Nama: Rayhan Nurfalah Lukman

NIM : L200180100

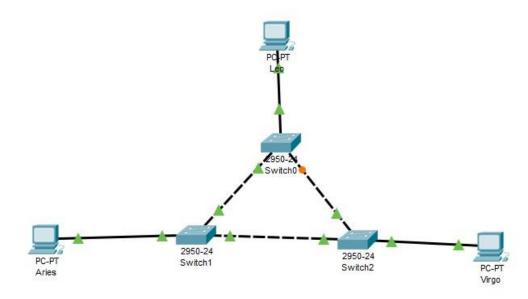
Kelas : C

PRAKTIKUM JARINGAN KOMPUTER

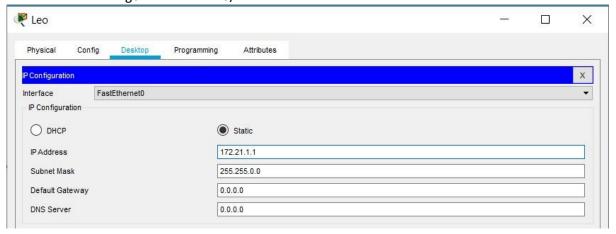
Modul 6

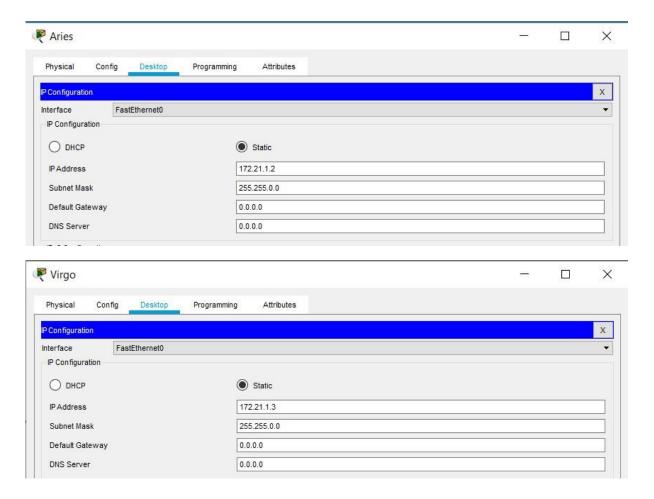
1. Kegiatan 1. Topologi 1

1. Menggunakan cisco paket tracer buat topologi berikut ini dengan menggunakan switch catalyst

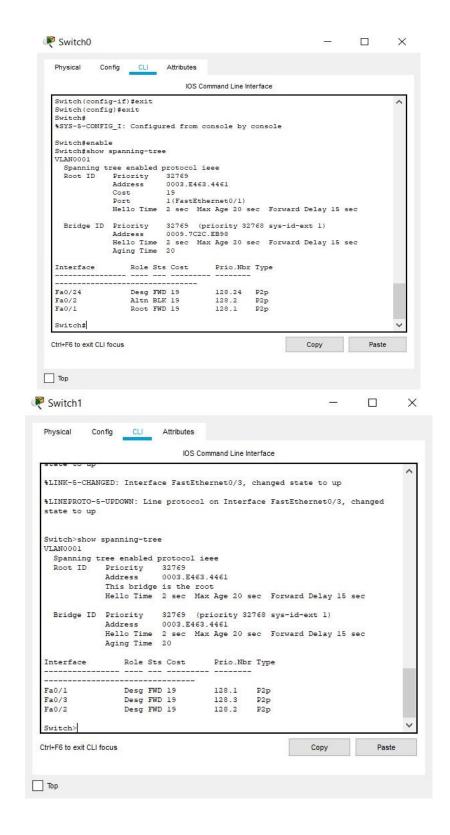


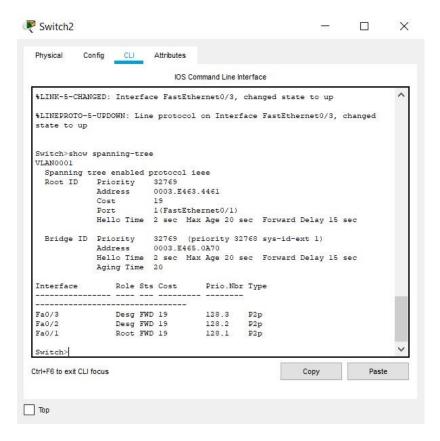
- 2. Konfigurasi masing-masing PC dengan IP:
 - Leo = 172.21.1.1/24
 - Aries = 172.21.1.2/24
 - Virgo = 172.21.1.3/24





