

TUGAS PEKAN 5 ALPRO

PERULANGAN FOR

NAMA : Dennis Shauqi Akbar

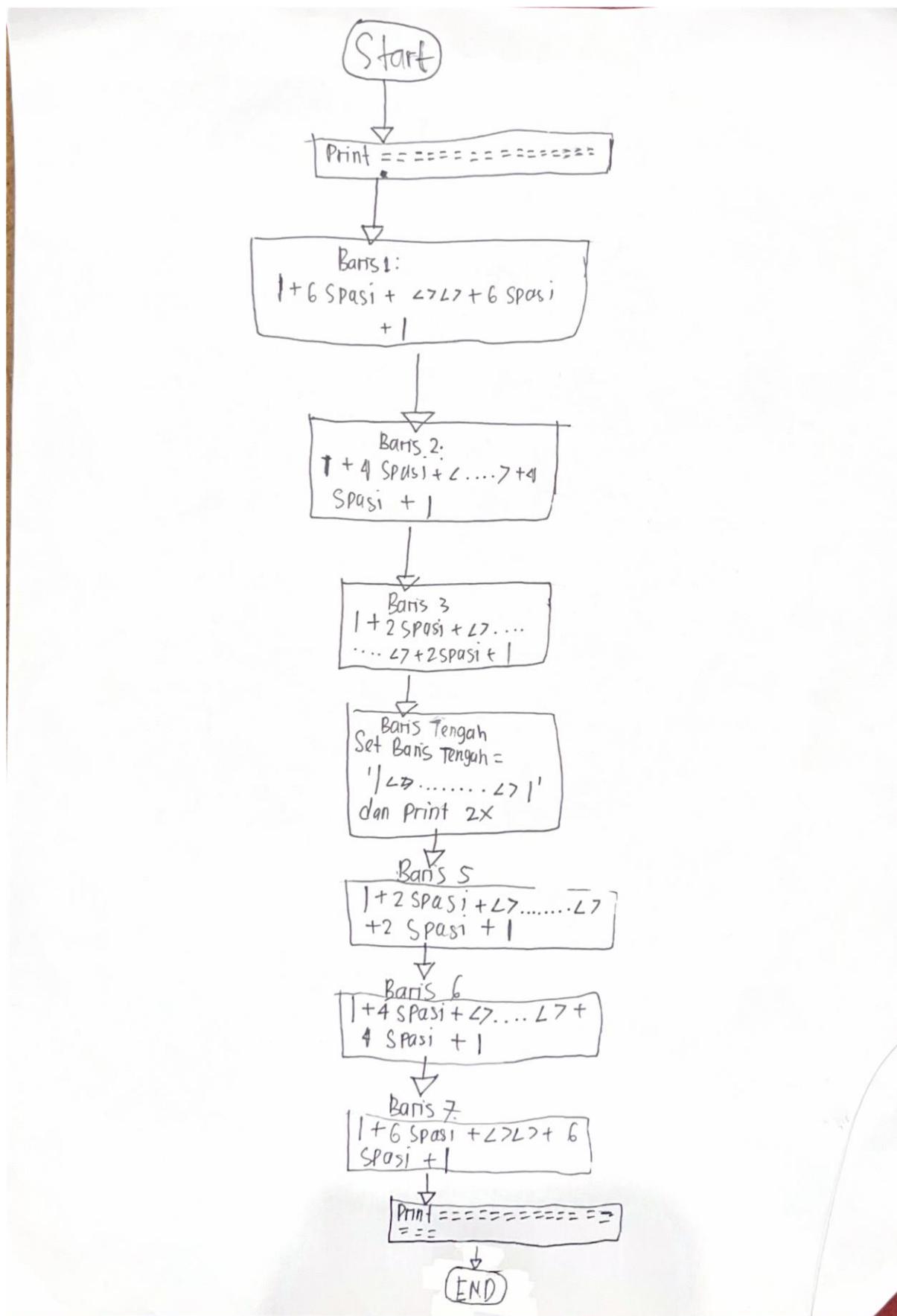
NIM : 2511533020

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



DEPARTEMEN INFORMATIKA
FAKULTAS TEKNOLOGI INFORMASI
UNIVERSITAS ANDALAS
2025

1. FLOWCHART



2. PSEUDOCODE

JUDUL	Algoritma Pola_BelahKetupat { Mencetak pola berbentuk belah ketupat di dalam bingkai menggunakan karakter khusus dengan perulangan for untuk mengatur jarak (spasi) dan simbol.}
DEKLARASI	i : integer barisTengah ; string
ALGORITMA	1. Cetak "#=====#" 2. Cetak " " 3. for i ← 0 to 5 do 4. Cetak " " 5. endfor 6. Cetak "<><>" 7. for i ← 0 to 5 do 8. Cetak " " 9. endfor 10. Cetak " " dan ganti baris 11. Cetak " " 12. for i ← 0 to 3 do 13. Cetak " " 14. endfor 15. Cetak "<>....<>" 16. for i ← 0 to 3 do 17. Cetak " " 18. endfor 19. Cetak " " dan ganti baris 20. Cetak " " 21. for i ← 0 to 1 do 22. Cetak " " 23. endfor 24. Cetak "<>.....<>" 25. for i ← 0 to 1 do 26. Cetak " " 27. endfor 28. Cetak " " dan ganti baris 29. barisTengah ← " <> <> " 30. Cetak barisTengah

