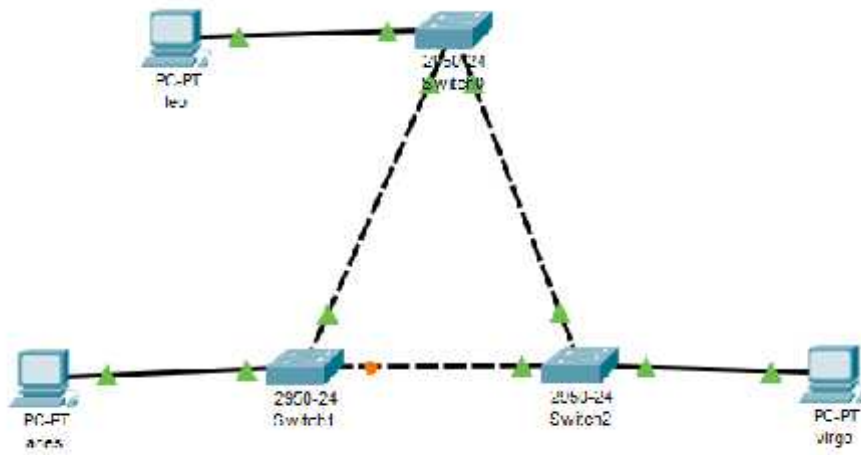Nama : Intan Larasati

NIM : L200170091
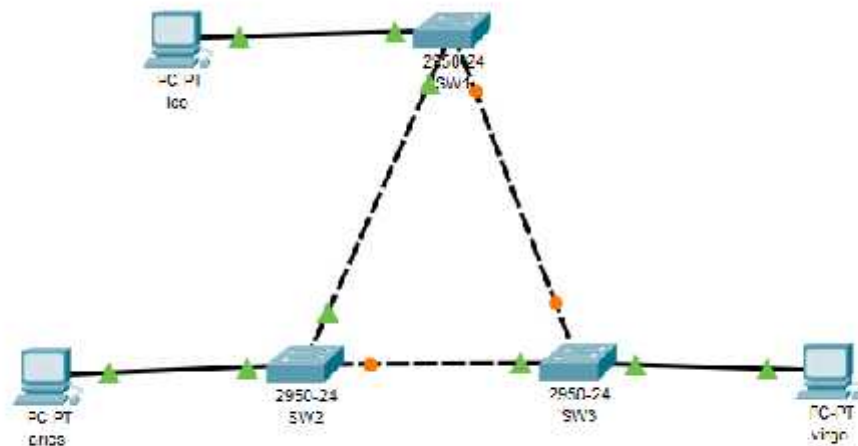
Kelas : B

Kegiatan 1. Topologi 1

1. Menggunakan PACKET TRACER buat topologi berikut ini dengan menggunakan switch Catalyst 2950.
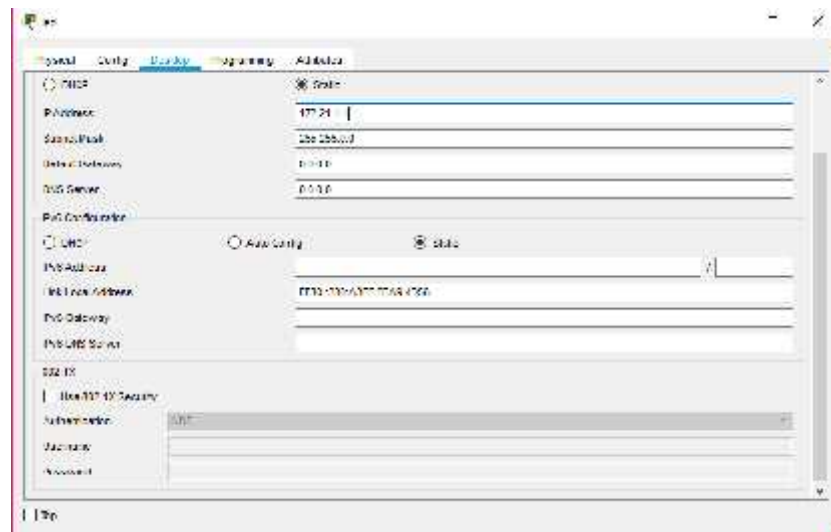

- Tugas 1A : tulis langkah pembuatan topologi.
  Untuk membuat topologi tersebut kita tinggal meng-klik ikon switch
  dan pc yang telah tersedia kemudian menghubungkanya dengan kabel.

