Nama: Muhammad Vicky Al H.

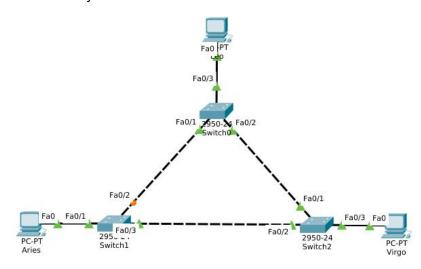
NIM : L200170065

Kelas : B

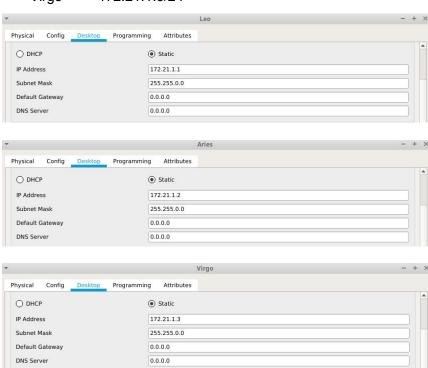
Modul: BAB VI (Spanning Tree Protocol)

1. Kegiatan-1 (Topologi 1)

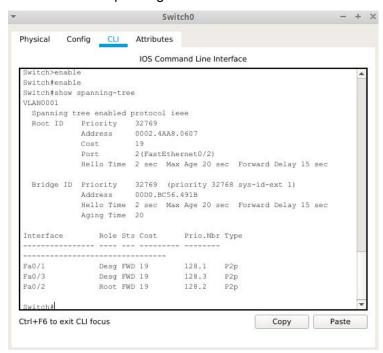
1. Menggunakan Packet Tracer buat topologi berikut ini dengan menggunakan switch Catalyst 2950.

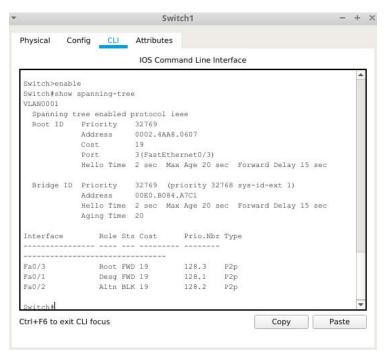


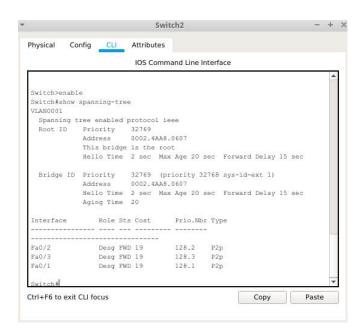
- 2. Konfigurasi masing-masing PC dengan IP:
 - ► Leo = 172.21.1.1/24
 - \rightarrow Aries = 172.21.1.2/24
 - > Virgo = 172.21.1.3/24



- Pada mode user atau mode privileged, lihat status STP pada masing-masing switch. Langkah pengoperasian
 - √ Tekan Enter
 - √ Masuk mode privileged (Optional)
 - √ Ketik show spanning-tree







4. Untuk tiap switch, isikan table berikut :

SW 0

No	Variabel	Nilai	Role	Stat
1	Root ID	32769 : 0002.4AAB.0607	Desg	FWD
2	Priority	32769	Desg	FWD
3	MAC Address	0002.4AAB.0607	Root	FWD
4	Bridge ID	32769 : 00D0.BC56.491B		
5	Cost (0/1;0/2;0/3)	Fa0/1> 19, Fa0/2> 19, Fa03> 19		
6	Hello Time	2 Sec		
7	MaxAge	20 Sec		
8	Forward Delay	15 Sec		

SW 1

No	Variabel	Nilai	Role	Stat
1	Root ID	32769 : 0002.4AAB.0607	Root	FWD
2	Priority	32769	Desg	FWD
3	MAC Address	0002.4AAB.0607	Altn	BLK
4	Bridge ID	32769: 00E0.B084.A7C1		
5	Cost (0/1;0/2;0/3)	Fa0/1> 19, Fa0/2> 19, Fa03> 19		
6	Hello Time	2 Sec		
7	MaxAge	20 Sec		
8	Forward Delay	15 Sec		

SW 2

No	Variabel	Nilai	Role	Stat
1	Root ID	32769 : 0002.4AAB.0607	Desg	FWD
2	Priority	32769	Desg	FWD
3	MAC Address	0002.4AAB.0607	Desg	FWD
4	Bridge ID	32769 : 0002.4AAB.0607		
5	Cost (0/1;0/2;0/3)	Fa0/1> 19, Fa0/2> 19, Fa03> 19		
6	Hello Time	2 Sec		
7	MaxAge	20 Sec		
8	Forward Delay	15 Sec		

https://github.com/L200170065/prak-jarkom

➤ Root Bridge : SW 2➤ Designated bride : SW 0

➤ Root Port : SW 1 Fa0/3, SW 2 Fa0/1

> Designated Port : SW 0 Fa0/1 Fa0/2, SW 1 Fa0/2, SW 2 Fa0/1 Fa0/2 Fa0/3

> Port yang berada pada keadan forwarding :

