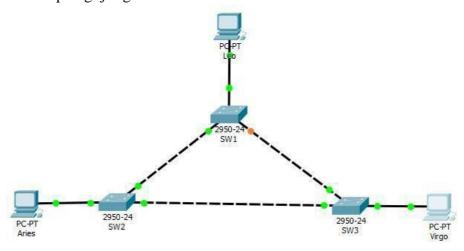
Modul 6: Spanning Tree Protocol

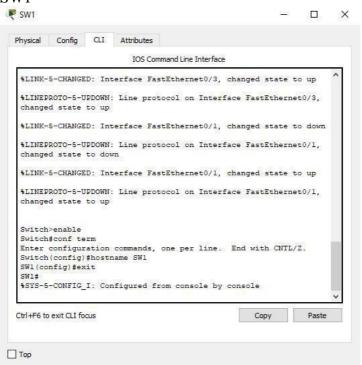
1. Kegiatan 1. topologi 1

a. Membuat topologi jringan

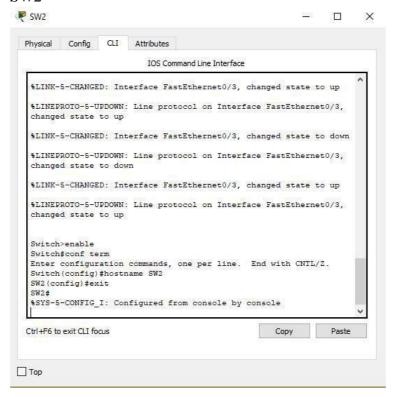


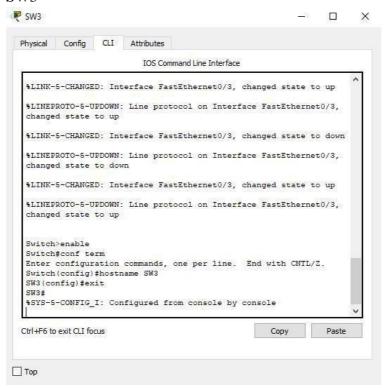
Tugas 1A:

b. Beri nama masing - masing switch dengan SW1, SW2, dan SW3



• SW2





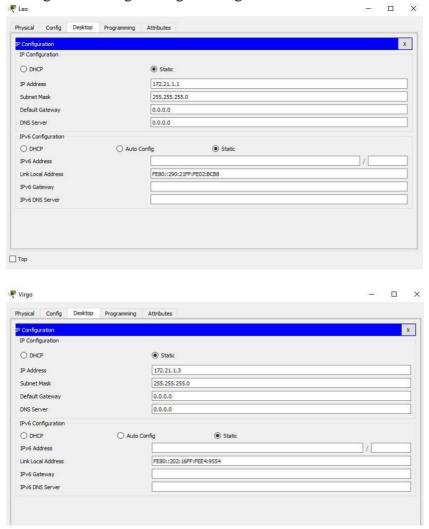
Tugas 2A: tulis langkah pemberian nama switch

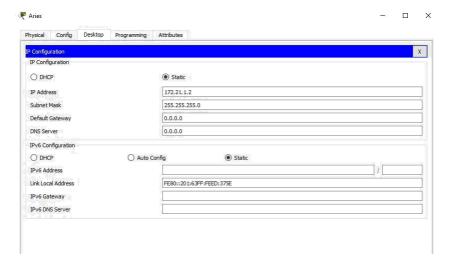
- Switch1

Switch>enable Switch#conf term Switch(config)#hostname SW1 SW1(config)#

Switch yang laiinnya juga begitu

c. Konfigurasi masing-masing PC dengan alamat IP

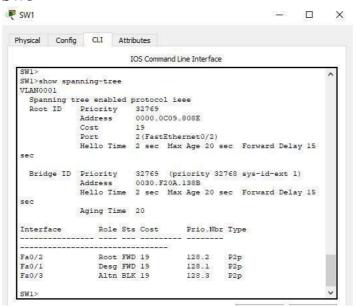


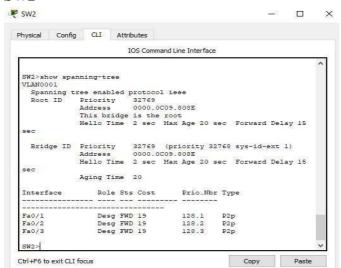


d. Spanning Tree pada Switch

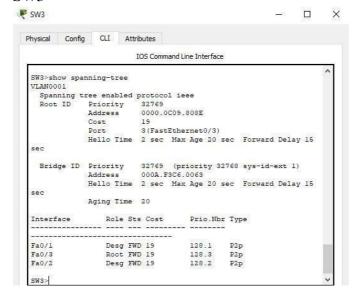
Tugas 4A: Capture masing-masing tampilan switch

• SW1





• SW3



Tugas 4B: Isikan tabel

• SW1

No	Variable	Nilai
1	Root Id	32769
2	Priority	32769
3	MAC Address	0030.F20A.138B
4	Bridge Id	32769
5	Cost(0/1;0/2;0/3)	19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

• SW2

No	Variable	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0000.0C09.808E
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

