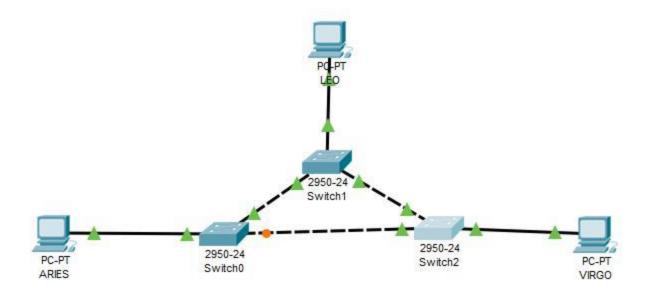
Nama : Dandung Rahmatdhan

NIM : L200170098

Kelas : C Modul : 6

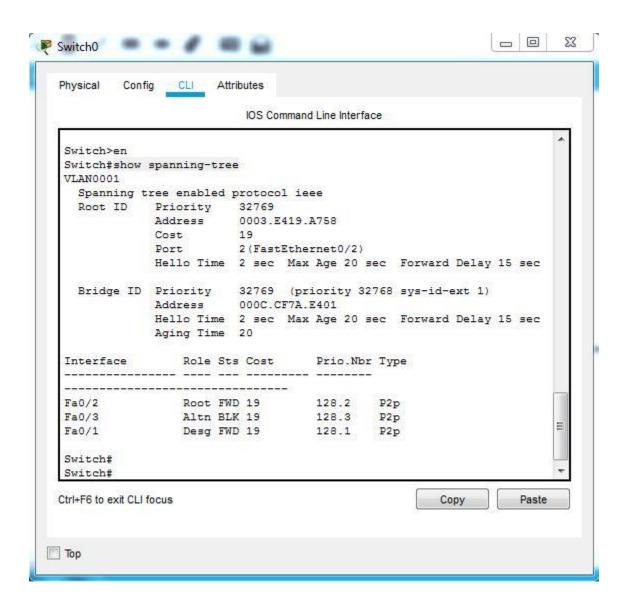
### **KEGIATAN 1**

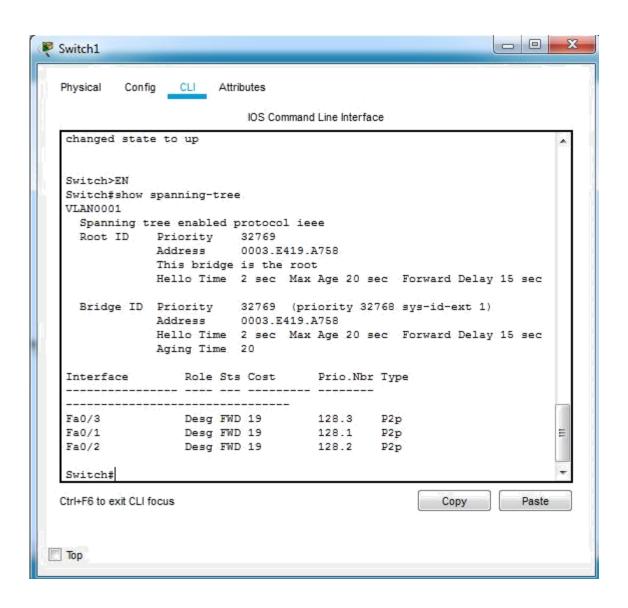
1.A Berikut adalah struktur topologi

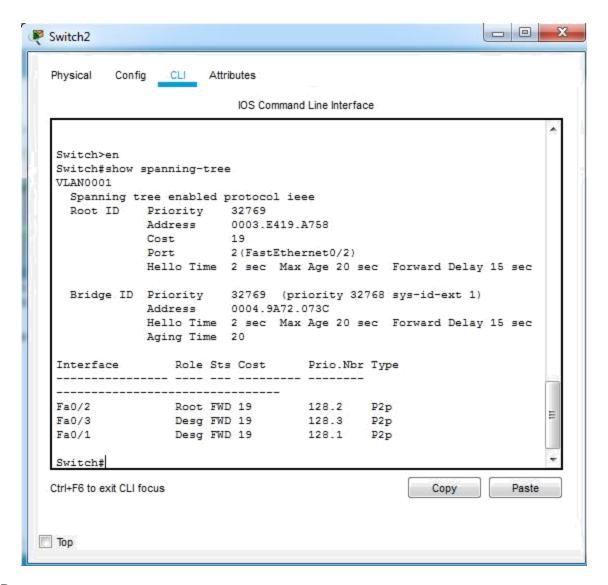


- 2.A Dari struktur jaringan diatas terdapat 3 Switch dan 3 *Workstation*, dengan nama *Switch* yaitu SW1, SW2, dan SW3. Sedangkan *Workstation* ialah Leo, Aries, dan Virgo.
- 2. Setelah itu konfigurasi setiap Workstation dengan IP Address:
  - Leo = 172.21.1.1/24
  - $\Box$  Aries = 172.21.1.2/24
  - $\Box$  Virgo = 172.21.1.3/24

4.A Tampilan masing-masing status STP(Spanning Tree Protocol) pada switch.







