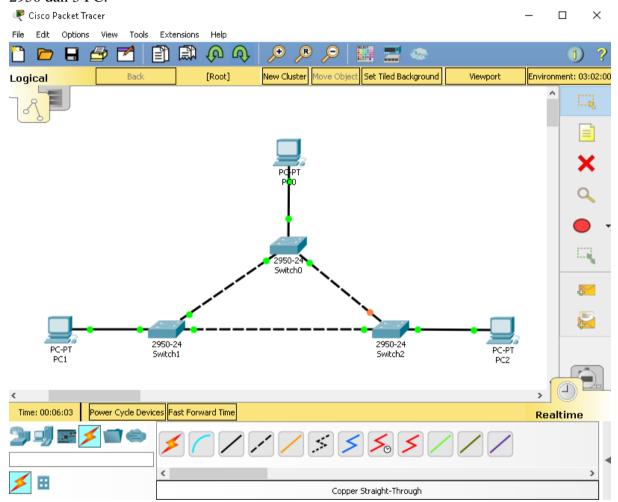
Nama: Robby Nugroho Setiawan.

Kelas: D – Prak.Jarkom

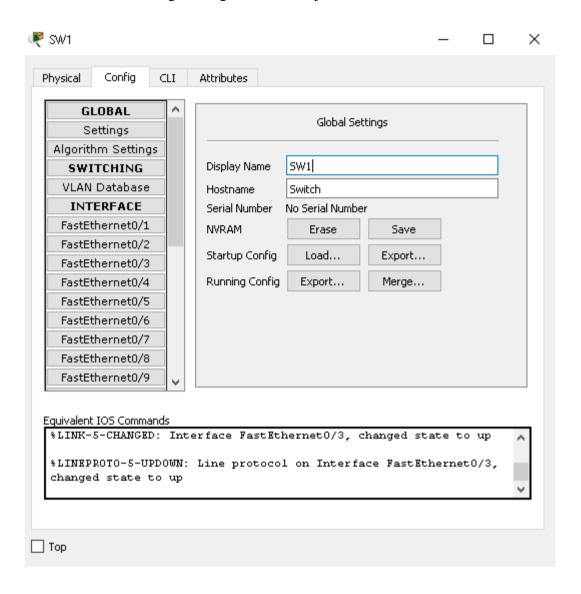
Nim: L200170179

TUGAS MODUL 6

1. Dalam Packet Tracer buat Topologi dengan menggunakan 3 buah Switch Catalyst 2950 dan 3 PC.

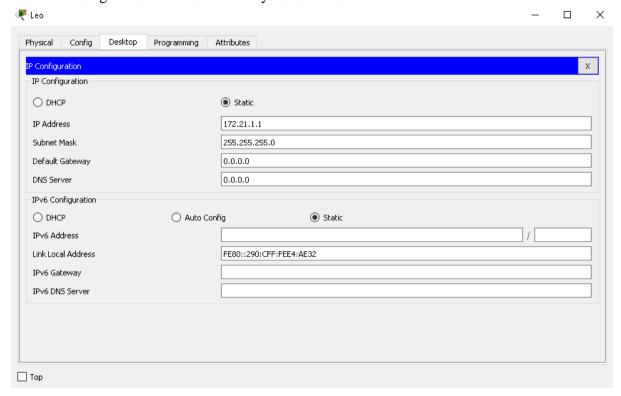


2. Memberi Nama masing-masing SW, misal saja switch0 adalah SW1.

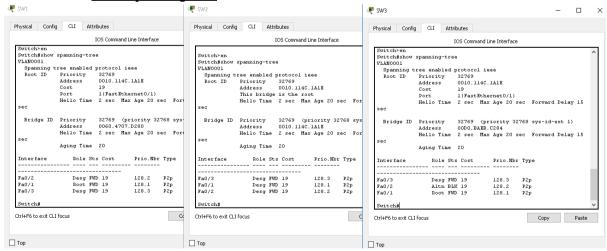


- 3. Konfigurasi masing-masing PC dengan IP Address.
 - Leo = 172.21.1.1 / 24
 - Aries = 172.21.1.2 / 24
 - Virgo = 172.21.1.3 / 24

Misal gambar dibawah contohnya adalah PC Leo



- 4. a) Melihat status STP pada masing-masing Switch
 - Tekan Enter
 - Masukan Mode Privileged "en"
 - Ketik show spanning-tree



• Ketik lagi show mac-address-table

b) Tabel dari tiap Switch

SW1

No	Variabel	Nilai
1	Root ID	32769.0010.114c.1A1E
2	Priority	32769
3	MAC Address	00d0.97de.2701
3		& 00d0.d331.bb02
4	Bridge ID	32769.0060.4707.D280
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	32769.0010.114c.1A1E
2	Priority	32769
3	MAC Address	0001.4273.3b01
		& 00d0.d331.bb01
4	Bridge ID	32769.0010.114c.1A1E
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	32769.0010.114c.1A1E
2	Priority	32769
3	MAC Address	00d0.97de.2702
4	Bridge ID	32769.00D0.BAEB.C284
5	Cost (0/1; 0/2; 0/3)	19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

c) Pada kondisi defult, SW dan port mana saja yang :

