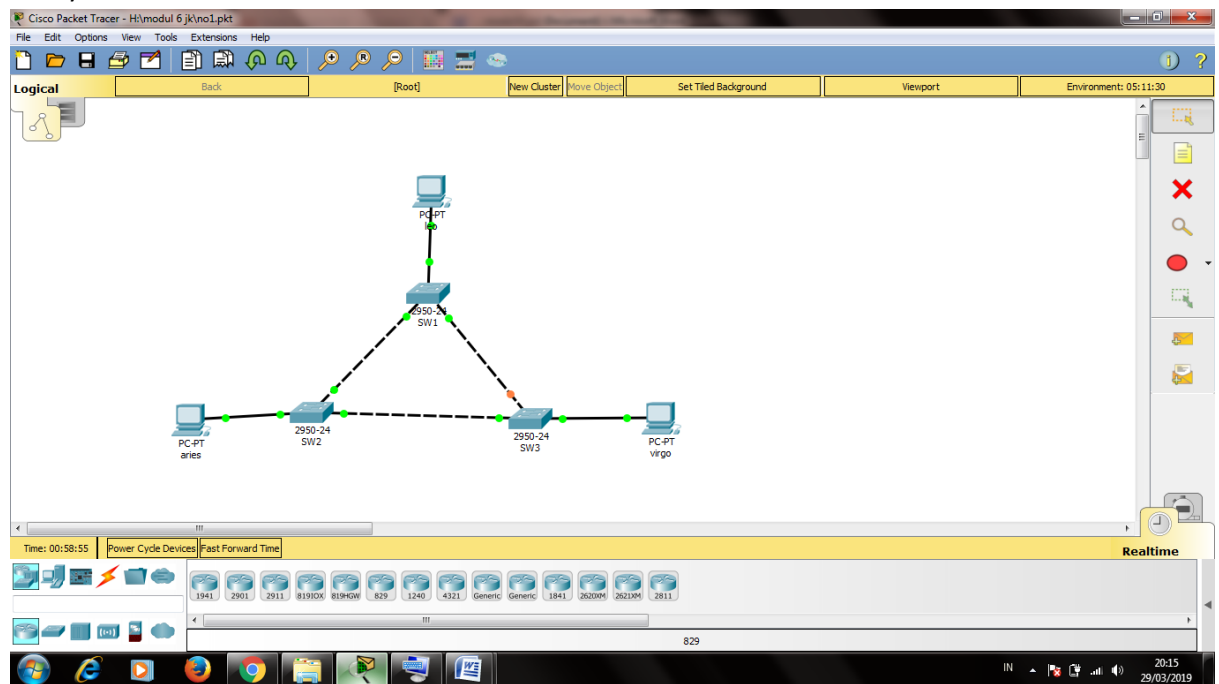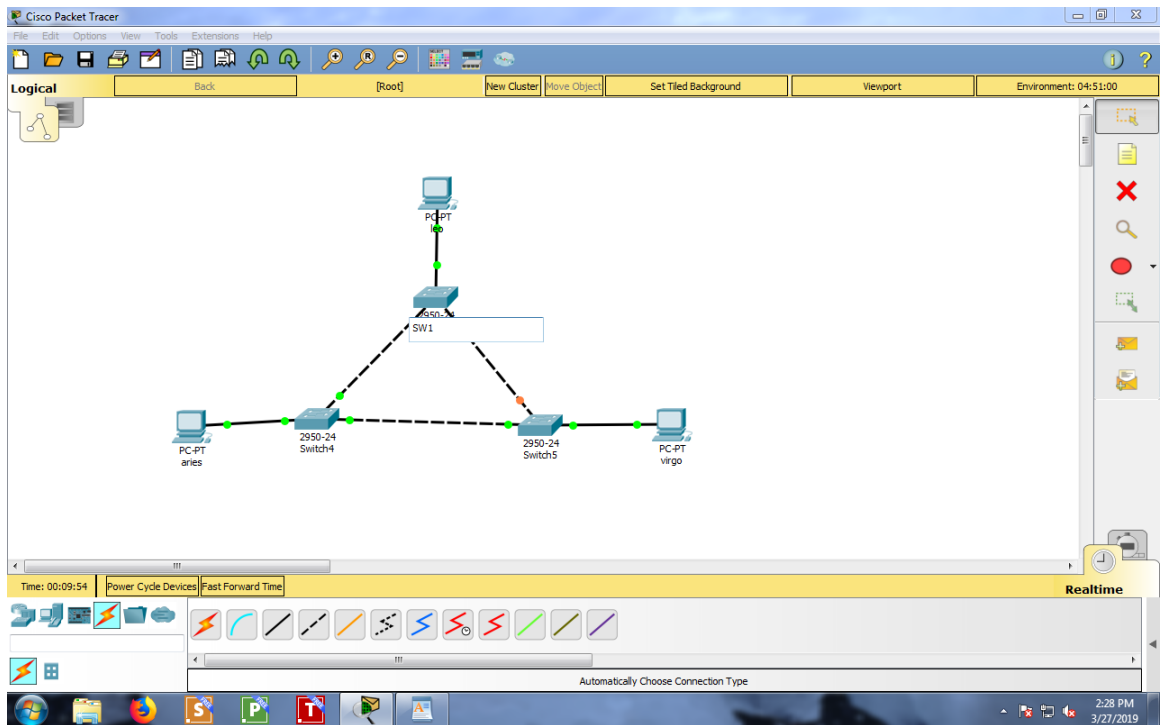NAMA: TIKA PRATIWI

