Nama: Veny Fitriana Isnaini

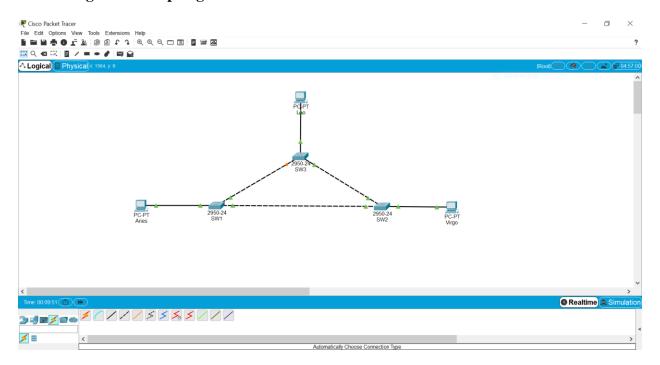
NIM : L200180045

Kelas: B

Modulke-6

Spanning Tree Protocol

1. Kegiatan 1. Topologi 1

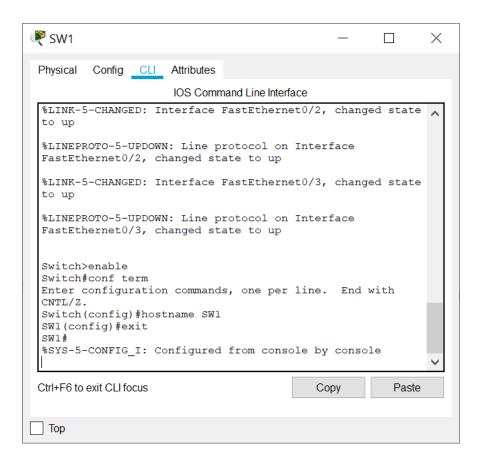


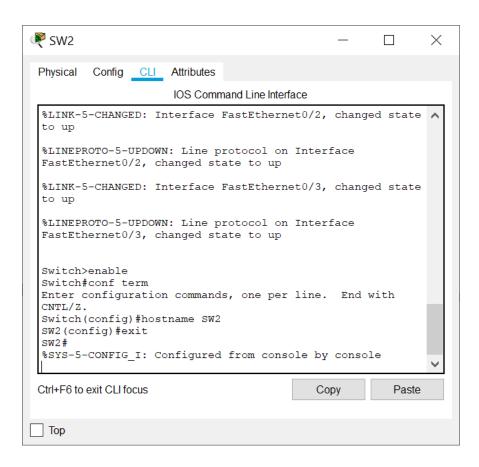
Tugas 1A

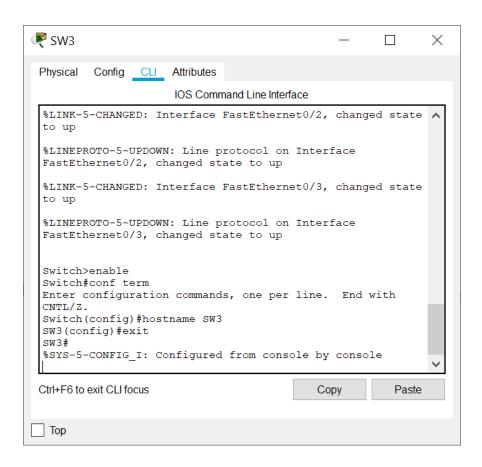
- a) Pilih pada bagian Network Device, switches, pilih tipe 2950-24, letakkan 3 switch, berikan nama SW1, SW2, SW3 pada masing-masing switch.
- b) Pilih pada bagian End Devic, PC, letakkan 3 komputer, berikan nama Aries, Leo dan Virgo pada masing-masing computer.
- c) Hubungkan dengan kabel.

Tugas 2A

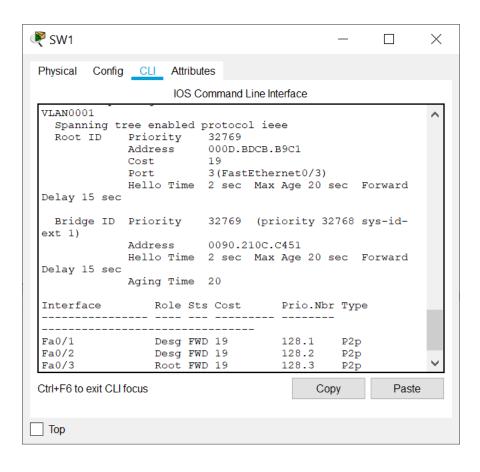
Langkah-langkah pemberian nama masing-masing dengan SW1, SW2, dan SW3 dengan cara klik enable, ketik conf term, ketik hostname SW1/SW2/SW3 ketik exit.