2. Beri nama masing-masing switch dengan SW1, SW2, dan SW3
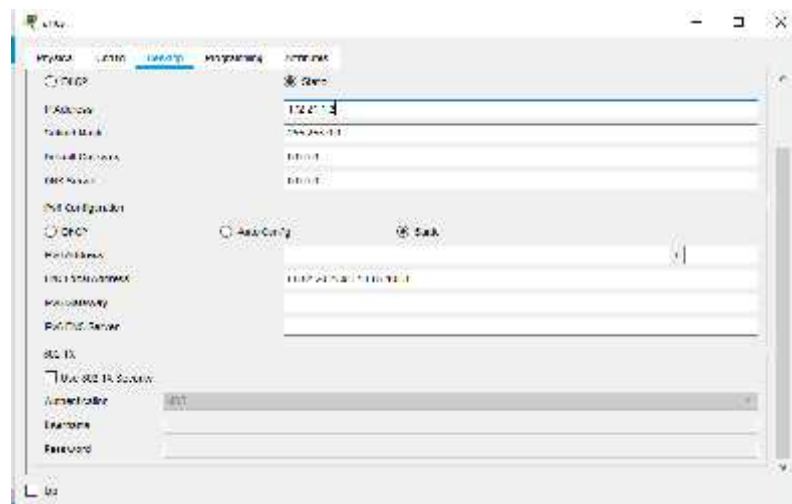
3. Konfigurasi masing-masing pc dengan alamat IP:
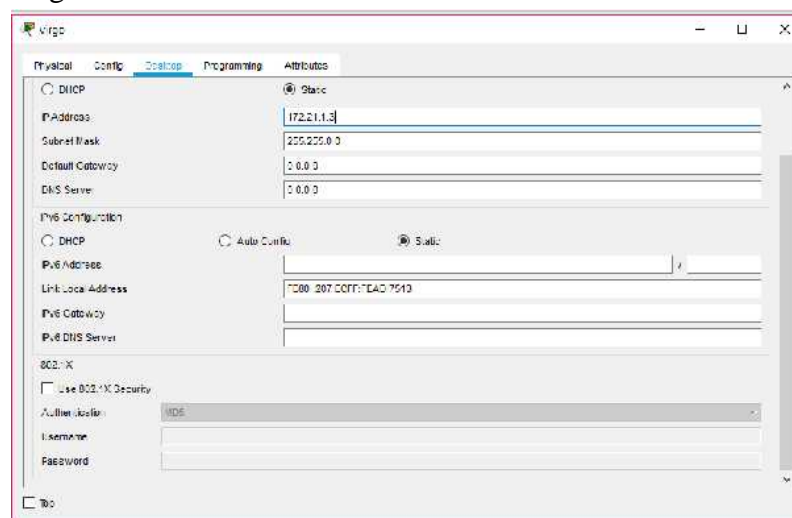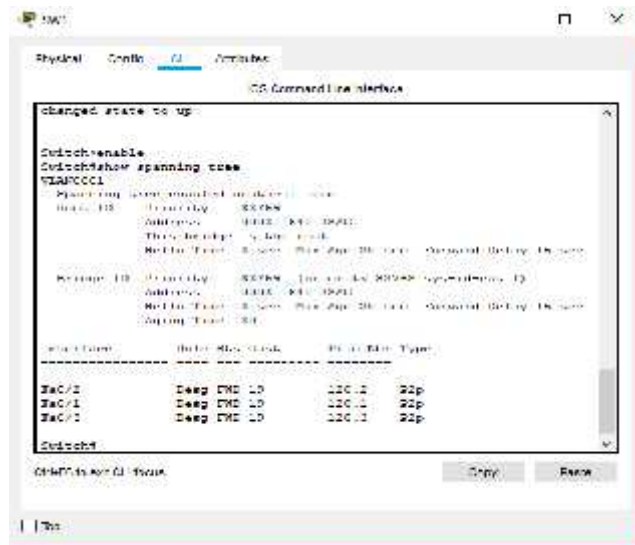   - Leo = 172.21.1.1/24

