# PRAKTIKUM JARINGAN KOMPUTER (Computer Networking)

## LAPORAN TUGAS MODUL 6



Nama : Shafa Bani Saputra

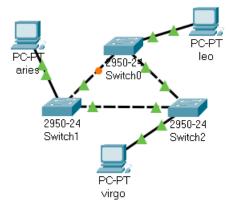
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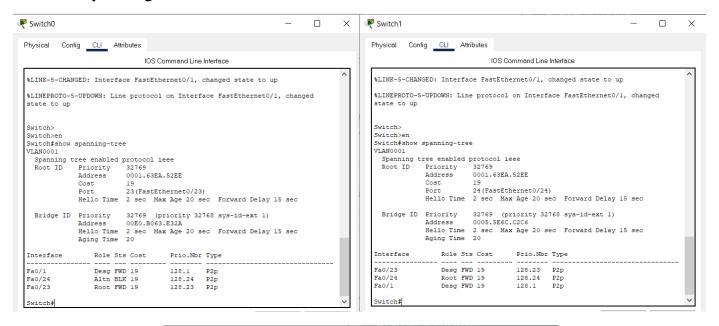
# PROGRAM STUDI INFORMATIKA FAKULTAS KOMUNIKASI DAN INFORMATIKA UNIVERSITAS MUHAMMADIYAH SURAKARTA

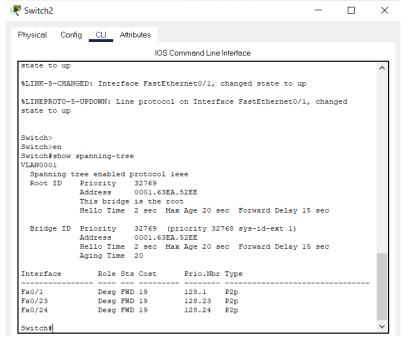
### Kegiatan 1

# Topologi



#### show spanning-tree (switch0, switch1, switch2)





# Switch0

No	Variable	Nilai
1	Root ID	32769 0001 63EA 52EE
2	Priority	32769
3	MAC address	0001.63EA.52EE
4	Bridge ID	32769 00E0 B063 E32A
5	Cost ( tiap Fa )	Fa 0/1 = 19
		Fa 0/23 = 19
		Fa 0/24 = 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward delay	15 sec

#### Switch1

No	Variable	Nilai
1	Root ID	32769 0001 63EA 52EE
2	Priority	32769
3	MAC address	0001.63EA.52EE
4	Bridge ID	32769 0005 5E6C C2C6
5	Cost ( tiap Fa )	Fa 0/1 = 19
		Fa 0/23 = 19
		Fa 0/24 = 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward delay	15 sec

# Switch2

No	Variable	Nilai
1	Root ID	32769 0001 63EA 52EE
2	Priority	32769
3	MAC address	0001.63EA.52EE
4	Bridge ID	32769 0001 63EA 52EE
5	Cost ( tiap Fa )	Fa O/1 = 19
		Fa 0/23 = 19
		Fa 0/24 = 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward delay	15 sec

#### Root bridge

> Switch2

#### Designated bridge

- > Switch1
- > SwitchO

#### Root port

- Switch0 = fa 0/23
- > Switch1 = fa 0/24

#### **Designated port**

- $\triangleright$  Switch0 = fa 0/1
- > Switch1 = fa 0/1, fa 0/23
- > Switch2 = fa 0/1, fa 0/23, fa 0/24

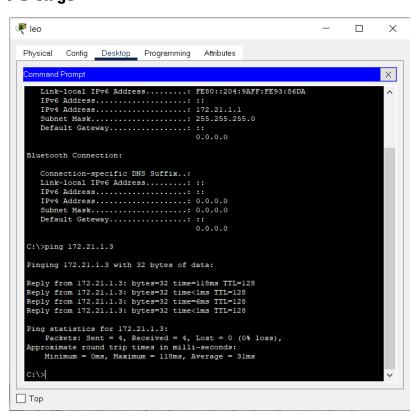
#### Forwarding condition

- $\triangleright$  Switch0 = fa 0/1. fa 0/23
- Switch1 = fa 0/1, fa 0/23, fa 0/24
- $\rightarrow$  Switch2 = fa 0/1, fa 0/23, fa 0/24