NIM: L200170046
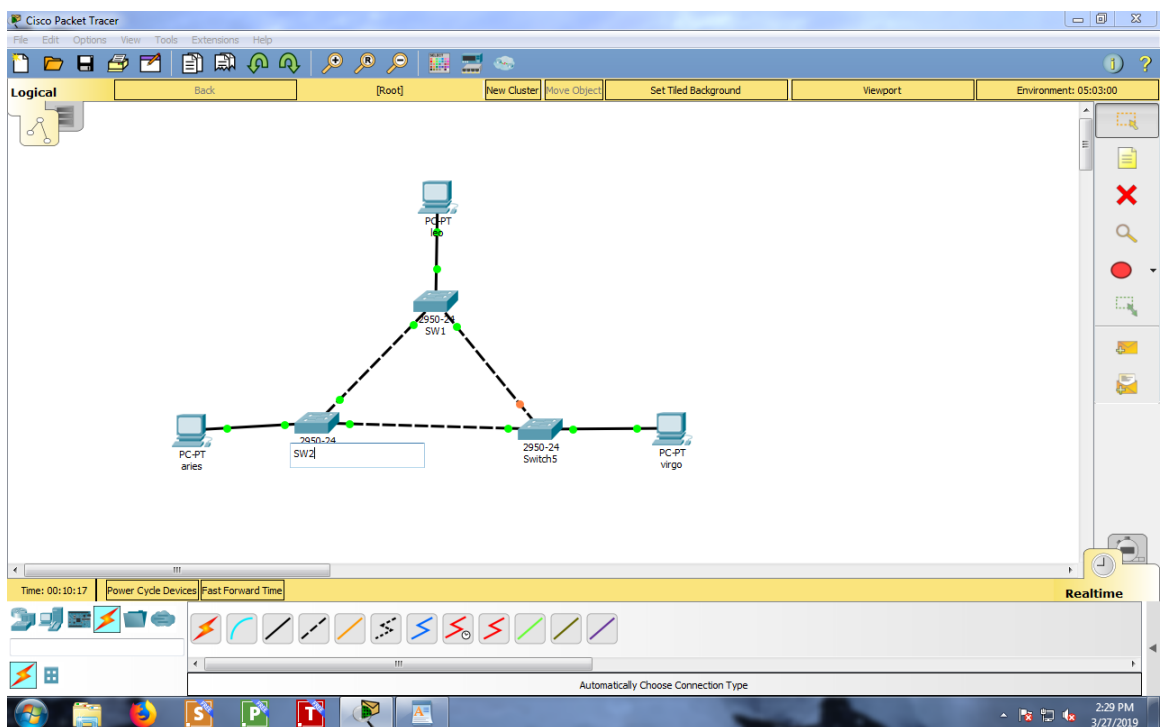
KELAS: B

MODUL 6

TOPOLOGI 1:

1. Menggunakan PACKET TRACER buat topologi berikut ini dengan menggunakan switch Catalyst 2950.

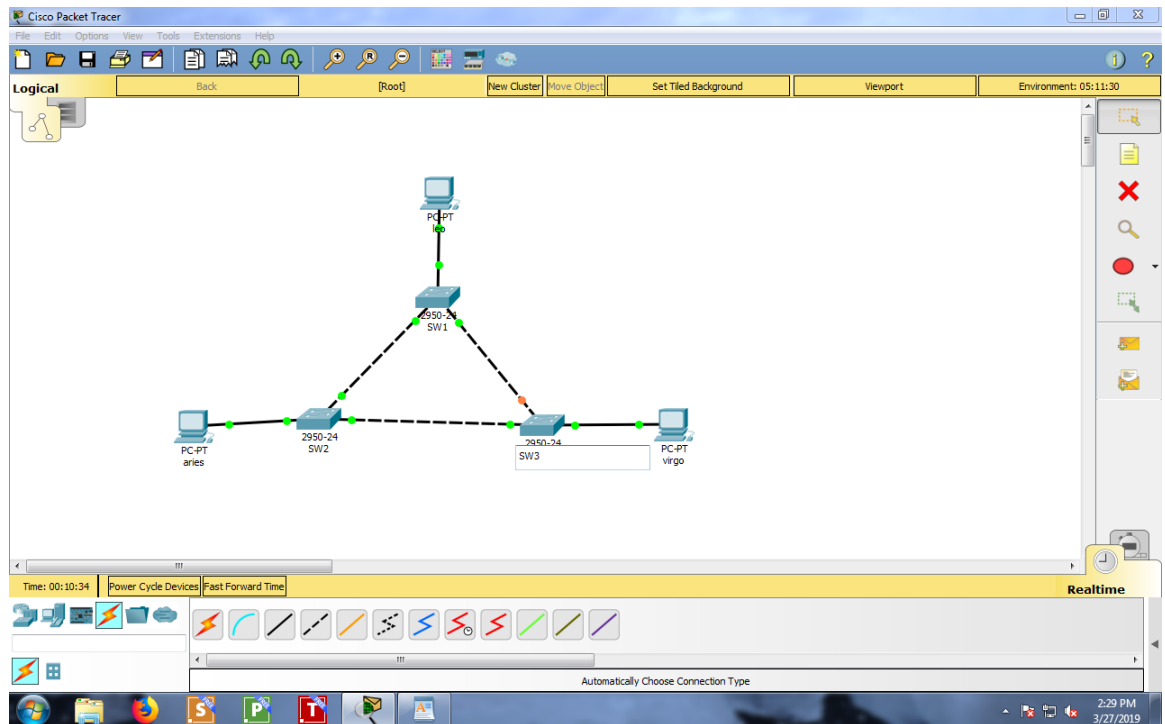
2. Beri nama masing-masing switch dengan SW1, SW2, dan SW3.
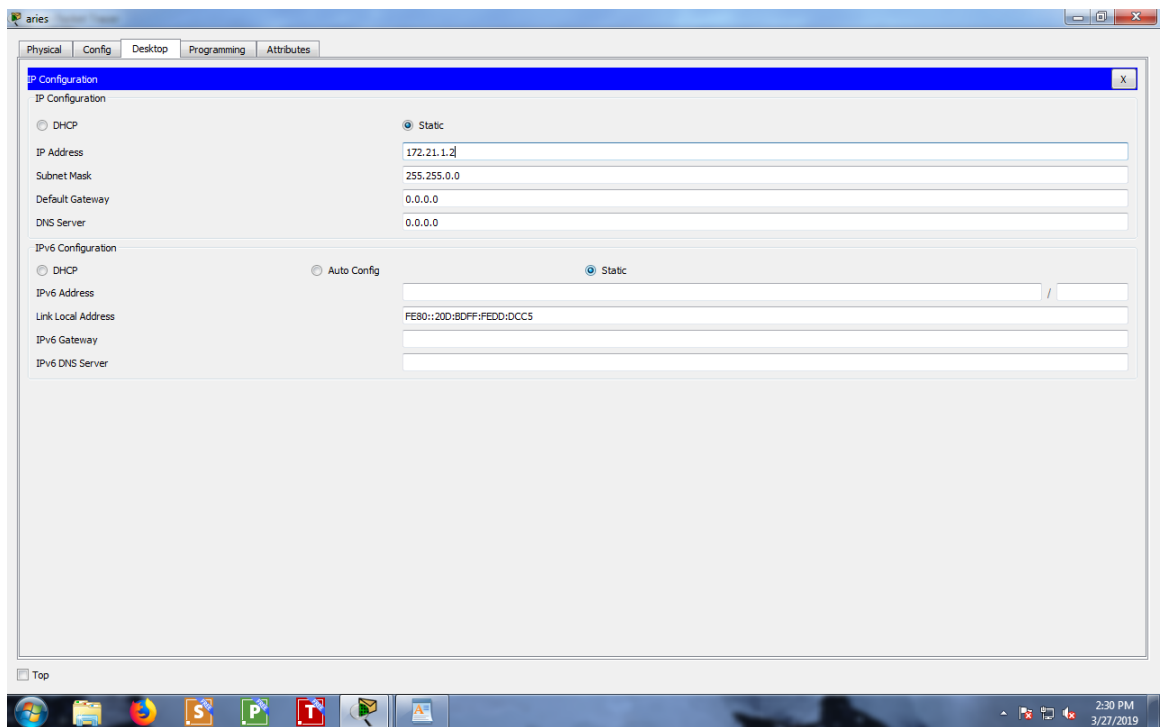   SW1

