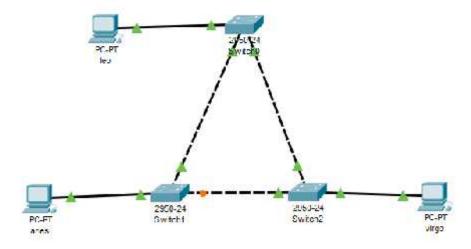
Nama: Intan Larasati

NIM: L200170091

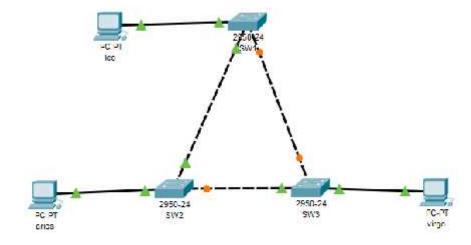
Kelas: B

Kegiatan 1. Topologi 1

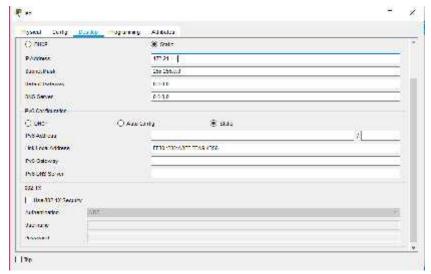
1. Menggunakan PACKET TRACER buat topologi berikut ini dengan menggunakan switch Catalyst 2950.



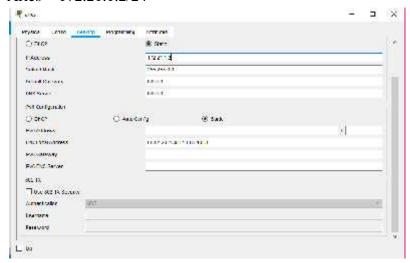
- Tugas 1A: tulis langkah pembuatan topologi.
 Untuk membuat topologi tersebut kita tinggal meng-klik ikon switch dan pc yang telah tersedia kemudian menghubungkanya dengan kabel.
- 2. Beri nama masing-masing switch dengan SW1, SW2, dan SW3



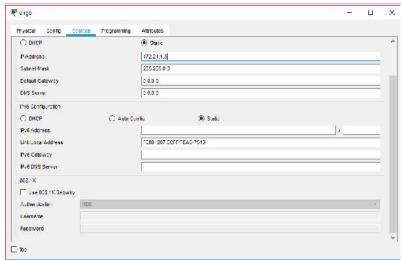
- 3. Konfigurasi masing-masing pc dengan alamat IP:
 - Leo = 172.21.1.1/24



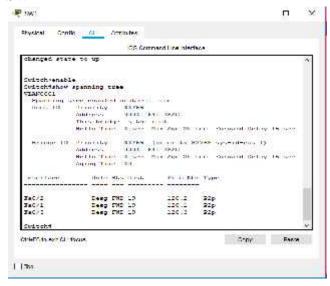
- Aries = 172.21.1.2/24



- Virgo = 172.21.1.3/24



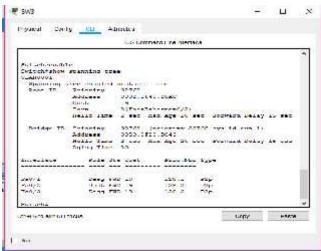
- 4. Pada mode user atau mode privilaged, lihat status STP pada masing-masing switch. Tugas 4A:
 - SW 1



- 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

Menjadi designated bridge: SW1Menjadi 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:

```
Physical Config Desitop Programming Attributes

Command Prompt

Factor Tracer PC Command Line 1 (
C:\>ping 172.31.1.3

Finging 172.21.1.3 with 32 bytes of data:

Reply from 173.21.1.3: bytes=32 time=18ms TTL=128

Reply from 172.21.1.3: bytes=32 time=18ms TTL=120

Reply from 172.21.1.3: bytes=32 time=18ms TTL=128

Reply from 72.21.1.3: bytes=32 time=18ms TTL=128

Fing statistics for 172.21.1.0:

Packets: Sent = 4. Received = 4. Lost = 0 (C% loss).

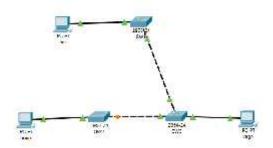
Approximate round trip times in mi lineseconds:

Minimum = 7ms, Maximum = 48ms, Average = 20ms

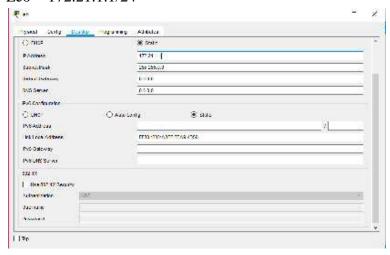
C.32
```

Kegiatan 2. Topologi 2

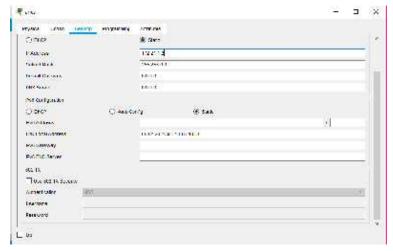
1. Menggunakan Packet tracer ubah toppologi menjadi topologi berikut ini:



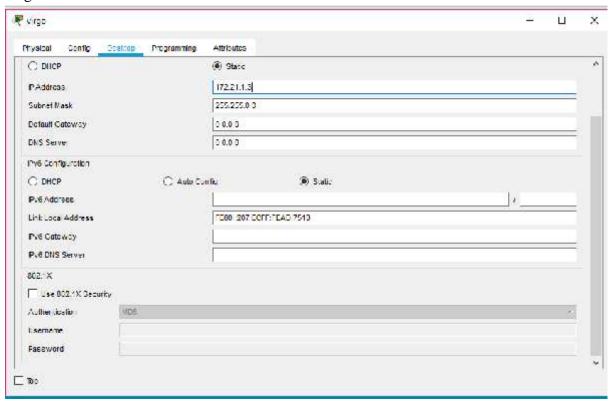
- 2. Melakukan konfigurasi IP pada PC:
- Leo = 172.21.1.1/24



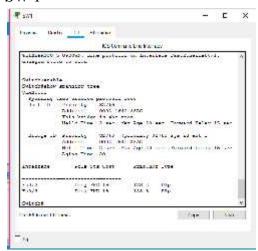
- Aries = 172.21.1.2/24



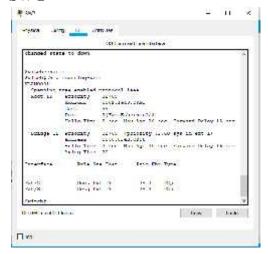
- Virgo = 172.21.1.3/24



- 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

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Figure 15 mbs. France Engineering Classics

Writing Allowed States France Engineering Classics

Figure France Engineering France Engineering France Engineering

Figure Engineering France Engineering France Engineering

Figure France Engineering

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