Nama: Aulia Yogatama

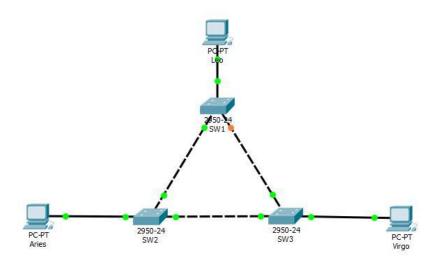
NIM : L200180081

Kelas: B

MODUL 6

Kegiatan 1. Topologi 1

Membuat topologi



Tugas 1A: Langkah pembuatan topologi

- □ Pada bagian Network Devices, klik bagian Switches, dan letakkan 3 buah Switch tipe 2950-24 dengan rangkai seperti gambar.
- ☐ Klik ikon End Devices, klik ikon PC dengan keterangan Generic Computer, letakkan 3 buah di dekat Switch masing-masing satu.
- ☐ Untuk menghubungkan Switch dan PC, pada bagian Connections klik ikon petir, lalu sambungkan rangkaian.

Tugas 2A: Memberi nama Switch melalui mode user

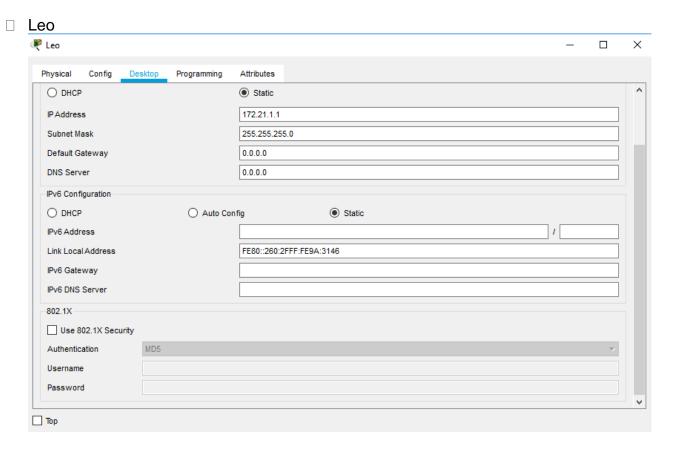
Switch>enable

Switch#conf term

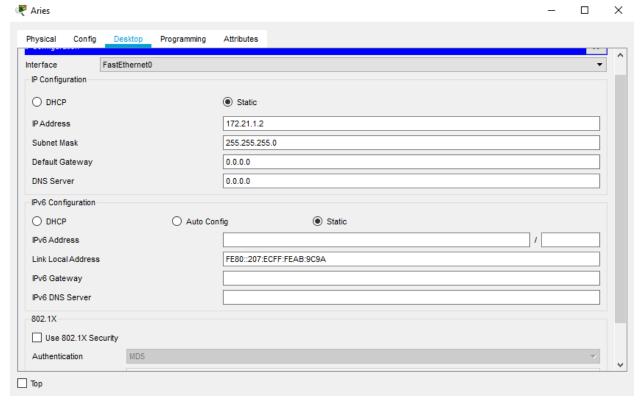
Switch(config)#hostname SW1

SW1(config)#end

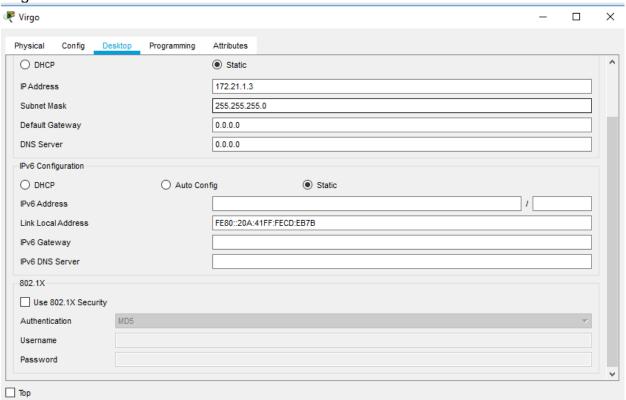
Konfigurasi masing-masing PC



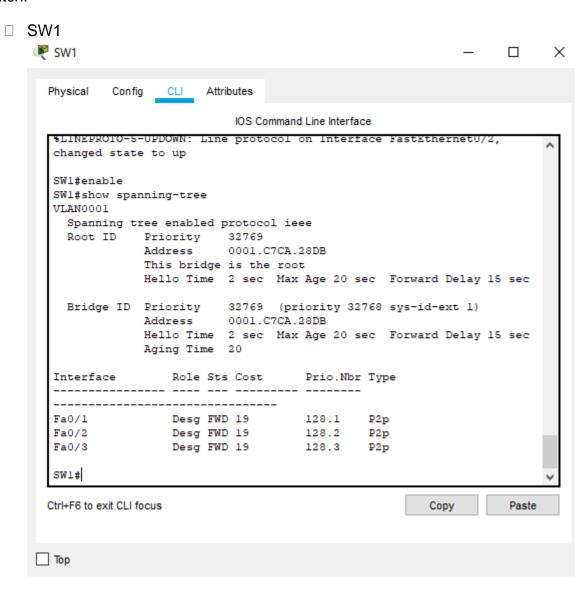
□ Aries

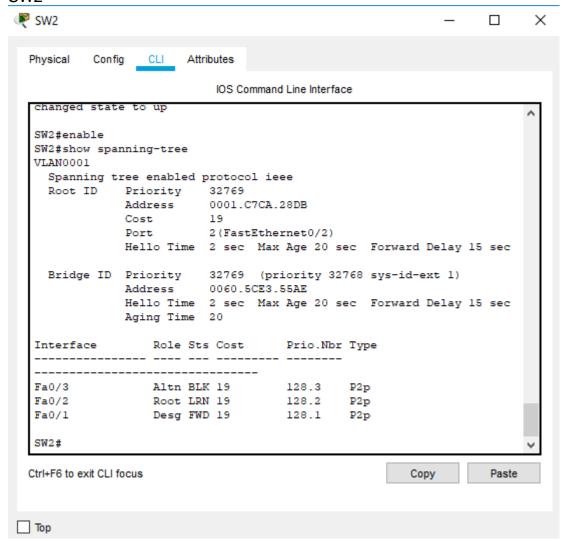


□ Virgo

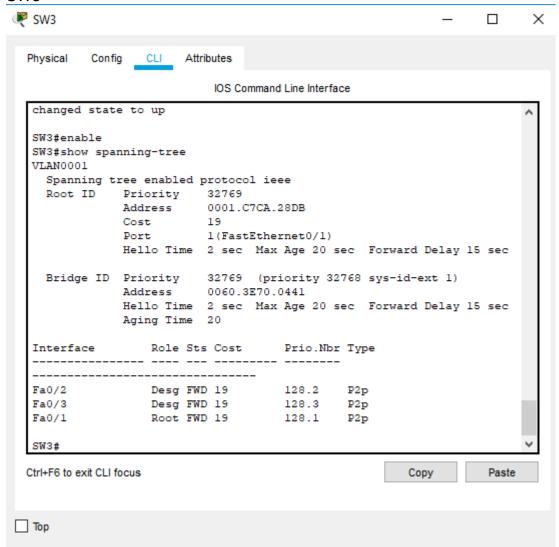


Tugas 4A: Pada mode *user* atau *privileged*, lihat status STP pada masing-masing switch.