   - Aries = 172.21.1.2/24

   - Virgo = 172.21.1.3/24
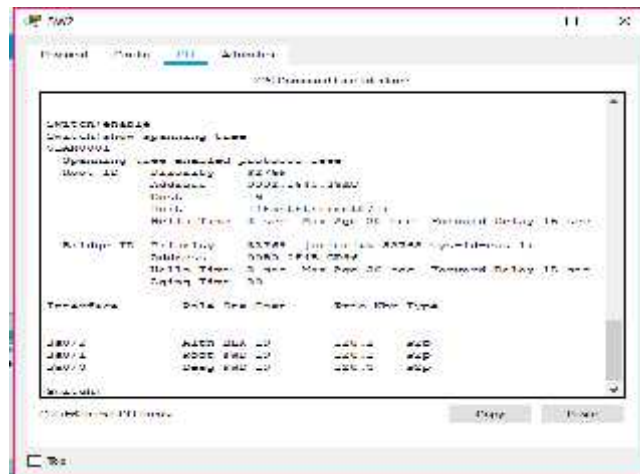
4. Pada mode user atau mode privilaged, lihat status STP pada masing-masing switch.
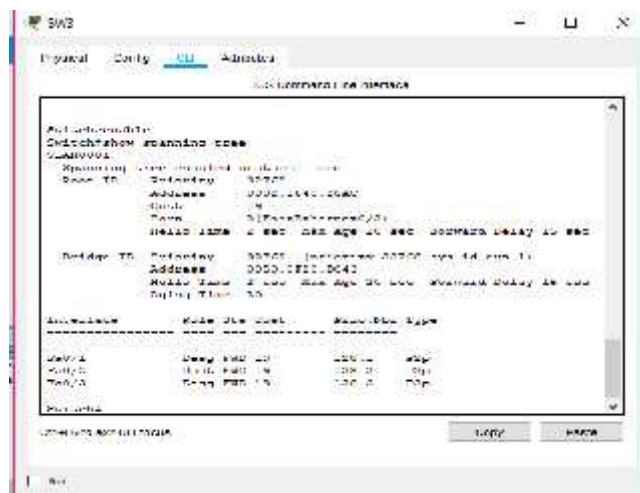   Tugas 4A:
   - SW 1

   - SW 2

   - SW 3

Tugas 4B:
- SW 1

No	Variabel	Nilai
1.	Root ID	32769 : 0002.1640.28AC
2.	Priority	32769
3.	MAC Address	0002.1640.28AC
4.	Bridge ID	32769 : 0002.1640.28AC
5.	Cost (0/1;0/2;0/3)	19;19;19
6.	Hello Time	2 sec
7.	MaxAge	20 sec
8.	Forward Delay	15 sec
9.	Role (0/1;0/2;0/3)	Desg; Desg; Desg
10.	Sts (0/1;0/2;0/3)	FWD; FWD; FWD

- SW 2

No	Variabel	Nilai
1.	Root ID	32769 : 0002.1640.28AC
2.	Priority	32769
3.	MAC Address	0002.1640.28AC
4.	Bridge ID	32769:0050.0F4B.CD96
5.	Cost (0/1;0/2;0/3)	19; 19; 19
6.	Hello Time	2 sec
7.	MaxAge	20 sec
8.	Forward Delay	15 sec
9.	Role (0/1;0/2;0/3)	Altn; Root; Desg
10.	Sts (0/1;0/2;0/3)	BLK; FWD; FWD