SW2
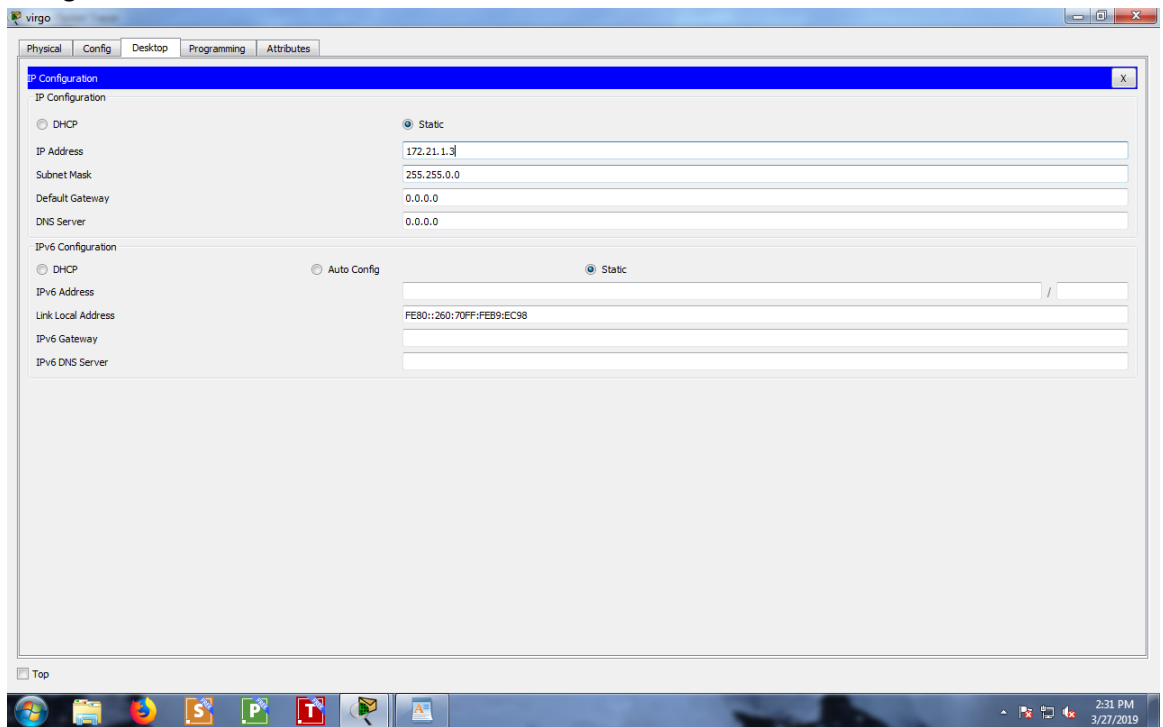
SW3

3. Konfigurasi masing-masing PC dengan alamat IP.

IP leo

IP aries

aries

Physical | Config | Desktop | Programming | Attributes

IP Configuration [X]

IP Configuration

- ○ DHCP   ● Static

IP Address	172.21.1.2
Subnet Mask	255.255.0.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration

- ○ DHCP   ○ Auto Config   ● Static

IPv6 Address	/
Link Local Address	FE80::20D:BDFF:FEDD:DCC5
IPv6 Gateway	
IPv6 DNS Server	

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3/27/2019

IP virgo

virgo

Physical | Config | Desktop | Programming | Attributes

IP Configuration [X]

IP Configuration

- ○ DHCP   ● Static

IP Address	172.21.1.3
Subnet Mask	255.255.0.0
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

IPv6 Configuration

- ○ DHCP   ○ Auto Config   ● Static

IPv6 Address	/
Link Local Address	FE80::260:70FF:FEB9:EC98
IPv6 Gateway	
IPv6 DNS Server	

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3/27/2019

4. Pada mode user atau mode privileged, lihat status STP pada masing-masing switch:

SW1:
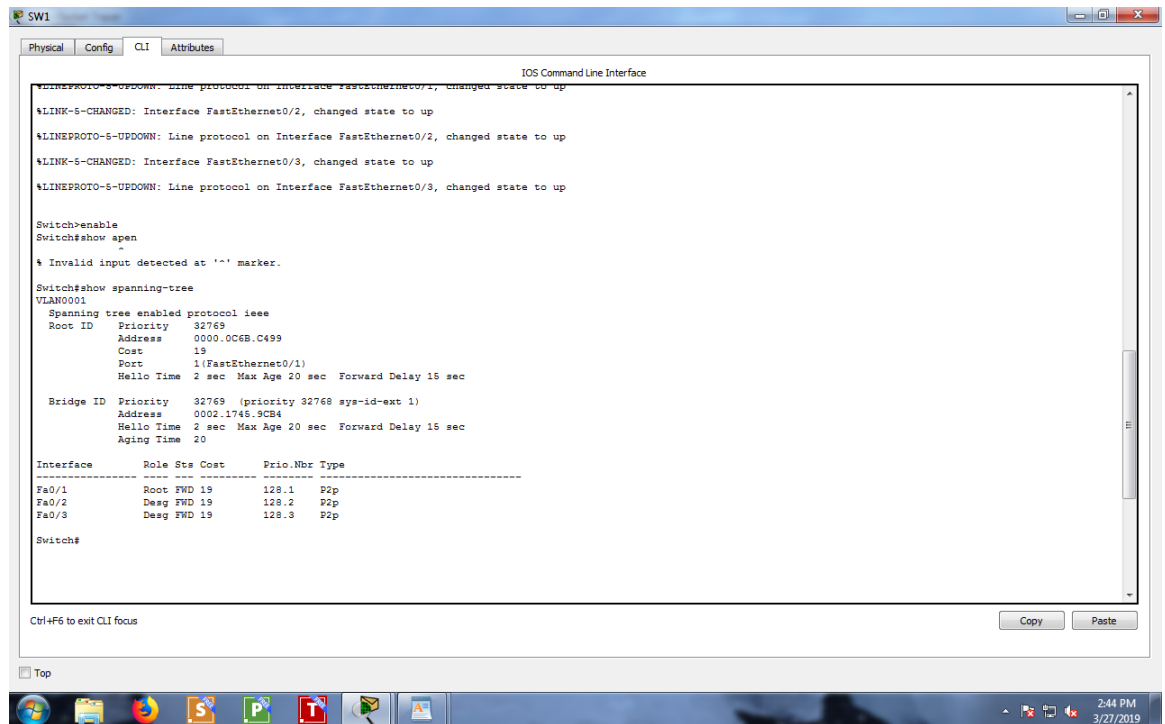
No	Variabel	Nilai
1	Root ID	32769.0000.0C6B.C499
2	Priority	32769
3	MAC Address	0000.0C6B.C499
4	Bridge ID	32764.0000.1745.9CB4
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec
9	Interface	fa0/1, fa0/2, fa0/3
10	Role	Root,Desg,Desg
11	Sts	FWD