Tugas 4B: Tabel tiap switch

□ SW1

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.C7CA.28DB
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	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.C7CA.28DB
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

□ SW3

No	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.C7CA.28DB
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

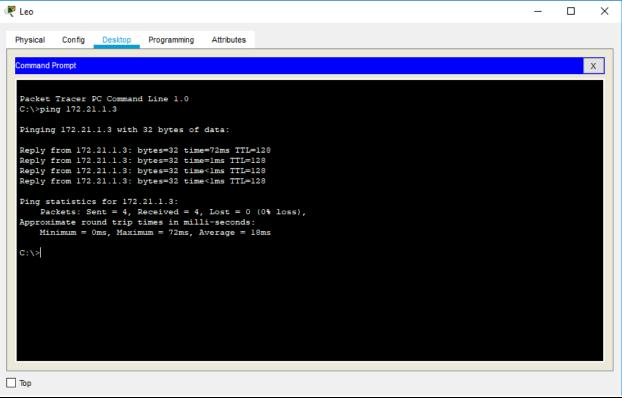
Tugas 4C:

- □ Root bridge : SW1
- □ Designated bridge : SW3
- □ Root port : SW2 (Fa0/2), SW3 (Fa0/1)
- Designated port: SW1 (Fa0/1,Fa0/2,Fa0/3), SW2 (Fa0/3, Fa0/2, Fa0/1), SW3 (Fa0/2, Fa0/3, Fa0/1)

Tugas 4D:

- □ Keadaan forwarding :
 - SW1 (Fa0/1, Fa0/2, Fa0/3),
 - SW2 (Fa0/1,),
 - SW3 (Fa0/2, Fa0/3, Fa0/1)
- ☐ Keadaan Blocking : SW2 (Fa0/3)

PC Leo melakukan ping ke PC Virgo



Tugas 5A: Langkah perinta ping

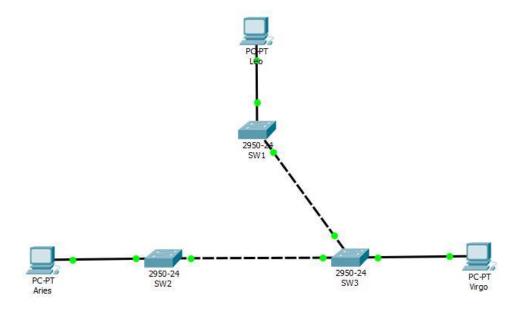
- 1. Klik PC Leo
- 2. Pilih tab desktop
- 3. Pilih command promp
- 4. Ketikkan ping 172.21.1.3

