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Modul ke-	4

## No.1

### Langkah 1-6

The image displays two screenshots of the Cisco Packet Tracer interface, showing the configuration of a switch (Switch0) connected to six PCs (PC-PT leo, anies, virgo, libra, taurus, scorpio).

**Top Screenshot:** The switch configuration window is open, showing the following commands:

```

Switch>enable
Switch#conf term
Enter configuration commands, one per line. End with
Ctrl+Z.
Switch(config)#vlan 10
Switch(config-vlan)#name zodiak 1
Switch(config-vlan)#exit
Switch(config)#vlan 20
Switch(config-vlan)#name zodiak2
Switch(config-vlan)#exit
Switch(config)#vlan 30
Switch(config-vlan)#name zodiak3
Switch(config-vlan)#exit
Switch(config)#interface FastEthernet 0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit

```

**Bottom Screenshot:** The switch configuration window is open, showing the completed configuration for all interfaces:

```

Switch(config-vlan)#exit
Switch(config)#interface FastEthernet 0/1
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#interface FastEthernet 0/4
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 10
Switch(config-if)#exit
Switch(config)#interface FastEthernet 0/2
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#interface FastEthernet 0/5
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#interface FastEthernet 0/3
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#interface FastEthernet 0/6
Switch(config-if)#switchport mode access
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#^Z
Switch(config)#^Z

```

Cisco Packet Tracer - G:\jarkom\3\uno 1.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 1610, y: 379

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#show vlan brief
```

VLAN Name	Status	Ports
1 default	active	Fa0/7, Fa0/8, Fa0/9, Fa0/10, Fa0/11, Fa0/12, Fa0/13, Fa0/14, Fa0/15, Fa0/16, Fa0/17, Fa0/18, Fa0/19, Fa0/20, Fa0/21, Fa0/22, Fa0/23, Fa0/24
10 zodiak1	active	Fa0/1, Fa0/4
20 zodiak2	active	Fa0/2, Fa0/5
30 zodiak3	active	Fa0/3, Fa0/6

Ctrl+F8 to exit CLI focus

Copy Paste

Top

Time: 00:11:27

Realtime Simulation

Copper Straight-Through

23:20 14/03/2019

Cisco Packet Tracer - G:\jarkom\3\uno 1.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 1637, y: 336

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
1004 zddinst-default
1005 trinet-default
Switch#show vlan id 10
```

VLAN Name	Status	Ports
10 zodiak1	active	Fa0/1, Fa0/4

```
VLAN Type SAID MTU Parent RingNo BridgeNo Stp
BrdgMode Trans1 Trans2
10 enet 100010 1500 - - - - -
0 0
```

```
Switch#show vlan id 20
```