SW2:
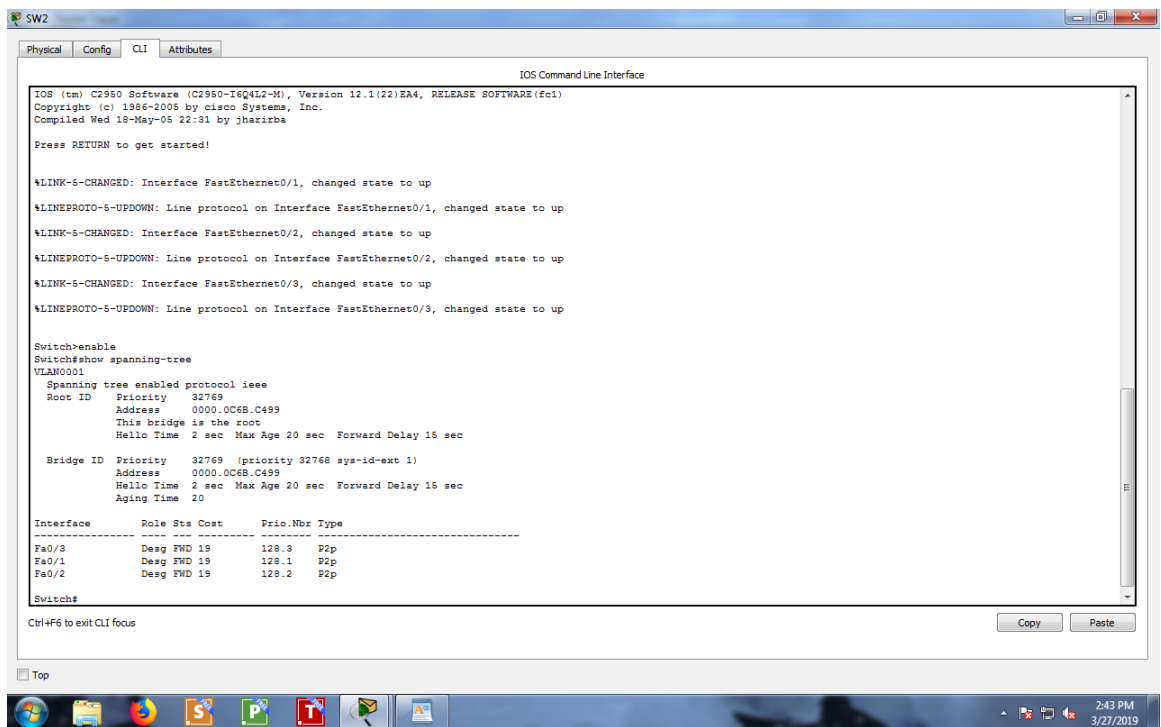
No	Variabel	Nilai
1	Root ID	32769.0000.0C6B.C499
2	Priority	32769
3	MAC Address	0000.0C6B.C499
4	Bridge ID	32769.0000.0C6B.C499
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec
9	Interface	fa0/3, fa0/1, fa0/2
10	Role	Desg,Desg,Desg
11	Sts	FWD