- SW 3

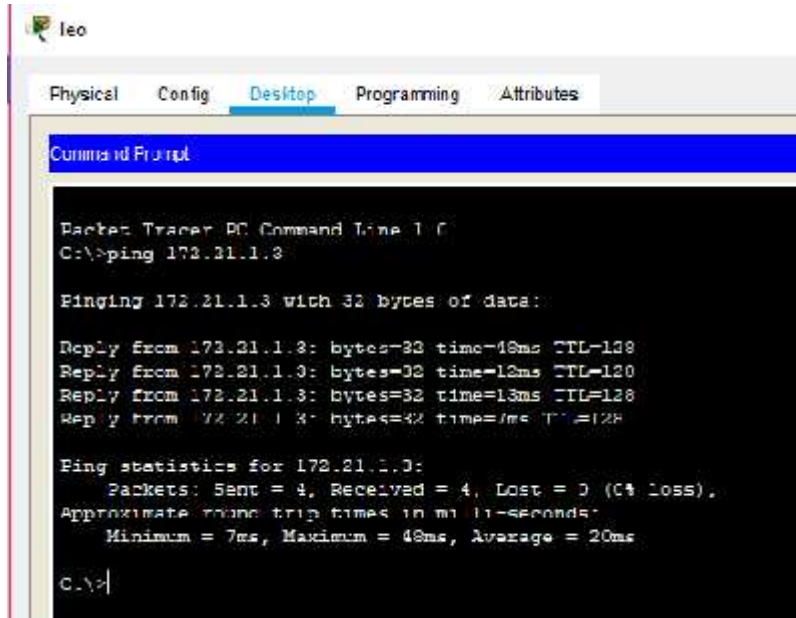| No	Variabel	Nilai
1.	Root ID	32769 : 0002.1640.28AC
2.	Priority	32769
3.	MAC Address	0002.1640.28AC
4.	Bridge ID	32769: 0050.0F20.D043
5.	Cost (0/1;0/2;0/3)	19; 19; 19
6.	Hello Time	2 sec
7.	MaxAge	20 sec
8.	Forward Delay	15 sec
9.	Role (0/1;0/2;0/3)	Desg; Root; Desg
10.	Sts (0/1;0/2;0/3)	FWD; FWD; FWD

Tugas 4C: pada kondisi default tersebut, switch dan port yang :
   o Menjadi root bridge : SW1
   o Menjadi designated bridge : SW1
   o Menjadi root port : SW2 & SW3
   o Menjadi designated port : SW2 & SW3

Tugas 4D : pada kondisi default tersebut, port yang :

- o Berada pada keadaan forwarding : SW1 & SW2
- o Berada pada keadaan blocking : SW2

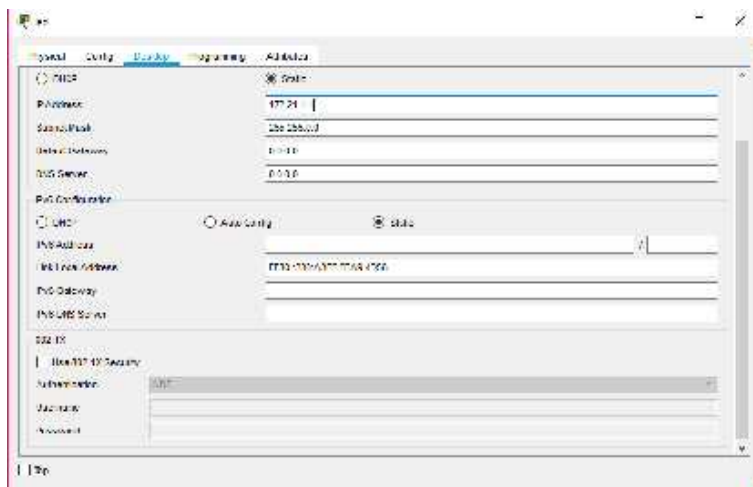5. Dari PC Leo lakukan ping ke PC Virgo:

Kegiatan 2. Topologi 2

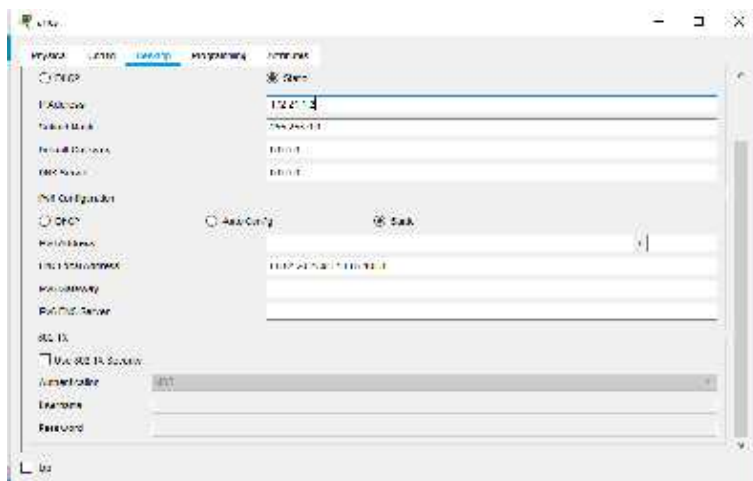1. Menggunakan Packet tracer ubah toppologi menjadi topologi berikut ini:
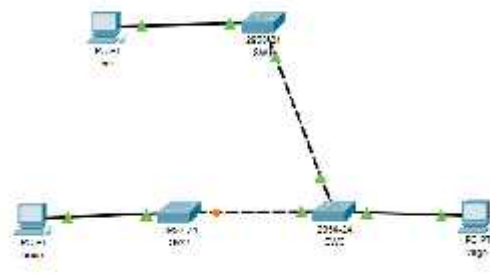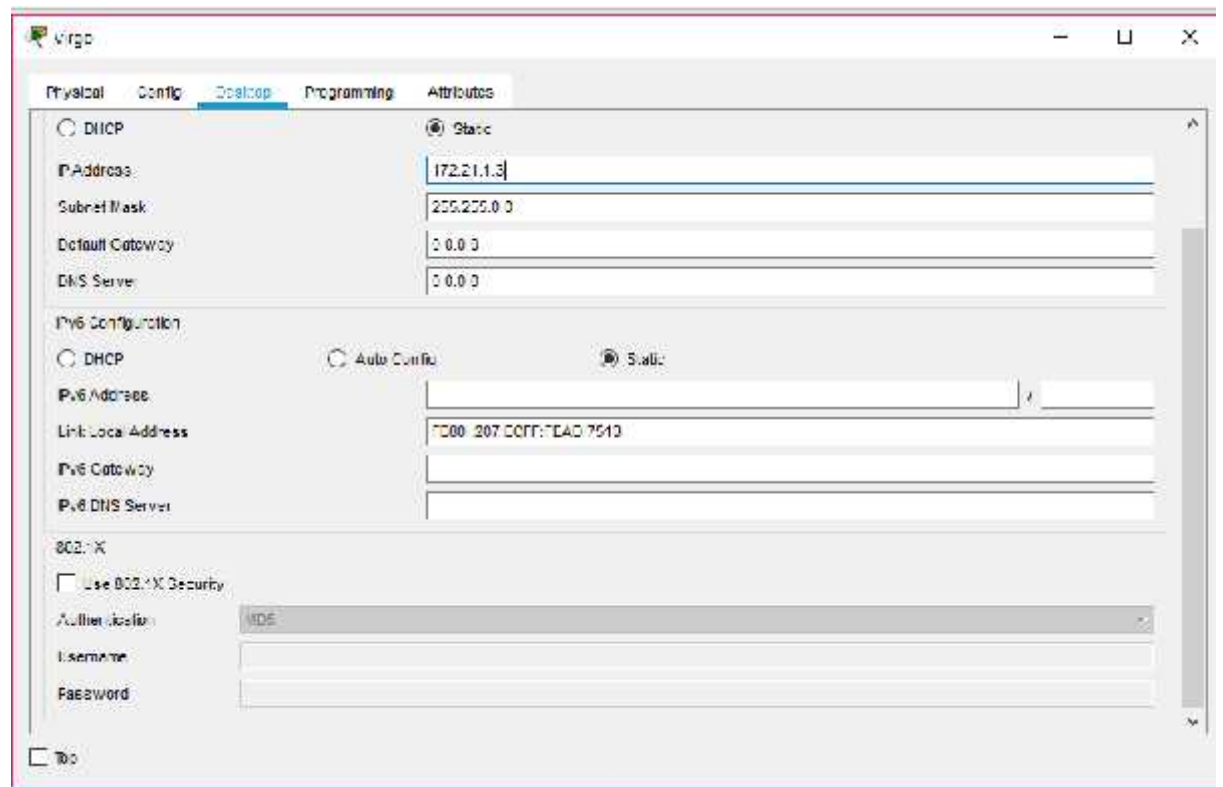