#### blocking condition

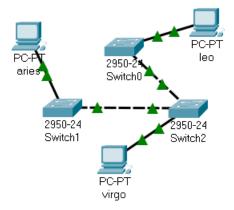
- > Switch0 = fa 0/24
- ➤ Switch1 = -
- ➤ Switch2 = -

#### Ping PC le oke PC virgo

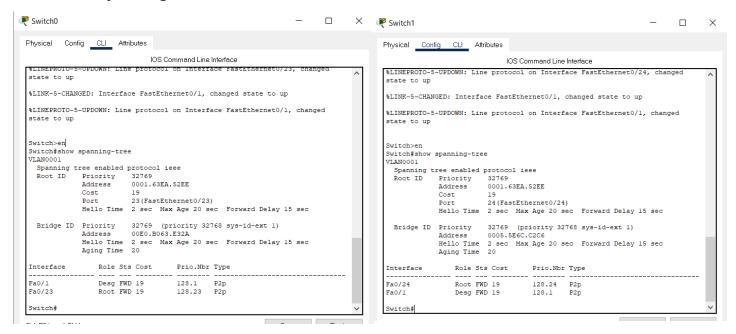


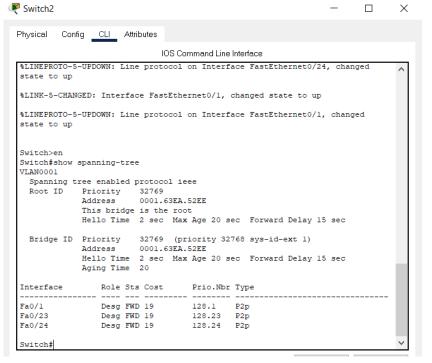
#### Kegiatan 2

#### **Topologi**



#### Show spanning-tree (switch0, switch1, switch2)





# Switch0

No	Variable	Nilai
1	Root ID	32769 0001 63EA 52EE
2	Priority	32769
3	MAC address	0001.63EA.52EE
4	Bridge ID	32769 00E0 B063 E32A
5	Cost ( tiap Fa )	Fa 0/1 = 19
		Fa 0/23 = 19
		Fa 0/24 = 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward delay	15 sec

#### Switch1

No	Variable	Nilai
1	Root ID	32769 0001 63EA 52EE
2	Priority	32769
3	MAC address	0001.63EA.52EE
4	Bridge ID	32769 0005 5E6C C2C6
5	Cost ( tiap Fa )	Fa 0/1 = 19
		Fa 0/23 = 19
		Fa 0/24 = 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward delay	15 sec

# Switch2

No	Variable	Nilai
1	Root ID	32769 0001 63EA 52EE
2	Priority	32769
3	MAC address	0001.63EA.52EE
4	Bridge ID	32769 0001 63EA 52EE
5	Cost ( tiap Fa )	Fa O/1 = 19
		Fa 0/23 = 19
		Fa 0/24 = 19
6	Hello Time	2 sec
7	MaxAge	20 sec
8	Forward delay	15 sec

#### Root bridge

> Switch2

#### Designated bridge

- > Switch1
- > SwitchO

#### Root port

- > Switch0 = fa 0/23
- > Switch1 = fa 0/24

#### **Designated port**

- > Switch0 = fa 0/1
- $\triangleright$  Switch1 = fa 0/1
- Switch2 = fa 0/1, fa 0/23, fa 0/24

#### Forwarding condition

- > Switch0 = fa 0/1, fa 0/23
- Switch1 = fa 0/1, fa 0/24
- $\rightarrow$  Switch2 = fa 0/1, fa 0/23, fa 0/24

#### blocking condition

- ➤ SwitchO = -
- ➤ Switch1 = -
- ➤ Switch2 = -

#### Ping PC le oke PC virgo