- 3. Pada mode user atau mode privileged, dengan status STP pada masing-masing switch
 - Tekan Enter
 - · Masuk ke mode privileged
 - Ketik show spanning-tree





4. Isi tabel untuk setiap switch **SW 0**

No	Variabel	Nilai
1	Root ID	32769:0003.E363.4461
2	Priority	32769
3	MAC Address	0003.E363.4461
4	Bridge ID	32769:0009.7C2C.EB98
5	Cost(0/1;02;03)	Fa0/2419 ;Fa0/2 19;Fa0/1 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forwar	15 Sec

Role	Stat
Desg	FWD
Altn	BLK
Root	FWD

SW 1

	_	
No	Variabel	Nilai
1	Root ID	32769:0003.E463.4461
2	Priority	32769

3	MAC Address	0003.E463.4461
4	Bridge ID	32769:0003.E463.4461
5	Cost(0/1;02;03)	Fa0/1 19;Fa0/3 19;Fa0/2 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forwar	15 Sec

Role	Stat
Desg	FWD
Desg	FWD
Desg	FWD

SW 2

No	Variabel	Nilai
1	Root ID	32769:0003.E463.4461
2	Priority	32769
3	MAC Address	0003.E463.4461
4	Bridge ID	32769:0003.E468.0A70
5	Cost(0/1;02;03)	Fa0/3 19;Fa0/2 19;Fa0/1 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forwar	15 Sec

Role	Stat
Desg	FWD
Desg	FWD
Root	FWD

Root Bridge : SW 1Designated bride : SW 2

• Root Port : SW 0 Fa0/1, SW 2 Fa0/1

• Designated Port : SW 0 Fa0/24, SW 1 Fa0/1 Fa0/3 Fa0/2, SW 3 Fa0/3 Fa0/2

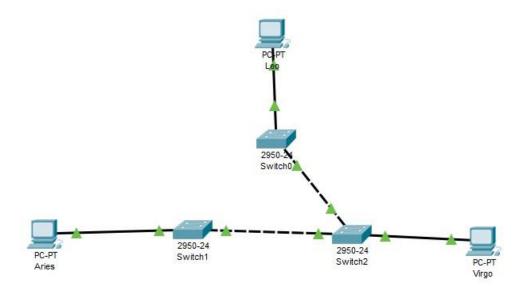
Port yang berada pada keadaan forwarding :

SW 0 Fa0/24 Fa0/1, SW 1 Fa0/1 Fa0/2 Fa0/3, SW 2 Fa0/3 Fa0/2 Fa0/1

Port yang berada pada keadaan blocking : Sw 0 Fa0/2

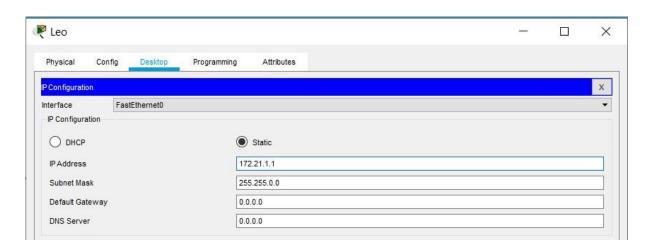
2. Kegiatan-2(Topologi 2)