No	Variable	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	000A.FC36.0063
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19
6	Hello Time	2 Sec

I	7	MaxAge	20 Sec
I	8	Forward Delay	15 Sec

Tugas 4C:

- Root bridge: SW2

- Designated bridge: SW3

- Root port : SW1(fa 0/2) dan SW2(fa 0/3)

- Designated port:

SW1(fa 0/1), SW2(fa 0/1; fa 0/2; fa 0/3) dan SW3(fa 0/1; fa 0/2)

Tugas 4D: Menentukan port yang berada pada keadaan forwarding dan blocking - Forwarding

SW1(fa 0/1; fa 0/2)

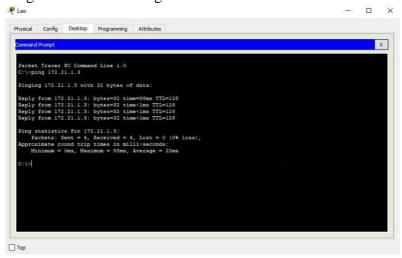
SW2(fa 0/1; fa 0/2; fa 0/3)

SW3(fa 0/1; fa 0/2; fa 0/3)

- Blocking

SW1(fa 0/3)

e. Ping PC Leo ke PC Virgo



Tugas 5A: Tulis langkah untuk melakukan perintah ping Klik pada PC Leo, pilih tab desktop, setelah itu pilih command prompt, lalu ketikan 'ping 172.21.1.3' di command prompt

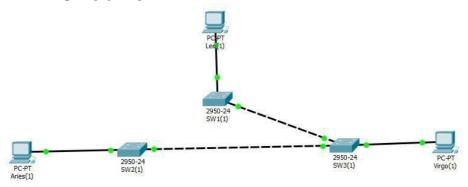
f. Simpan konfigurasi jaringan

Tugas 6A: Tulis langkah untuk menyimpan.

Pilih menu File, lalu pilih Save, simpan dengan nama 'lab2.nwc'

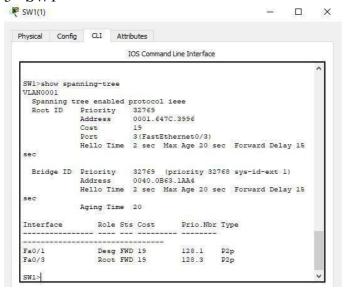
Kegiatan 2. Topologi 2

a. Membuat topologi jaringan

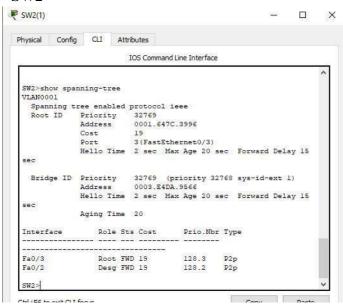


b. Lakukan langkah 4 dan

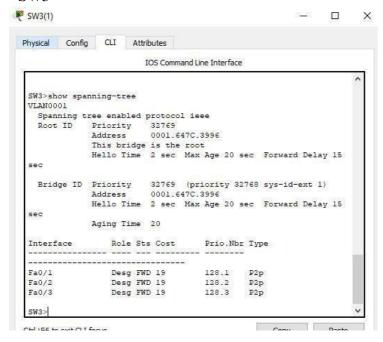
5 - SW1



- SW2



- SW3



- SW1

No	Variable	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0040.0B63.IA44
4	Bridge ID	32769
5	Cost (0/1;0/3)	19; 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

- SW2

No	Variable	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0003.E4DA.9566
4	Bridge ID	32769
5	Cost (0/3;0/2)	19; 19
6	Hello Time	2 Sec
7	MaxAge	20 Sec
8	Forward Delay	15 Sec

- SW3

No	Variable	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.647C.3996
4	Bridge ID	32769

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

- Root bridge: SW3

- Designated bridge: SW1 dan SW2

- Root port : SW1(fa 0/3) dan SW2(fa 0/3)

- Designated port : SW1(fa 0/1), SW2(fa 0/2), dan SW3(fa 0/1; fa 0/2; fa 0/3)

- Forwarding

SW1(fa 0/1; fa 0/3)

SW2(fa 0/2; fa 0/3)

SW3(fa 0/1; fa 0/2; fa 0/3)

- Blocking

Tidak ada yang terblok

Tugas 5A:

Klik pada PC Leo, pilih tab desktop, setelah itu pilih command prompt, lalu ketikan 'ping 172.21.1.3' di command prompt

- Ping dari PC Leo ke PC Virgo

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\ping 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time=30ms TTL=128
Reply from 172.21.1.3: bytes=32 time=line TTL=128
Reply from 172.2.1.1.3: bytes=32 time=line TTL=128
Reply from 172.2.1.1.3: bytes=32 time(line TTL=128
Reply from 172.2.1.3: bytes=32 time(line TTL=128
Reply from 172.2.1.1.3: bytes=32 time(line TTL=128
Reply from 172.2.1.1.3: bytes=32 time(line TTL=128
Reply from 172.2.1.1.3: bytes=32 time(line TTL=128
Reply from 172.2.1.1.3
```