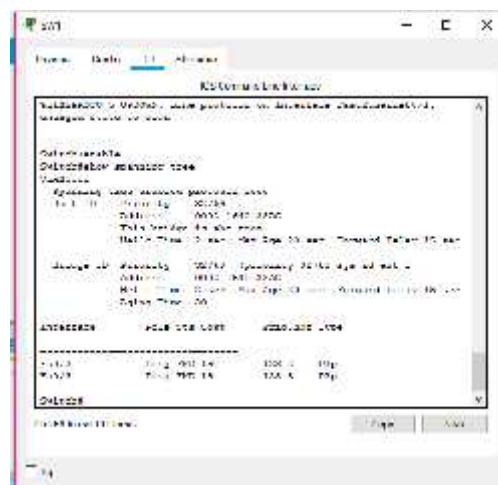2. Melakukan konfigurasi IP pada PC:
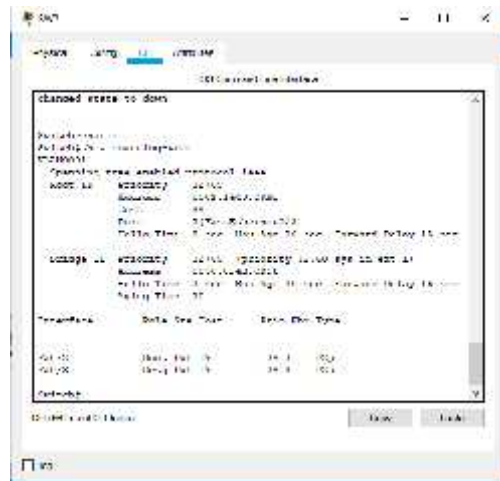- Leo = 172.21.1.1/24

- Aries = 172.21.1.2/24

- Virgo = 172.21.1.3/24

3. Pada mode user atau mode privilaged, lihat status STP pada masing-masing switch

   a. Pada kondisi default, capture masing-masing tampilan status STP switch :

      o SW 1

o SW 2

o SW 3
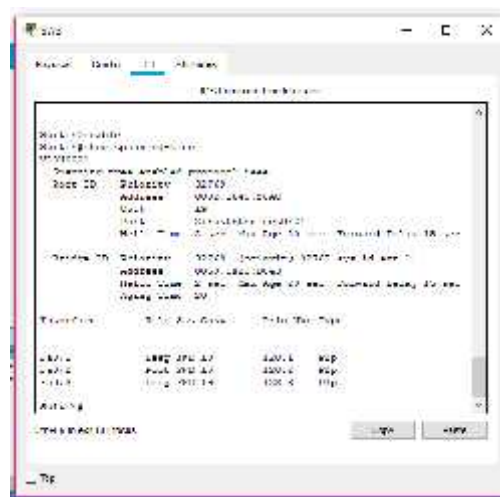
b. Untuk tiap-tiap switch, isikan tabel berikut:
    o SW 1

No	Variabel	Nilai
1.	Root ID	32769 : 0002.1640.28AC
2.	Priority	32769
3.	MAC Address	0002.1640.28AC
4.	Bridge ID	32769 : 0002.1640.28AC
5.	Cost (0/1;0/2;0/3)	-;19;19
6.	Hello Time	2 sec
7.	MaxAge	20 sec
8.	Forward Delay	15 sec
9.	Role (0/1;0/2;0/3)	-; Desg; Desg
10.	Sts (0/1;0/2;0/3)	-; FWD; FWD

- o SW 2

No	Variabel	Nilai
1.	Root ID	32769 : 0002.1640.28AC
2.	Priority	32769
3.	MAC Address	0002.1640.28AC
4.	Bridge ID	32769 : 0050.0F4B.CD96
5.	Cost (0/1;0/2;0/3)	-;19;19
6.	Hello Time	2 sec
7.	MaxAge	20 sec
8.	Forward Delay	15 sec
9.	Role (0/1;0/2;0/3)	-; Root; Desg
10.	Sts (0/1;0/2;0/3)	-; FWD; FWD

- o SW 3

No	Variabel	Nilai
1.	Root ID	32769 : 0002.1640.28AC
2.	Priority	32769
3.	MAC Address	0002.1640.28AC
4.	Bridge ID	32769 : 0050.0F20.D043
5.	Cost (0/1;0/2;0/3)	19;19;19
6.	Hello Time	2 sec
7.	MaxAge	20 sec
8.	Forward Delay	15 sec
9.	Role (0/1;0/2;0/3)	Desg; Root; Desg
10.	Sts (0/1;0/2;0/3)	FWD-; FWD; FWD

4. Melakukan ping dari PC leo ke PC virgo