Praktikum Jaringan Komputer

MODUL 6

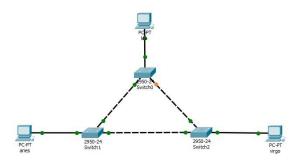
Nama: Oscar Satria Utama

NIM : L200180001

Kelas : A

Kegiatan 1. Topologi 1

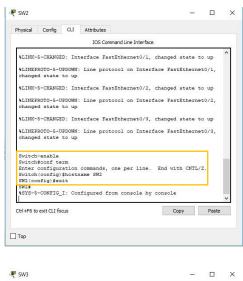
1. Rancangan Jaringan

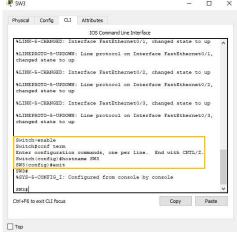


Drag 3 switch catalyst 2950 yang diambil dari network devices dan drop ke lembar kerja. Lalu drag 3 PC yang di ambil di end devices dan drop ke lembar kerja. Lalu hubungkan switch dengan switch dan switch dengan PC dengan connections.

2. Pemberian nama switch dari mode user



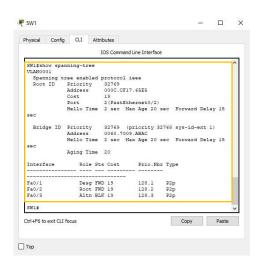




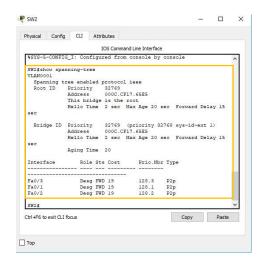
SW3

Pemberian nama masing-masing switch dengan SW1, SW2, dan SW3 dengan cara ketik **enable** lalu ketik **conf term** lalu ketik **hostname SW1**(sesuai dengan nama switch nya)

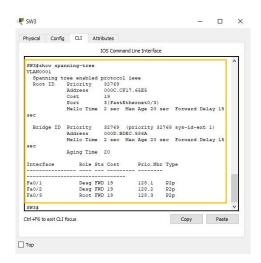
3. Spanning-tree pada masing-masing switch



No	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	0060.7009.ABAC
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	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	000C.CF17.65E5
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	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	000D.BDEC.586A
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

□ Root bridge : SW2□ Designated bridge : SW3

 \square Root port : SW1(0/2), SW3(0/3)

 \Box Designated port : SW3(0/3)

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

0/3)

• Port keadaan blocking : SW1(0/3)

4. Lakukan ping dari PC leo ke PC virgo

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Physical Config Desktop Programming Attributes

Command Prompt

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

2aply from 172.21.1.3 with 32 bytes of data:

2aply from 172.21.1.3 with 32 bytes of facts:

2aply from 172.21.1.3 with 32 bytes 32 time-55m TTT-108

2aply from 172.21.1.3 bytes=92 time-9m TTT-108

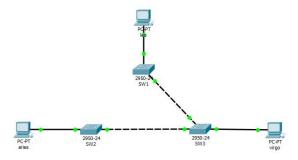
2aply from 172.21.1.3: bytes=92 time-9ms TTT-108

2aply
```

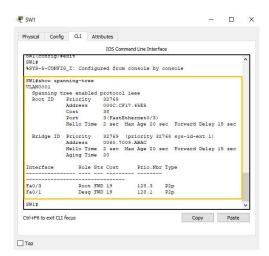
Tap 2 kali pada PC leo lalu pilih dekstop lalu pilih command prompt. Ketikkan **ping 172.21.1.3** lalu enter dan akan kaluar hasilnya. Bahwa PC leo dan PC virgo saling berhubungan.

Kegiatan 2. Topologi 2

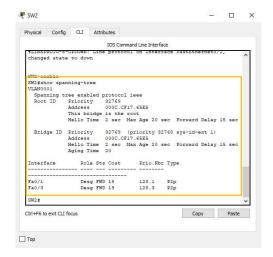
1. Rancangan Jaringan



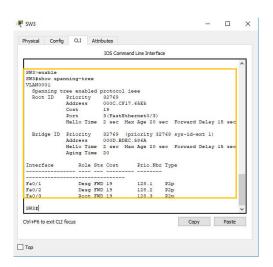
2. Spanning-tree pada masing-masing switch



No	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	0060.7009.ABAC
4	Bridge ID	32769
5	Cost(0/1;0/2;0/3)	38
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec



No	Variabel	Nilai
1	Root ID	32769
2	Priority	-
3	MAC Address	000C.CF17.65E5
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	Variabel	Nilai
1	Root ID	32769
2	Priority	-

3	MAC Address	000D.BDEC.586A
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

□ Root bridge : SW2□ Designated bridge : SW3

 \square Root port : SW1(0/3), SW3(0/3)

 \Box Designated port : SW3(0/3)

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

• Port keadaan blocking :-

3. Lakukan ping dari PC leo ke PC virgo

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Sacket Tracer PC Command Line 1.0

C:\Psinging 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3: bytes=32 time=1/ms TTL=128

Reply from 172.21.1.3: bytes=32 time=fms TTL=128

Reply from 172.21.1.3: bytes=32 time=fms TTL=128

Reply from 172.21.1.3: bytes=32 time=lms TTL=128

Reply from 172.21.1.3: bytes=32 time=lms 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:

Hinimum = Oms, Haximum = 17ms, Average = Sms

C:\P
```

Tap 2 kali pada PC leo lalu pilih dekstop lalu pilih command prompt. Ketikkan **ping 172.21.1.3** lalu enter dan akan kaluar hasilnya. Bahwa PC leo dan PC virgo saling berhubungan.