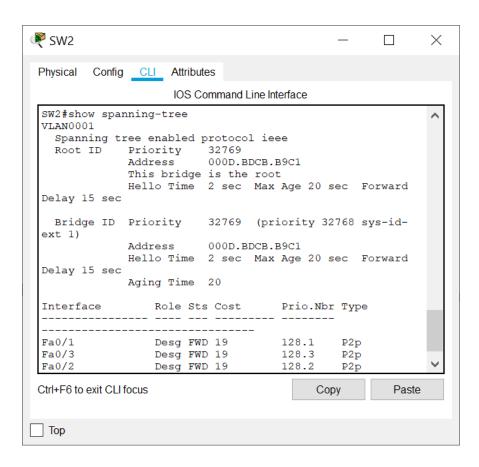


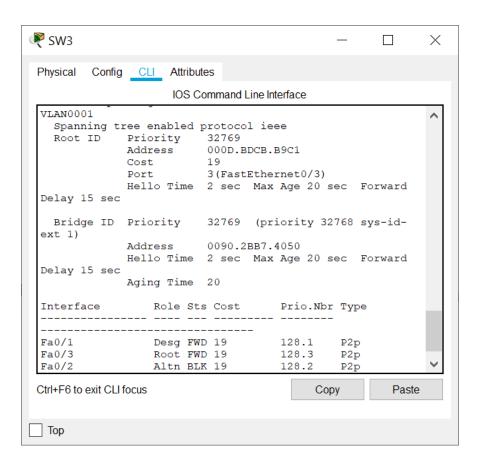




Tugas 4A







Tugas 4B

No	Variable	Nilai
1	Root ID	32769
2	Priority	32769 (priority 32768 sys-id-ext 1)
3	MAC Adrress	000D.BDCB.B9C1
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 (priority 32768 sys-id-ext 1)
3	MAC Adrress	000D.BDCB.B9C1
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	Variable	Nilai
1	Root ID	32769
2	Priority	32769 (priority 32768 sys-id-ext 1)
3	MAC Adrress	000D.BDCB.B9C1
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

Pada kondisi default tersebut mana saja.

Menjadi root bridge : SW2Menjadi designates bridge : SW3

• Menjadi root port : SW1(0/2), SW3(0/3)

• Menjadi designated port : SW3(0/3)

Tugas 4D

Pada kondisi default tersebut, dan port mana saja

• Berada pada keadaan forwarding : SW1(0/1, 0/2), SW2(0/1, 0/2, 0/3), dan

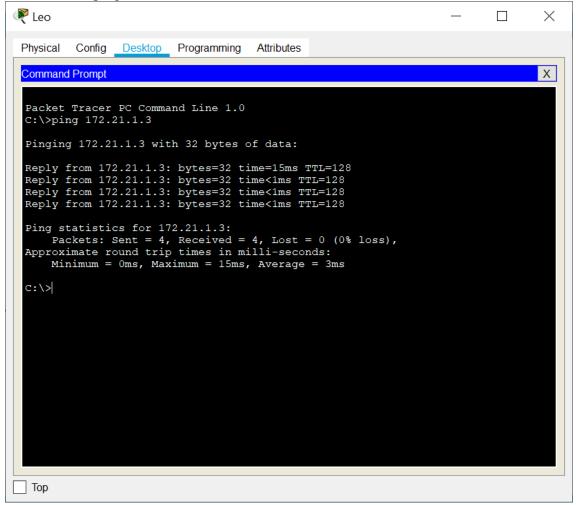
SW3(0/1, 0/2, 0/3)

• Berada pada keadaan blocking : SW1(fa 0/2)

Tugas 5A

Langkah untuk melakukan perintah ping dari PC Leo ke PC Virgo

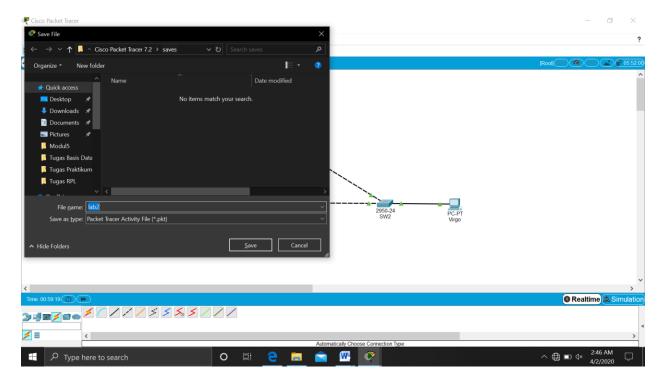
- 1) Klik pada PC Leo
- 2) Pilih tab desktop
- 3) Pilih command prompt
- 4) Ketik ping 172.21.1.3