VLAN Name	Status	Ports
20 zodiak2	active	Fa0/2, Fa0/5

Ctrl+F8 to exit CLI focus

Copy Paste

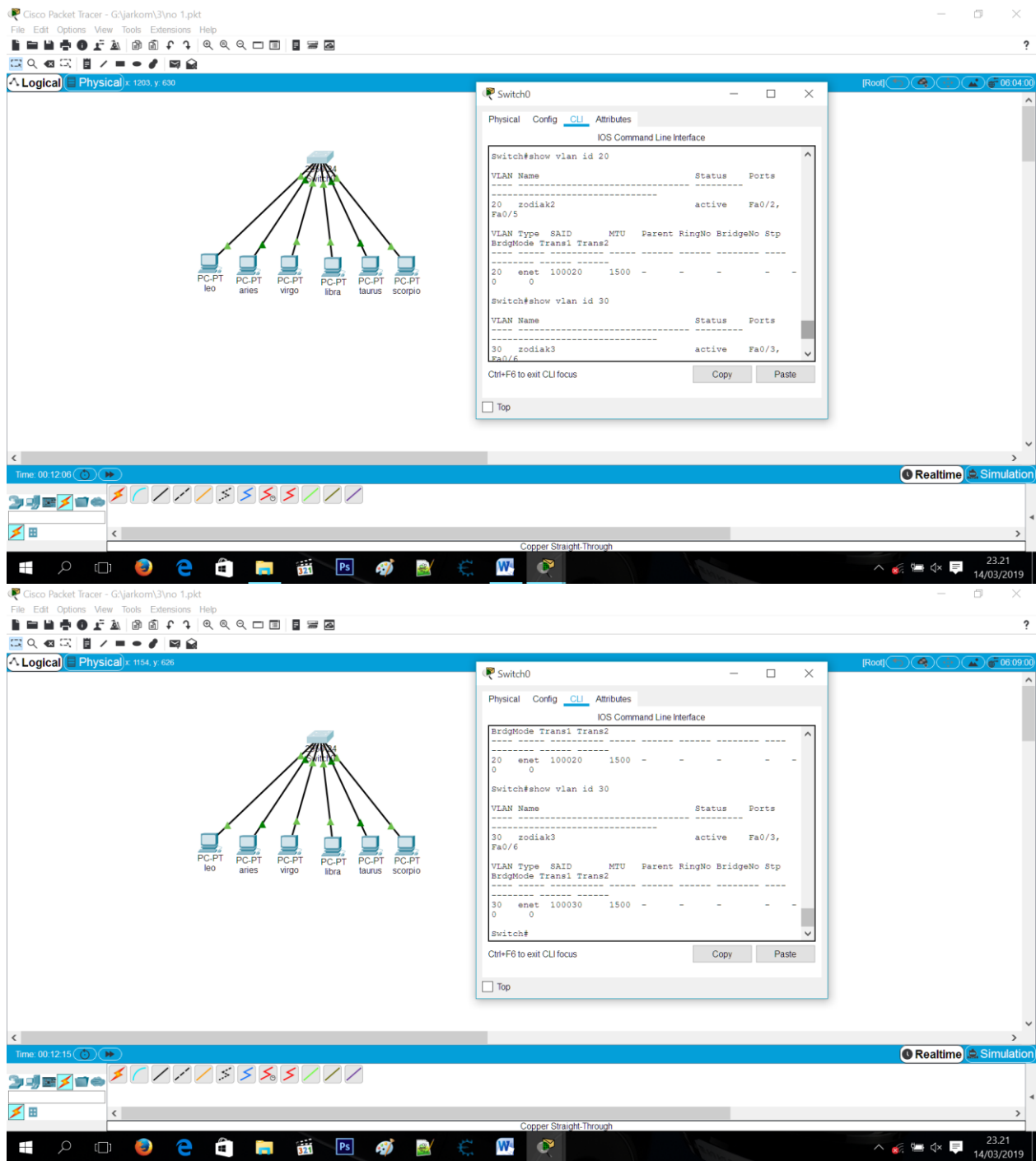
Top

Time: 00:11:48

Realtime Simulation

Copper Straight-Through

23:20 14/03/2019



### Tugas 6A:

No	Variabel	Nilai
1	Nomor VLAN	10
2	Nama VLAN	Zodiak1
3	Port	Fa 0/1, fa 0/4
4	Status	active

No	Variabel	Nilai
1	Nomor VLAN	20
2	Nama VLAN	Zodiak2
3	Port	Fa 0/2, fa 0/5
4	Status	active

