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Quiz Session 1

Flowchart:

1.

```
MULAI
```

↓

Input
gol,lembur

↓

if(gol = 1)
then —**TRUE**→ gaji:= 2500000 → gaji_lembur:=
lembur*50000;

↓ **FALSE**

else if(gol
= 2) then —**TRUE**→ gaji:= 3000000

↓ **FALSE**

else if(gol
= 3) then —**TRUE**→ gaji:= 3500000

↓ **else**

Output "golongan
tidak terdaftar" → **SELESAI**

gaji_kotor:=
gaji+gaji_lembur;

↓

pajak:=
gaji_kotor*0.05;

↓

gaji_bersih:=
gaji_kotor-pajak;

↓

Output gaji_kotor;
pajak:0:0;
gaji_bersih:0:0; → **SELESAI**
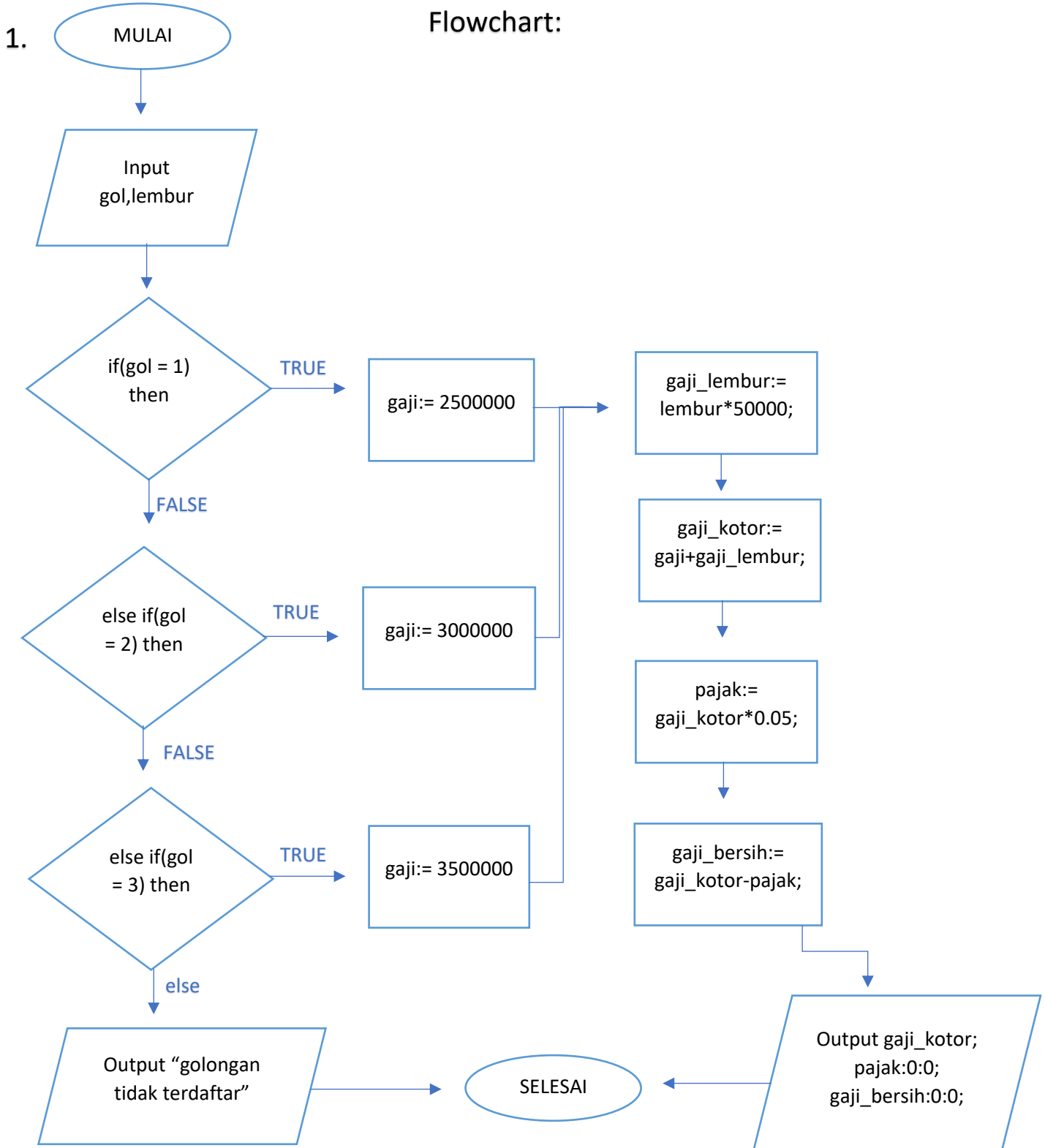
Program:

```pascal
program gaji_pegawai;
uses crt;
var
gol, lembur : integer;
gaji, gaji_lembur, gaji_kotor : longint;
pajak, gaji_bersih : real;
begin
clrscr;
write('Masukkan Golongan Anda :  '); readln(gol);
write('Masukkan Jam Lembur Anda :  '); readln(lembur);
if (gol = 1) then gaji := 2500000
else if (gol = 2) then gaji := 3000000
else if (gol = 3) then gaji := 3500000
else begin
writeln('Golongan Anda tidak terdaftar');
exit();
end;
gaji_lembur := lembur * 50000;
gaji_kotor := gaji + gaji_lembur;
pajak := gaji_kotor * 0.05;
gaji_bersih := gaji_kotor - pajak;
writeln();
writeln('Total Pendapatan Anda ', gaji_kotor);
writeln('Pajak Penghasilan ', pajak:0:0);
writeln('Jumlah Gaji yang Anda Terima ', gaji_bersih:0:0);
end.
```

2. program

```pascal
uses wincrt;

var a, b, c: integer;

begin

write('Masukkan nilai bil 1');

readln(a);

write('Masukkan nilai bil 2');

readln(b);

write('Masukkan nilai bil 3');

readln(c);

if (a>b) and (a>c) then writeln(a) else

if (b>a) and (b>c) then writeln(b) else

writeln(c);

end.
```

Penjelasan, program untuk cek 3 bilangan mana yang paling besar.

3. Algoritma

1. Mulai

2. Inisialisasi variabel a, t, t_limas, vol dengan tipe data real (optional)

3. Masukkan nilai a

4. Masukkan nilai t

5. Masukkan nilai t_limas

6. Hitung volume = 1/3 * 1/2 * a * t * t_limas

7. Tampilkan volume

8. Selesai

Program

```
program vol_limas_segitiga;

uses crt;

var a, t, t_limas, vol : real;

begin

clrscr;

write('Alas Segitiga : '); readln(a);

write('Tinggi Segitiga : '); readln(t);

write('Tinggi Limas : '); readln(t_limas);

vol := 1/3 * 1/2 * a * t * t_limas;

writeln('Volume Limas Segitiga : ', vol:0:2);

end.
```

4. Program

```
uses crt;

begin

writeln((65 and 34) shl 2);

end.
```

Hitung Manual

65 = 0100 0001

34 = 0010 0010

--------------- AND

0000 0000 = 0

0 SHL 2 = 0