В

#### SW<sub>0</sub>

No	Variable	Nilai	
	Root ID		
1	Priority	32769	
2	MAC Adrress	0003.E419.A768	
	Bridge ID		
3	Cost(0/1;0/2;0/3)	19	
4	Hello Time	2 Sec	
5	Max Age	20 Sec	
6	Forward Delay	15 Sec	

No	Variable	Nilai	
	Root ID		
1	Priority	32769	
2	MAC Adrress	0003.E419.A768	
	Bridge ID		
3	Cost(0/1;0/2;0/3)	19	
4	Hello Time	2 Sec	
5	Max Age	20 Sec	
6	Forward Delay	15 Sec	

#### SW2

No	Variable	Nilai	
	Root ID		
1	Priority	32769	
2	MAC Adrress	0003.E419.A758	
	Bridge ID		
3	Cost(0/1;0/2;0/3)	19	
4	Hello Time	2 Sec	
5	Max Age	20 Sec	
6	Forward Delay	15 Sec	

С

Pada kondisi default Switch dan Port yang menjadi :

- Root Bridge ialah Switch SW3
- Designated Bridge ialah Switch SW1
- Root Port ialah Fa0/3 pada SW1 dan Fa0/3 pada SW2
- Designated Port ialah Fa0/1 dan Fa0/2

D

Pada kondisi default port yang:

- Barada pada keadaan *forwarding* pada SW1(Fa0/1, Fa0/2, dan Fa0/3), SW2(Fa0/1 dan Fa0/3), dan SW3(Fa0/1, Fa0/2, dan Fa0/3).
- Berada pada keadaan blocking pada SW2 (Fa0/2).

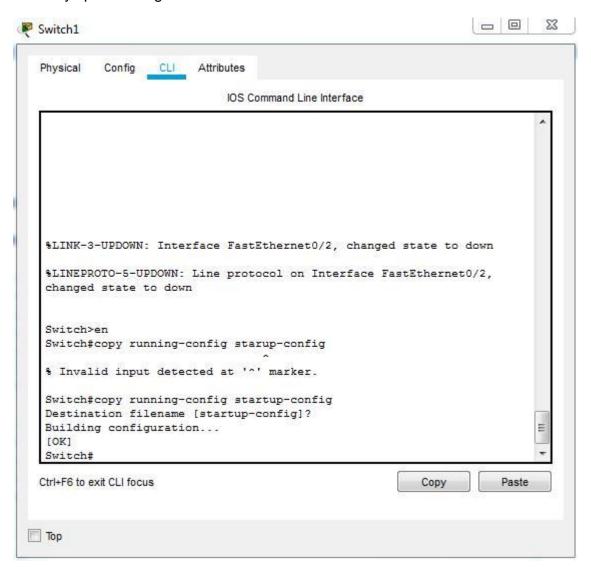
## 5. Ping dari Pc Leo ke Virgo

```
C:\>ping 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of data:

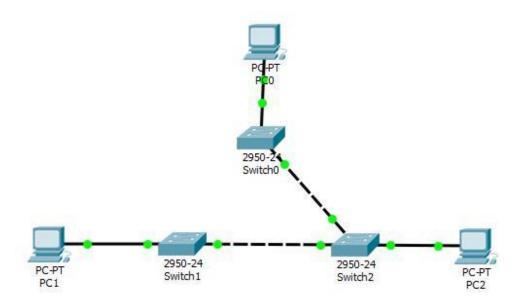
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms</pre>
C:\>
```

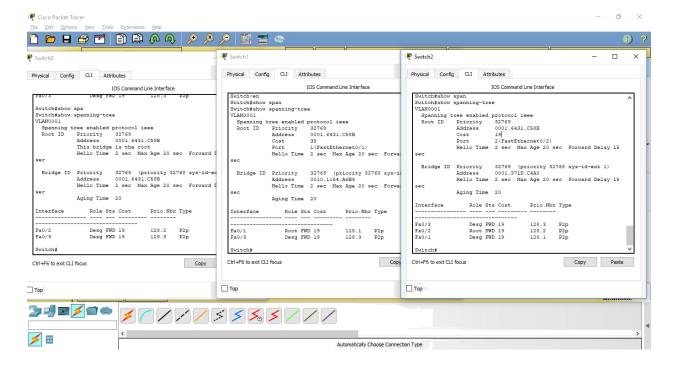
### 6.A Menyiapkan konfigurasi switch



# **KEGIATAN 2.**

Membuat Design Seperti dibawah ini lalu cek spanning tree





#### SW<sub>0</sub>

NO	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Addrres	0001.6431.C58B
4	Bridge ID	32769
5	Cost(0/1,0/2,0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

#### SW 1

NO	Variabel	Nilai
1	Root ID	32769
2	Priority	32769
3	MAC Addrres	0001.6431.C58B
4	Bridge ID	32769
5	Cost(0/1,0/2,0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec

## SW 2

NO	Variabel	Nilai		
1	Root ID	32769		
2	Priority	32769		
3	MAC Addrres	0001.6431.C58B		
4	Bridge ID	32769		
5	Cost(0/1,0/2,0/3)	19;19;19		
6	Hello Time	2 sec		
7	MaxAge	20 sec		
8	Forward Delay	15 sec		

Root bridge : sw1 / sw2

Designated bridge : sw0

Root port : sw1 / sw 2

Designated port : sw0

Forwarding : sw0/sw1/sw2

Blocking : None