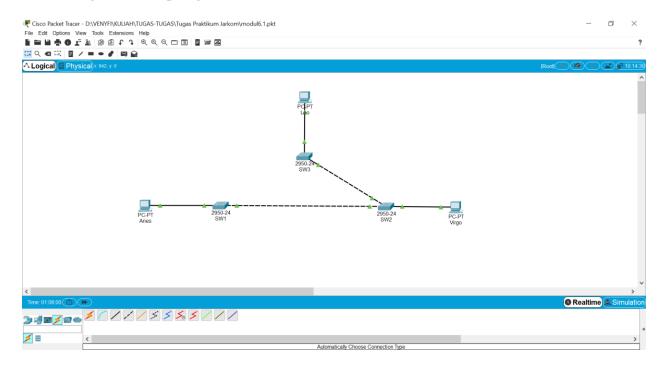
Tugas 6A

Langkah untuk menyimpan konfigurasi jaringan

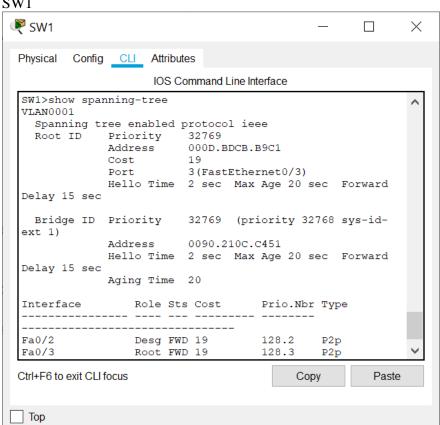
- 1) Ketik CTRL + S
- 2) Beri nama lab2 yang akan bereksistensi sesuai aplikasi yang digunakan



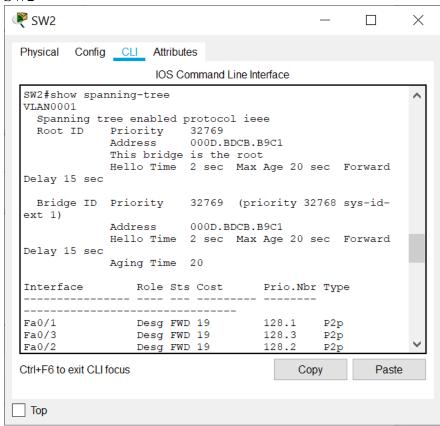
2. Kegiatan 2. Topologi 2



Tugas 9A

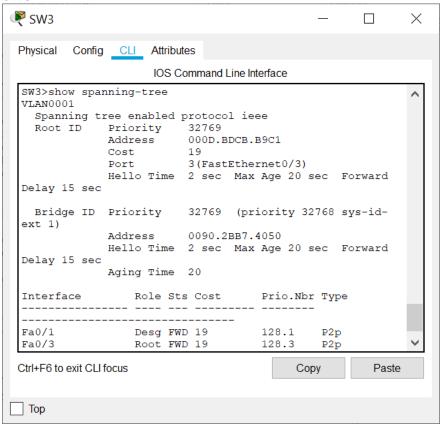


No	Variable	Nilai
1	Root ID	32769
2	Priority	32769 (priority 32768 sys-id-ext 1)
3	MAC Adrress	000D.BDCB.B9C1
4	Bridge ID	32769
5	Cost (0/1;0/2;0/3)	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec



No	Variable	Nilai
1	Root ID	32769
2	Priority	32769 (priority 32768 sys-id-ext 1)
3	MAC Adrress	000D.BDCB.B9C1
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 (priority 32768 sys-id-ext 1)
3	MAC Adrress	000D.BDCB.B9C1
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

Pada kondisi default tersebut mana saja.

Menjadi root bridge : SW3Menjadi designates bridge : SW1

• Menjadi root port : SW1(0/), SW(0/3)

• Menjadi designated port : SW1(0/1), SW2(0/1, 0/2), SW3(0/1)

Pada kondisi default tersebut, dan port mana saja

• Berada pada keadaan forwarding : SW1(0/1, 0/3), SW2(0/1, 0/3), dan SW3(0/1, 0/2, 0/3)

Melakukan ping dari PC Leo ke PC Virgo

```
🎤 Leo
                                                                                                               X
                        Desktop
                                     Programming
                                                       Attributes
 Command Prompt
                                                                                                                         Χ
 Packet Tracer PC Command Line 1.0 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=15ms 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 = 15ms, Average = 3ms
 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<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 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 = 0ms, Average = 0ms
 C:\>
 Top
```