SW3:
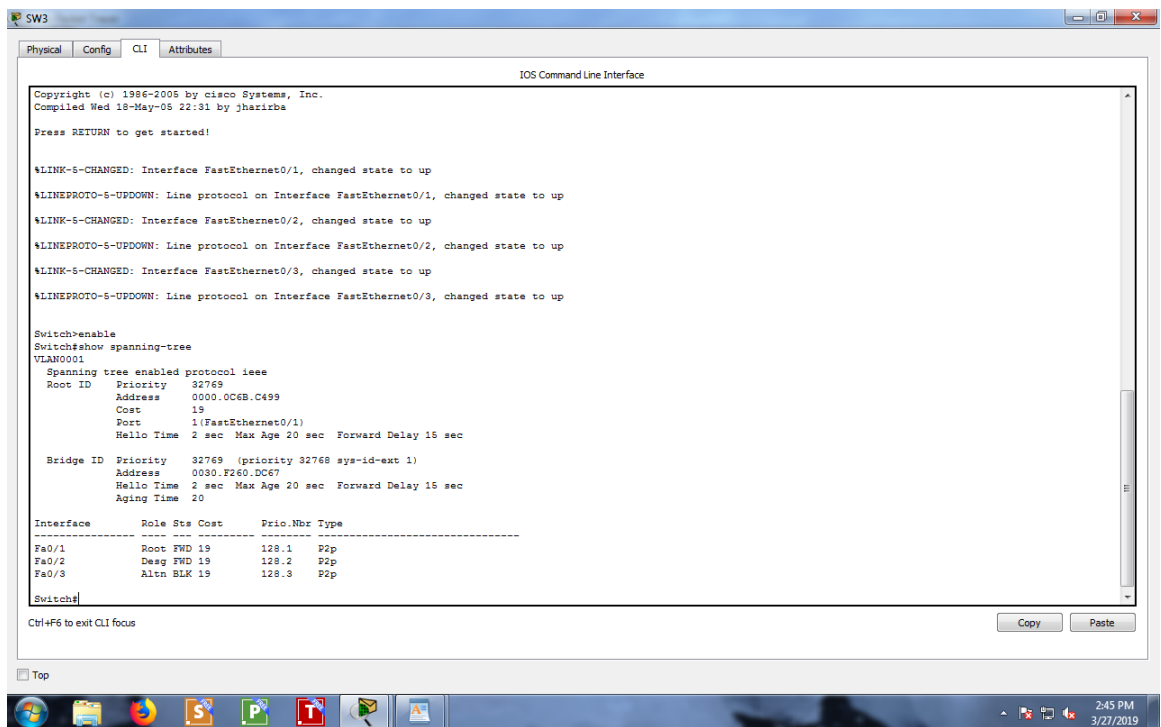
No	Variabel	Nilai
1	Root ID	32769.0000.0C6B.C499
2	Priority	32769
3	MAC Address	0000.0C6B.C499
4	Bridge ID	32769.0030.F260.DC67
5	Cost (0/1;0/2;0/3)	19;19;19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward Delay	15 sec
9	Interface	fa0/1, fa0/2, fa0/3
10	Role	Root,Desg,Altn
11	Sts	FWD,FWD,BLK

4C :

-root bridge : SW 2

-root port : SW 1

-destination bridge : SW 3

5C :

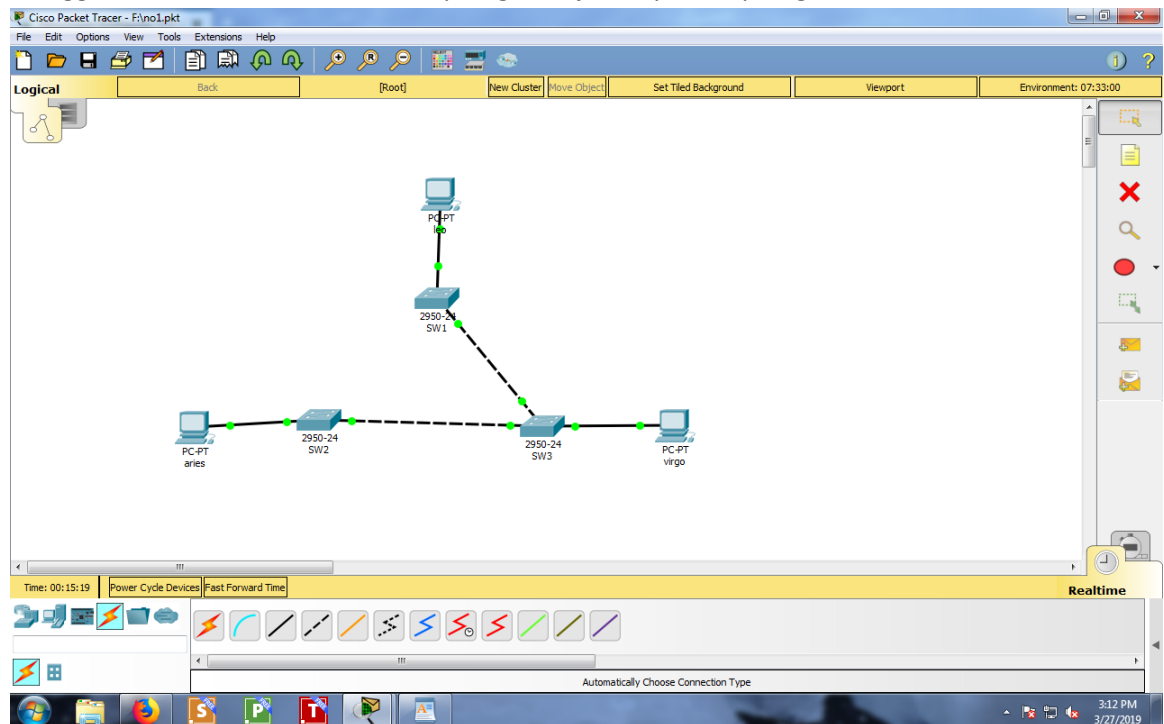- kondisi Forwarding : SW 1 , SW 2, & SW 3 (fa 0/1, fa 0/2)

