Nama: Nur Aini Afdallah

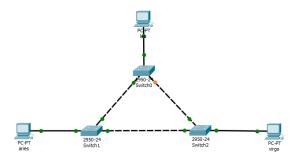
NIM : L200170107

Kelas : C

Modul: 6

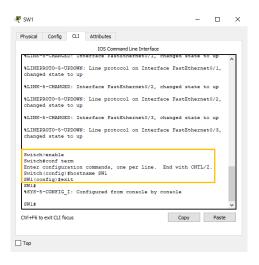
## Kegiatan 1. Topologi 1

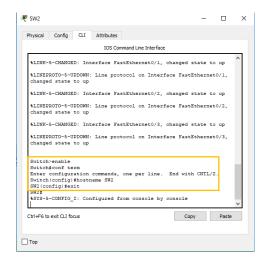
### 1. Rancangan Jaringan



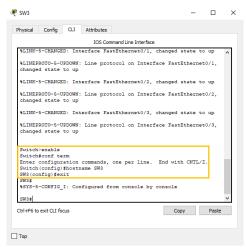
Drag 3 switch catalyst 2950 yang diambil dari network devices dan drop ke lembar kerja. Lalu drag 3 PC yang di ambil di end devices dan drop ke lembar kerja. Lalu hubungkan switch dengan switch dan switch dengan PC dengan connections.

### 2. Pemberian nama switch dari mode user



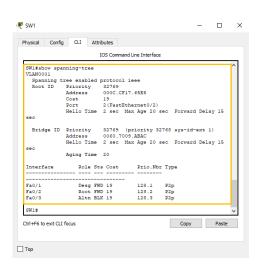


SW3

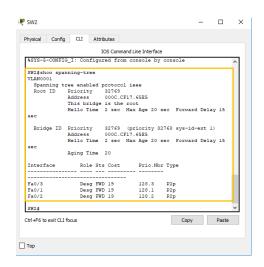


Pemberian nama masing-masing switch dengan SW1, SW2, dan SW3 dengan cara ketik **enable** lalu ketik **conf term** lalu ketik **hostname SW1**(sesuai dengan nama switch nya)

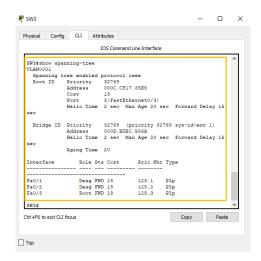
#### 3. Spanning-tree pada masing-masing switch



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 : SW2Designated bridge : SW3

• Root port : SW1(0/2), SW3(0/3)

• 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

```
Physical Config Desktop Programming Attributes

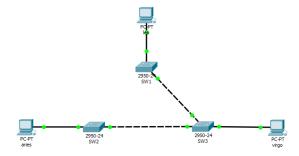
Command Prompt

Packet Tracer FC Command Line 1.0
C:\Poing 172.21.1.3 with 32 bytes of data:
Reply from 172.21.1.3 with 32 bytes of data:
Reply from 172.21.1.3 bytes=32 time=55ms TTI=128
Reply from 172.21.1.3 bytes=32 time=12ms TTI=128
Reply from 172.21.1.3 bytes=32 time=6ms TTI=128
Reply from 172.21.1.3: bytes=32 time=5ms TTI=128
```

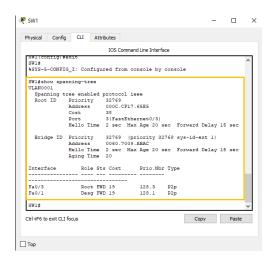
Tap 2 kali pada PC leo lalu pilih dekstop lalu pilih command prompt. Ketikkan **ping 172.21.1.3** lalu enter dan akan kaluar hasilnya. Bahwa PC leo dan PC virgo saling berhubungan.

# Kegiatan 2. Topologi 2

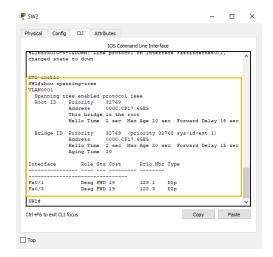
# 1. Rancangan Jaringan



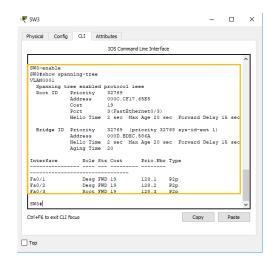
## 2. Spanning-tree pada masing-masing switch



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 : SW2Designated bridge : SW3

• Root port : SW1(0/3), SW3(0/3)

• 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

```
Eachet Tracer PC Command Line 1.0

C:\psing 172.21.1.3 with 32 bytes of data:

Reply from 172.21.1.3 bytes=22 time=17ms TIL=128

Reply from 172.21.1.3 bytes=22 time=mm TITL=128

Reply from 172.21.1.3 bytes=32 time=imm TITL=128

Reply from 172.21.1.3 bytes=32 time=imm TITL=128

Ping statistics for 172.21.1.3:

2ackets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate zound trip times an mill: -seconds:

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

C:\psi
```

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.