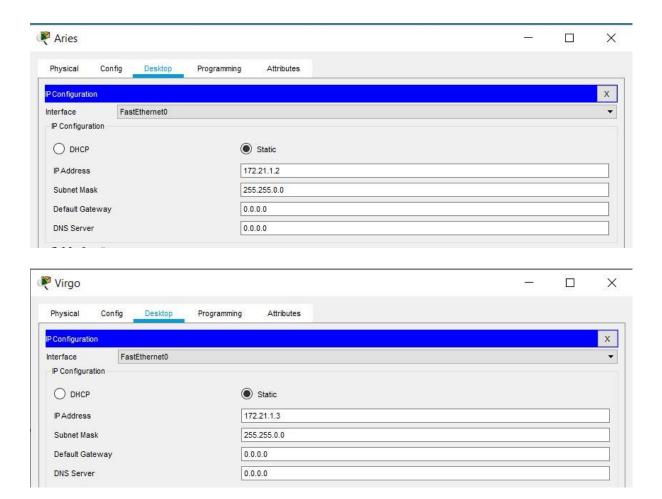
1. Menggunakan paket tracer buat topologi berikut ini dengan menggunakan switch catalyst 2950



2. Konfigurasi masing-masing PC dengan IP:

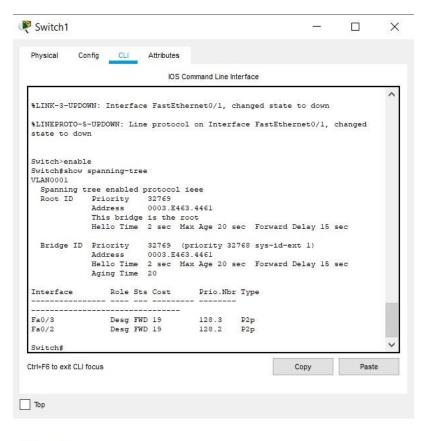
Leo : 172.21.1.1/24Aries : 172.21.1.2/24Virgo : 172.21.1.3/24

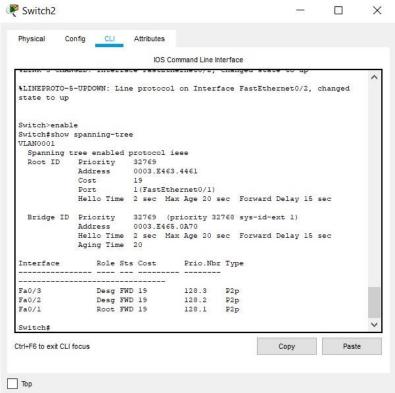




- 3. Pada mode user atau mode privileged, dengan status STP pada masing-masing switch
 - Tekan Enter
 - · Masuk ke mode privileged
 - Ketik show spanning-tree







4. Isi tabel untuk setiap switch: **SW 0**

No	Variabel	Nilai
1	Root ID	32769:0003.E463.4461
2	Priority	32769
3	MAC Address	0003.E463.4461
4	Bridge ID	32769:0009.7C2C.EB98
5	Cost(0/1;02;03)	Fa 0/24 19;Fa 0/1 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forwar	15 Sec

Role	Stat
Desg	FWD
Root	FWD

SW 1

No	Variabel	Nilai
1	Root ID	32769:0003.E463.4461
2	Priority	32769
3	MAC Addre is	0003.E463.4461
4	Bridge ID	32769:0003.E463.4461
5	Cost(0/1;02;)3)	Fa 0/3 19; Fa 0/2 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forwar	15 Sec

Role	Stat
Desg	FWD
Desg	FWD

SW 2

No	Variabel	Nilai
1	Root ID	32769:0003.E463.4461
2	Priority	32769
3	MAC Addre is	0003.E463.4461
4	Bridge ID	32769:0003.E465.4461
5	Cost(0/1;02;)3)	Fa 0/3 19; Fa 0/2 19; Fa 0/1 19
6	Hello Time	2 Sec

7	MaxAge	20 Sec
8	Forwar	15 Sec

Role	Stat
Desg	FWD
Desg	FWD
Root	FWD

• Root Bridge : SW 1

• Designated bride : SW 2 SW 0

• Root Port : SW 0 Fa0/1, SW 2 Fa0/1

• Designated Port : SW 0 Fa0/24, SW 1 Fa0/3 Fa0/2, SW 3 Fa0/3 Fa0/2

• Port yang berada pada keadaan forwarding:

SW 0 Fa0/24 Fa0/1, SW 1 Fa0/2 Fa0/3, SW 2 Fa0/3 Fa0/2 Fa0/1

Port yang berada pada keadaan blocking :