Tugas 6A: Langkah menyimpan konfigurasi jaringan

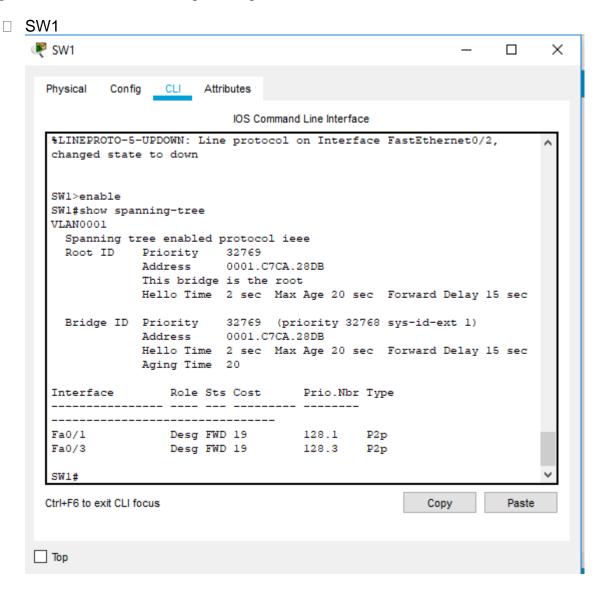
- 1. Klik File
- 2. Pilih Save
- 3. Beri nama lab2.ekstensi akan menyesuaikan dengan aplikasi yg digunakan

Kegiatan 2. Topologi 2

Membuat topologi

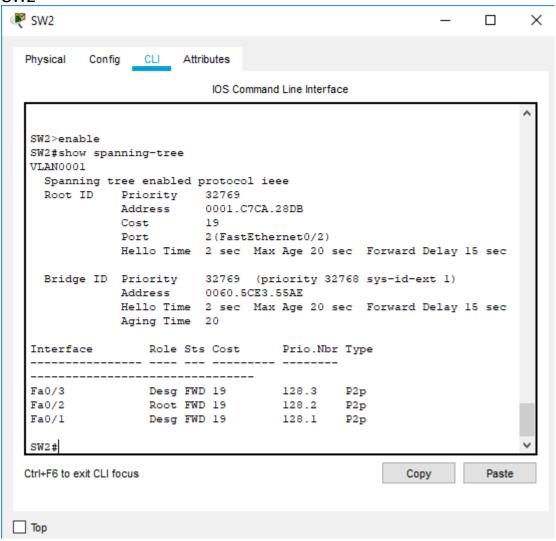


Tugas 9A: Status STP masing-masing switch



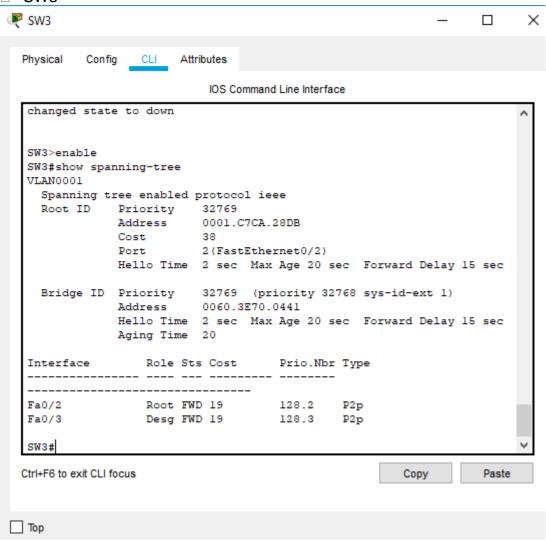
No	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.C7CA.28DB
4	Bridge ID	32769
5	Cost	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

□ SW2



No	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.C7CA.28DB
4	Bridge ID	32769
5	Cost	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec





No	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Address	0001.C7CA.28DB
4	Bridge ID	32769
5	Cost	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

Menentukan:

- □ Root bridge : SW1
- □ Designated bridge : SW3
- ☐ Root Port : SW2 (Fa0/2), SW3(Fa0/2)
- ☐ Designated Port : SW1 (Fa0/1, Fa0/3), SW2 (Fa0/3, Fa0/1), SW3 (Fa0/3)

Menentukan:

- □ Keadaan forwarding :
 - SW1 (Fa0/1, Fa0/3)
 - SW2 (Fa0/3, Fa0/2, Fa0/1)
 - SW3 (Fa0/2, Fa0/3)
- □ Keadaan blocking : tidak ada

Ping PC Leo ke PC Virgo

```
– 🗆 X
Leo
  Physical Config Desktop Programming Attributes
    Command Prompt
   Pinging 172.21.1.3 with 32 bytes of data:
   Reply from 172.21.1.3: bytes=32 time=72ms TTL=128
   Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
   Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
   Ping statistics for 172.21.1.3:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
         Minimum = 0ms, Maximum = 72ms, Average = 18ms
   C:\>ping 172.21.1.3
   Pinging 172.21.1.3 with 32 bytes of data:
   Reply from 172.21.1.3: bytes=32 time=2ms TTL=128 Reply from 172.21.1.3: bytes=32 time=10ms TTL=128 Reply from 172.21.1.3: bytes=32 time=1ms TTL=128 Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
   Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
         Minimum = 0ms, Maximum = 10ms, Average = 3ms
   C:\>
□ Тор
```