**Tugas Membuat Pseudocode dan Flowchart**

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**Program** tugas\_algoritma;

**Deklarasi :**

Var state,p,l,s:shortInt;

Luas,Kel,a,b:Integer;

isExit:String;

**Algoritma :**

Repeat

Write(‘ 1. Menghitung Bangun Ruang’);

Write(‘2. Menampilkan Perulangan’);

Input state;

Read(state);

If state = 1 then begin

Write(‘1. Menghitung Luas dan Keliling Persegi Panjang’);

Write(‘2. Menghitung Luas dan Keliling Persegi);

Input state;

Read(state);

If state = 1 then begin

Input panjang(p);

Read(p);

Input Lebar(l);

Read(l);

Luas ← p \* l;

Kel ← 2\*(p +l);

Write (‘Luas Persegi Panjang : ‘, Luas);

Write(‘Keliling Persegi Panjang:’ , Kel);

end

Else If state = 2 then begin

Input sisi (s);

Read(s);

Luas ← s \* s;

Kel ← 4 \* s;

Write(‘Luas Persegi :’, Luas);

Write(‘Keliling Persegi:’, Kel);

end

end

Else if state = 2 then begin

Write(‘1. Perulangan WHILE DO’);

Write(‘2. Perulangan FOR TO DO’);

Input state;

Read(state);

If state = 1 then begin

a ← 1;

While a <= 5 do begin

B ← 1;

While b <= a do begin

Write(‘\* ‘);

Inc(b);

end;

Inc(a);

Write(‘ ‘);

end;

end

Else if state = 2 then begin

a ← 1;

for a:=5 downto 1 do begin

for b:=1 to a do begin

Write(‘\* ‘);

end;

Write(‘ ‘);

end;

end

end

else begin

write(‘Nomor yang anda masukkan tidak valid’);

continue;

end;

Write(‘ Y/N’);

Read(isExit);

isExit ← UpCase (isExit);

If isExit=’Y’ then begin

continue;

end

else begin

exit;

end;

read

until false;