✓ Menjadi root bridge : SW1,✓ Menjadi designated bridge : SW3,

✓ Menjadi *root port* : SW 3 Fa 0/1 dan SW2 Fa 0/2

✓ Menjadi designated port : SW 3 Fa 0/2, SW1 (Fa 0/1; 0/2; 0/3) dan SW2

(Fa 0/1; 0/2)

d) Pada kondisi default, port mana saja yang:

✓ Berada forwarding : SW1(Fa 0/1; 0/2; 0/3), SW2(Fa 0/1; 0/2; 0/3), SW3(Fa

0/1; 0/2; 0/3)

✓ Berada *blocking* : SW3 (Fa 0/2)

5. Tes Ping terhadap PC Leo dan 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=73ms TTL=128
Reply from 172.21.1.3: bytes=32 time=1lms TTL=128
Reply from 172.21.1.3: bytes=32 time=2ms TTL=128
Reply from 172.21.1.3: bytes=32 time=2ms TTL=128
Reply from 172.21.1.3: bytes=32 time=2ms TTL=128

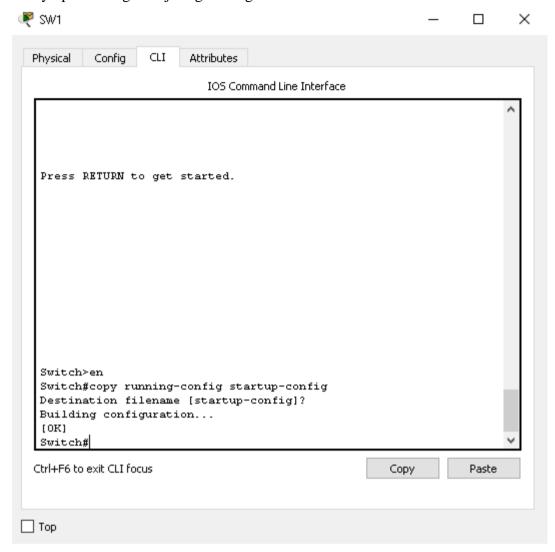
Ping statistics for 172.21.1.3:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round truly times in milli-seconds:

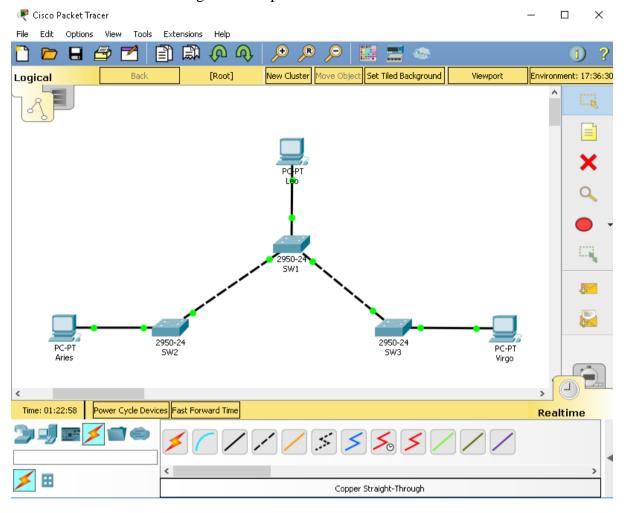
Minimum = 2ms, Maximum = 73ms, Average = 22ms

C:\\pi
```

6. Menympan konfigurasi jaringan dengan nama lab2.nwc



7. Coba memutuskan 1 sambungan terhadap SW lain.



8. a) Lihat status STP tiap SW

SW1

No	Variabel	Nilai
1	Root ID	32769.0010.114c.1A1E
2	Priority	32769
3	MAC Address	00d0.97de.2701
3		& 00d0.d331.bb02
4	Bridge ID	32769.0060.4707.D280
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	,	ariabel Nilai Nilai	
1	Root ID	32769.0010.114c.1A1E	
2	Priority	32769	
3	MAC Address	0001.4273.3b01	
4	Bridge ID	32769.0010.114c.1A1E	
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		32769.0010.114c.1A1E
2	Priority		32769
3	MAC Address		00d0.97de.2702
4	Bridge ID		32769.00D0.BAEB.C284
5	Cost (0/1; 0/2; 0/3)		19
6	Hello Time		2 sec
7	MaxAge		20 sec
8	Forward Delay		15 sec

b) Pada kondisi defult, SW dan port mana saja yang :

✓ Menjadi *root bridge* : SW1,

✓ Menjadi designated bridge : SW3 dan SW2,

✓ Menjadi *root port* : SW 3 Fa 0/2 dan SW2 Fa 0/1

✓ Menjadi designated port : SW 3 Fa 0/1, SW1 (Fa 0/1; 0/2) dan SW2 (Fa

0/1)

c) Pada kondisi default, port mana saja yang :

✓ Berada forwarding : SW1(Fa 0/1; 0/2; 0/3), SW2(Fa 0/1; 0/3), SW3(Fa

0/2; 0/3)

✓ Berada *blocking* : ---

9. Test Ping PC Leo dan PC Virgo