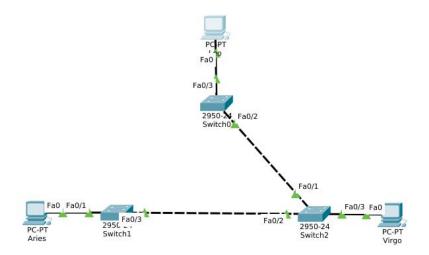
SW1(Fa 0/1;0/2;0/3) , SW2(Fa 0/1;0/2;0/3), dan SW3(Fa 0/1;0/3)

> Port yang berada pada keadan blocking :

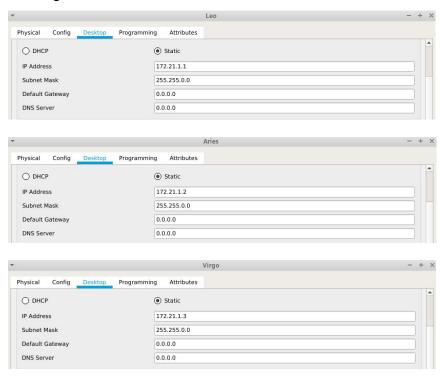
SW3 (Fa 0/2)

2. Kegiatan-2 (Topologi 2)

 Menggunakan Packet Tracer buat topologi berikut ini dengan menggunakan switch Catalyst 2950.

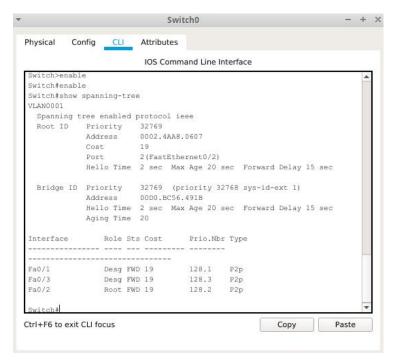


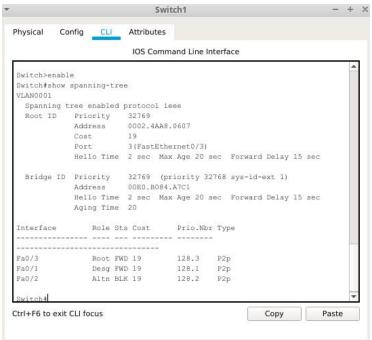
- 2. Konfigurasi masing-masing PC dengan IP:
 - Leo = 172.21.1.1/24
 - \rightarrow Aries = 172.21.1.2/24
 - > Virgo = 172.21.1.3/24

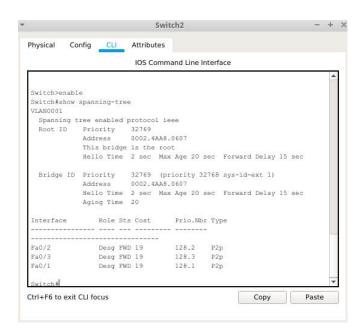


- Pada mode user atau mode privileged, lihat status STP pada masing-masing switch. Langkah pengoperasian
 - √ Tekan Enter
 - √ Masuk mode privileged (Optional)
 - √ Ketik show spanning-tree

https://github.com/L200170065/prak-jarkom







5. Untuk tiap switch, isikan table berikut :

SW 0

No	Variabel	Nilai	Role	Stat
1	Root ID	32769 : 0002.4AAB.0607	Desg	FWD
2	Priority	32769	Desg	FWD
3	MAC Address	0002.4AAB.0607	Root	FWD
4	Bridge ID	32769 : 00D0.BC56.491B		
5	Cost (0/1;0/2;0/3)	Fa0/1> 19, Fa0/2> 19, Fa03> 19		
6	Hello Time	2 Sec		
7	MaxAge	20 Sec		
8	Forward Delay	15 Sec		

SW 1

No	Variabel	Nilai	Role	Stat
1	Root ID	32769 : 0002.4AAB.0607	Root	FWD
2	Priority	32769	Desg	FWD
3	MAC Address	0002.4AAB.0607	Altn	BLK
4	Bridge ID	32769:00E0.B084.A7C1		
5	Cost (0/1;0/2;0/3)	Fa0/1> 19, Fa0/2> 19, Fa03> 19		
6	Hello Time	2 Sec		
7	MaxAge	20 Sec		
8	Forward Delay	15 Sec		

SW 2

No	Variabel	Nilai	Role	Stat
1	Root ID	32769 : 0002.4AAB.0607	Desg	FWD
2	Priority	32769	Desg	FWD
3	MAC Address	0002.4AAB.0607	Desg	FWD
4	Bridge ID	32769 : 0002.4AAB.0607		
5	Cost (0/1;0/2;0/3)	Fa0/1> 19, Fa0/2> 19, Fa03> 19		
6	Hello Time	2 Sec		
7	MaxAge	20 Sec		
8	Forward Delay	15 Sec		

https://github.com/L200170065/prak-jarkom

➤ Root Bridge : SW 2➤ Designated bride : SW 0

➤ Root Port : SW 1 Fa0/3, SW 2 Fa0/1

> Designated Port : SW 0 Fa0/1 Fa0/2, SW 1 Fa0/2, SW 2 Fa0/1 Fa0/2 Fa0/3

> Port yang berada pada keadan forwarding :

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

> Port yang berada pada keadan blocking :

SW3 (Fa 0/2)