- kondisi blocking : SW 3 fa 0/3

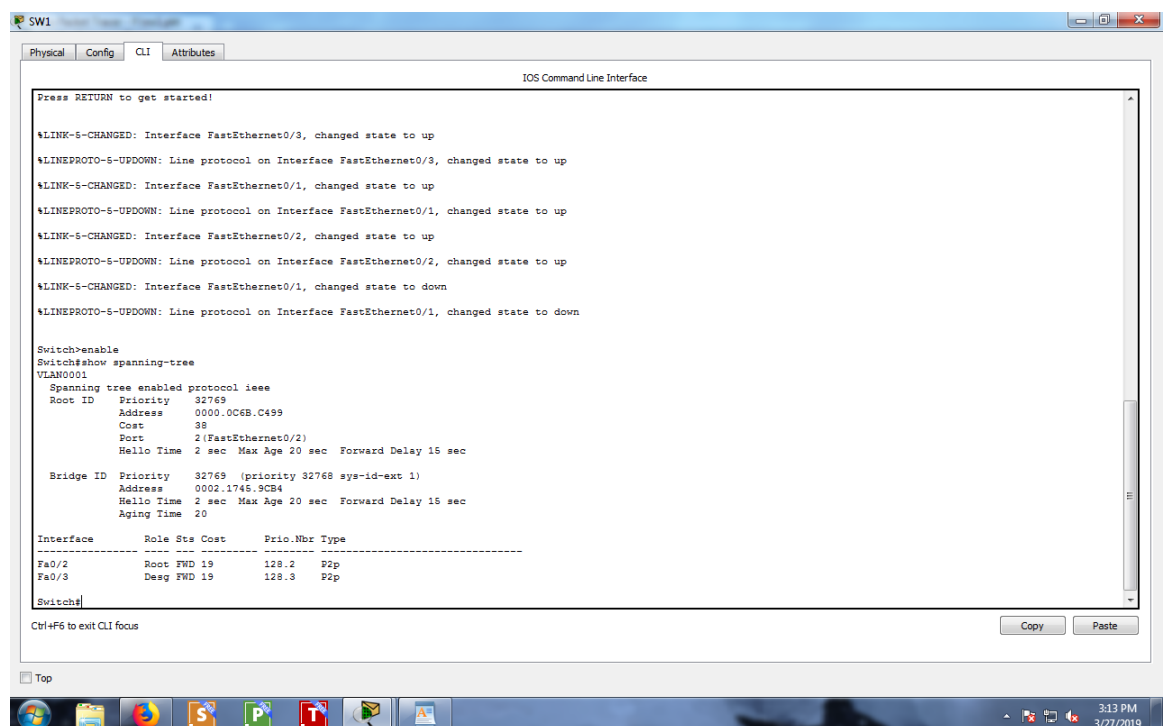5. Dari PC leo lakukan ping ke PC virgo
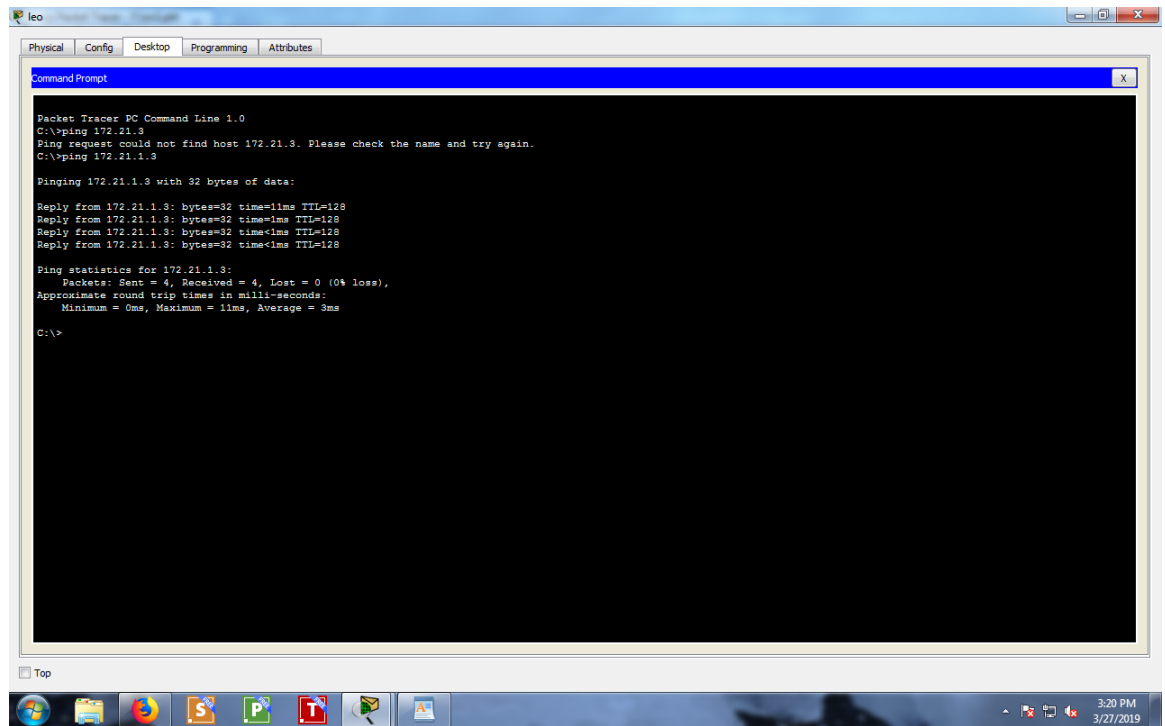
TOPOLOGI 2:

1. Menggunakan Packet Tracer ubah topologi menjadi seperti topologi berikut ini:
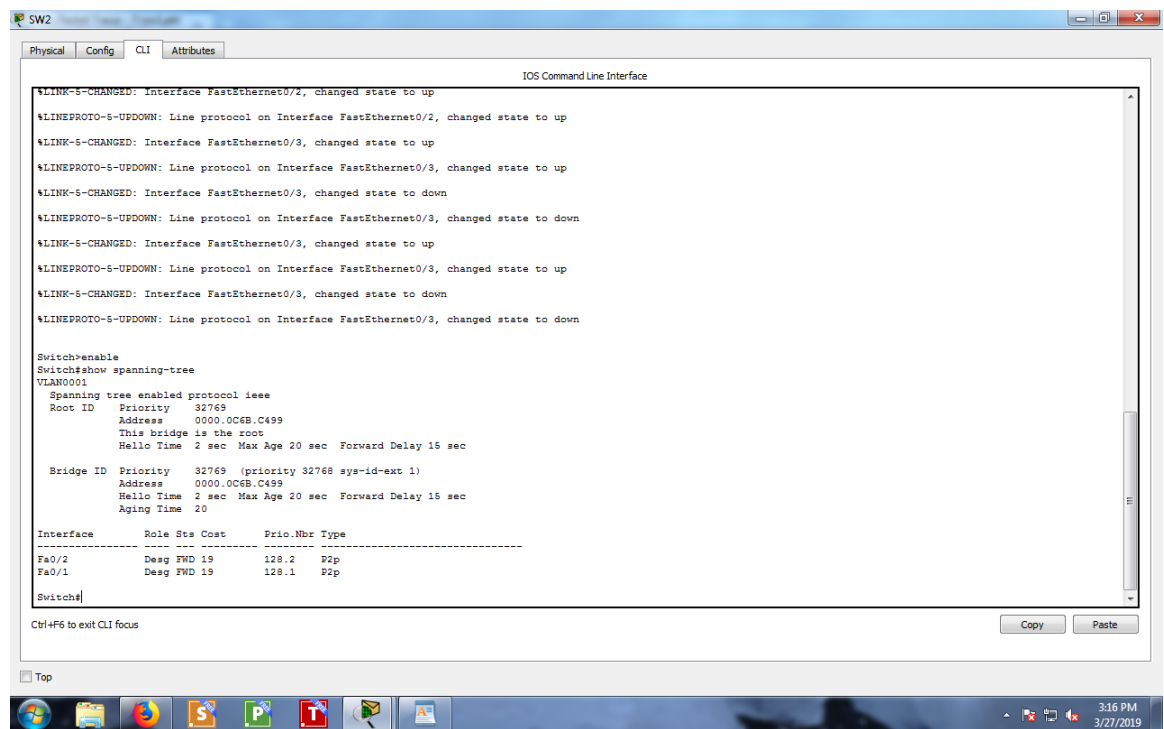

2. Lakukan langkah lab.4 dan lab.5

SW1: ROOT PORT

No	Variabel	Nilai
1	Root ID	32769.0000.0C6B.C499
2	Priority	32769
3	MAC Address	0002.0C6B.C499
4	Bridge ID	32764.0000.1745.9CB4

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
9	Interface	fa0/2, fa0/3
10	Role	Root,Desg
11	Sts	FWD,FWD

SW2:ROOT BRIDGE

No	Variabel	Nilai
1	Root ID	32769.0000.0C6B.C499
2	Priority	32769
3	MAC Address	0000.0C6B.C499
4	Bridge ID	32769.0000.0C6B.C499
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
9	Interface	fa0/2, fa0/1
10	Role	Desg,Desg
11	Sts	FWD,FWD

SW3: ROOT PORT

No	Variabel	Nilai
1	Root ID	32769.0000.0C6B.C499
2	Priority	32769
3	MAC Address	0000.0C6B.C499
4	Bridge ID	32769.0030.F260.DC67
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
9	Interface	fa0/1, fa0/2, fa0/3
10	Role	Root,Desg, Desg
11	Sts	FWD,FWD,FWD

3. Dari PC leo lakukan ping ke PC virgo