

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 \leftarrow p * l;

Kel \leftarrow 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  $\leftarrow$  s * s;  
Kel  $\leftarrow$  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  $\leftarrow$  1;  
While a <= 5 do begin  
B  $\leftarrow$  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;
```