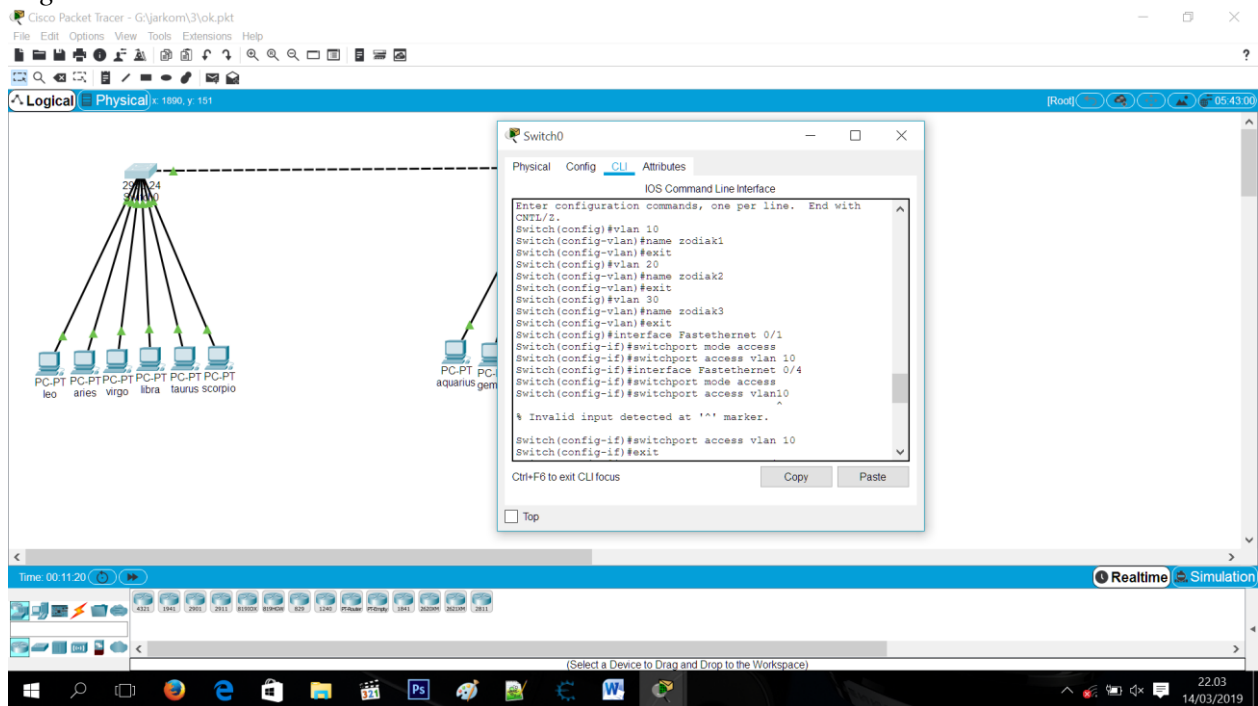
No	Variabel	Nilai
1	Nomor VLAN	30
2	Nama VLAN	Zodiak3
3	Port	Fa 0/3, fa 0/6
4	Status	active