	31. Cetak barisTengah 32. Cetak " " 33. for i ← 0 to 1 do 34. Cetak " " 35. endfor 36. Cetak "<.....>" 37. for i ← 0 to 1 do 38. Cetak " " 39. endfor 40. Cetak " " dan ganti baris 41. Cetak " " 42. for i ← 0 to 3 do 43. Cetak " " 44. endfor 45. Cetak "<....>" 46. for i ← 0 to 3 do 47. Cetak " " 48. endfor 49. Cetak " " dan ganti baris 50. Cetak " " 51. for i ← 0 to 5 do 52. Cetak " " 53. endfor 54. Cetak "<><>" 55. for i ← 0 to 5 do 56. Cetak " " 57. endfor 58. Cetak " " dan ganti baris 59. Cetak "#=====#" 60. Selesai
--	--

KODE PROGRAM

```
1 package alprotugas;
2
3 public class TugasAlproPekan5_2511533020 {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         System.out.println("#=====#");
8
9         System.out.print("|");
10        for (int i = 0; i < 6; i++) {
11            System.out.print(" ");
12        }
13        System.out.print("<><>");
14        for (int i = 0; i < 6 ; i++) {
15            System.out.print(" ");
16        }
17    }
18    System.out.println("|");
19
20
21    System.out.print("|");
22    for (int i = 0; i < 4; i++) {
23        System.out.print(" ");
24    }
25    System.out.print("<>....<>");
26    for (int i = 0; i < 4; i++) {
27        System.out.print(" ");
28    }
29    System.out.println("|");
30
31
32    System.out.print("|");
33    for (int i = 0; i < 2; i++) {
34        System.out.print(" ");
35    }
36    System.out.print("<>.....<>");
37    for (int i = 0; i < 2; i++) {
38        System.out.print(" ");
39    }
40    System.out.println("|");
41
42    String barisTengah = "|<> ..... <>|";
43    System.out.println(barisTengah);
44    System.out.println(barisTengah);
45
46    System.out.print("|");
47    for (int i = 0; i < 2; i++) {
48        System.out.print(" ");
49    }
50    System.out.print("<>.....<>");
51    for (int i = 0; i < 2; i++) {
52        System.out.print(" ");
53    }
54    System.out.println("|");
55
56
57    System.out.print("|");
58    for (int i = 0; i < 4; i++) {
59        System.out.print(" ");
60    }
61    System.out.print("<>....<>");
62    for (int i = 0; i < 4; i++) {
63        System.out.print(" ");
64    }
65    System.out.println("|");
66
67
68    System.out.print("|");
69    for (int i = 0; i < 6; i++) {
70        System.out.print(" ");
71    }
72    System.out.print("<><>");
73    for (int i = 0; i < 6 ; i++) {
74        System.out.print(" ");
75    }
76}
```

```
39    }
40    System.out.println("|");
41
42    String barisTengah = "|<> ..... <>|";
43    System.out.println(barisTengah);
44    System.out.println(barisTengah);
45
46    System.out.print("|");
47    for (int i = 0; i < 2; i++) {
48        System.out.print(" ");
49    }
50    System.out.print("<>.....<>");
51    for (int i = 0; i < 2; i++) {
52        System.out.print(" ");
53    }
54    System.out.println("|");
55
56
57    System.out.print("|");
58    for (int i = 0; i < 4; i++) {
59        System.out.print(" ");
60    }
61    System.out.print("<>....<>");
62    for (int i = 0; i < 4; i++) {
63        System.out.print(" ");
64    }
65    System.out.println("|");
66
67
68    System.out.print("|");
69    for (int i = 0; i < 6; i++) {
70        System.out.print(" ");
71    }
72    System.out.print("<><>");
73    for (int i = 0; i < 6 ; i++) {
74        System.out.print(" ");
75    }
76}
```

```
77         }
78         System.out.println(" | ");
79
80
81         System.out.println("#=====#");
82     }
83 }
84
```

HASIL OUTPUT

```
<terminated> TugasAlproPekan5_2511533020 [Java]
#=====
|      <><>      |
|      <>....<>    |
|      <>.....<>   |
|<> .....<>     |
|<> .....<>     |
|      <>.....<>   |
|      <>....<>    |
|          <><>    |
#=====
```