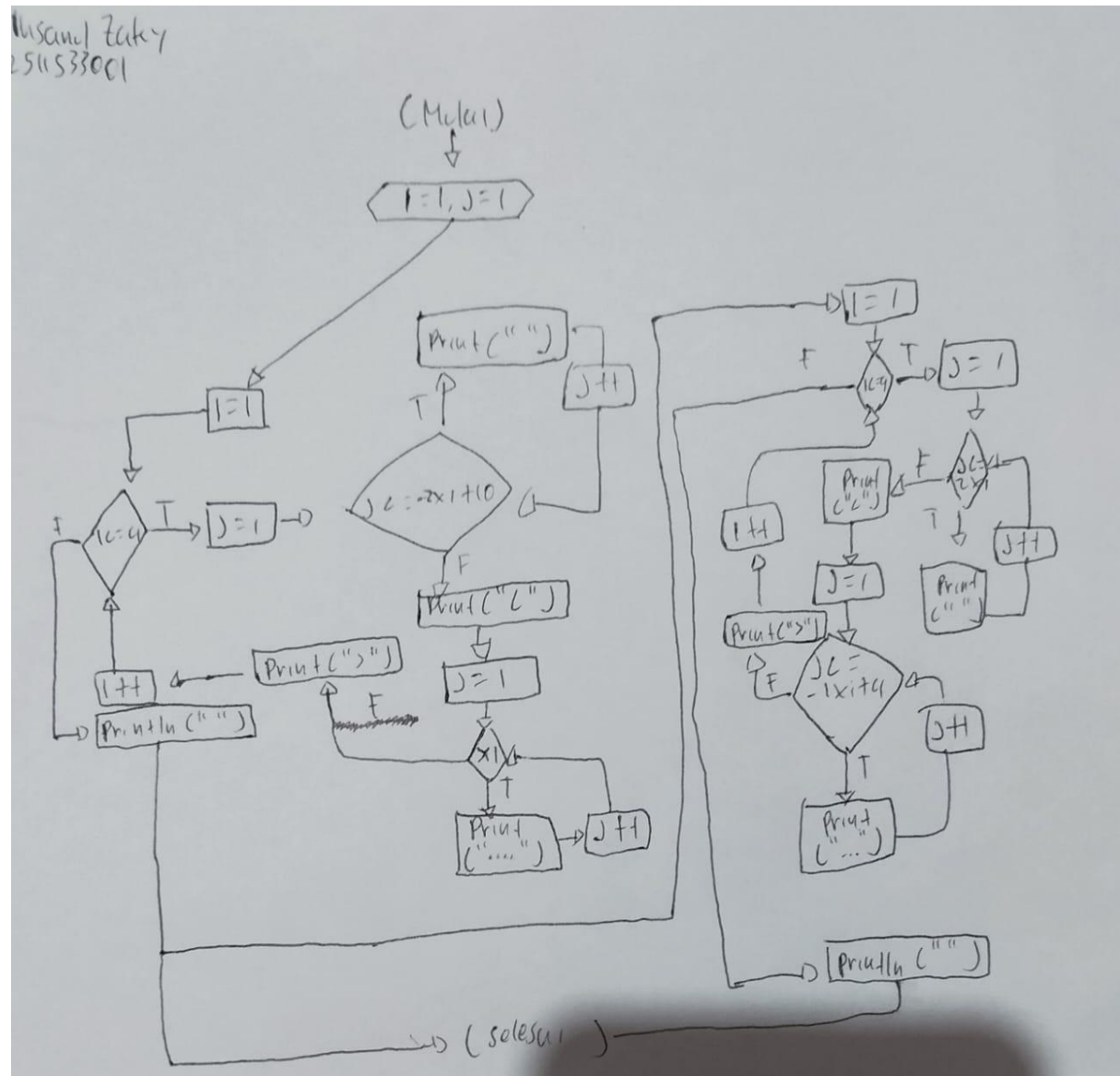
<terminated> belahketupat [Java Application] C:\Users\FA506NCG\p2\pool\plugins\org.eclipse

```

=====#
      <><>
    <>...<>
  <>.....<>
<>.....<>
<>.....<>
  <>.....<>
    <>...<>
      <><>
=====#

```

# FLOWCHART



## Pseudocode

### Judul

Program Mencetak Pola Belah Ketupat dengan Border

(program mencetak pola belah ketupat menggunakan karakter khusus dengan border atas dan bawah)

### Deklarasi

1. Var titik, ukuran, panjang, i, j, k, spasi, jumlahTitik : Integer;
2. Var garisAtas, baris, garisBawah : String;

### Pseudocode

1. titik  $\leftarrow$  4
2. ukuran  $\leftarrow$  4
3. garisAtas  $\leftarrow$  "#"
4. panjang  $\leftarrow$  titik \* ukuran - 1
5. FOR i  $\leftarrow$  0 TO panjang DO
6.   garisAtas  $\leftarrow$  garisAtas + "="
7. END FOR
8. garisAtas  $\leftarrow$  garisAtas + "#"
9. PRINT garisAtas
10. FOR i  $\leftarrow$  0 TO ukuran-1 DO
11.   baris  $\leftarrow$  "|"
12.   spasi  $\leftarrow$  (ukuran - 1) \* 2
13.   FOR j  $\leftarrow$  0 TO spasi - 2\*i - 1 DO
14.     baris  $\leftarrow$  baris + " "
15.   END FOR
16.   baris  $\leftarrow$  baris + "<"
17.   jumlahTitik  $\leftarrow$  titik \* i
18.   FOR k  $\leftarrow$  0 TO jumlahTitik - 1 DO
19.     baris  $\leftarrow$  baris + "."
20.   END FOR
21.   baris  $\leftarrow$  baris + ">"
22.   FOR j  $\leftarrow$  0 TO spasi - 2\*i - 1 DO
23.     baris  $\leftarrow$  baris + " "
24.   END FOR
25.   baris  $\leftarrow$  baris + "|"

```
26. PRINT baris
27. END FOR
28. FOR i ← 0 TO ukuran-1 DO
29.   baris ← "|"
30.   spasi ← 0
31.   FOR j ← 0 TO 2*i - 1 DO
32.     baris ← baris + " "
33.   END FOR
34.   baris ← baris + "<>"
35.   jumlahTitik ← titik * (ukuran - i - 1)
36.   FOR k ← 0 TO jumlahTitik - 1 DO
37.     baris ← baris + "."
38.   END FOR
39.   baris ← baris + "<>"
40.   FOR j ← 0 TO 2*i - 1 DO
41.     baris ← baris + " "
42.   END FOR
43.   baris ← baris + "|"
44. PRINT baris
45. END FOR

46. garisBawah ← "#"
47. FOR i ← 0 TO panjang DO
48.   garisBawah ← garisBawah + "="
49. END FOR
50. garisBawah ← garisBawah + "#"
51. PRINT garisBawah
```