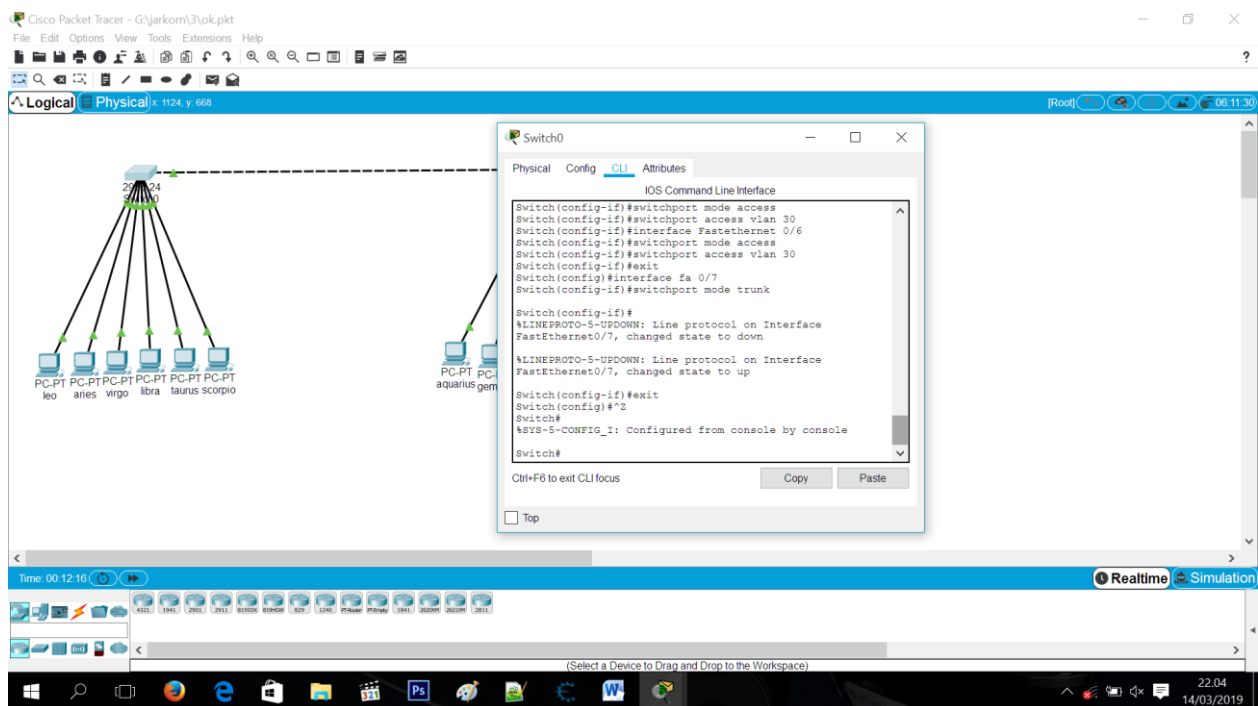
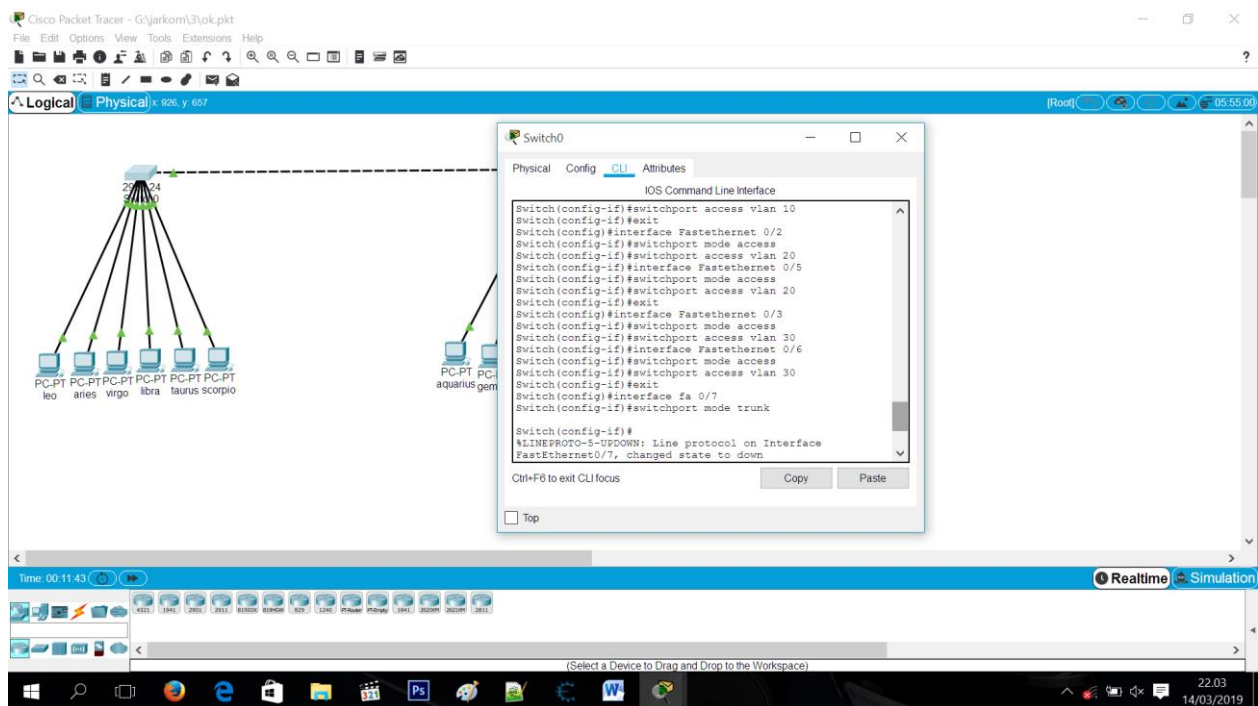
### **Tugas 6B:**

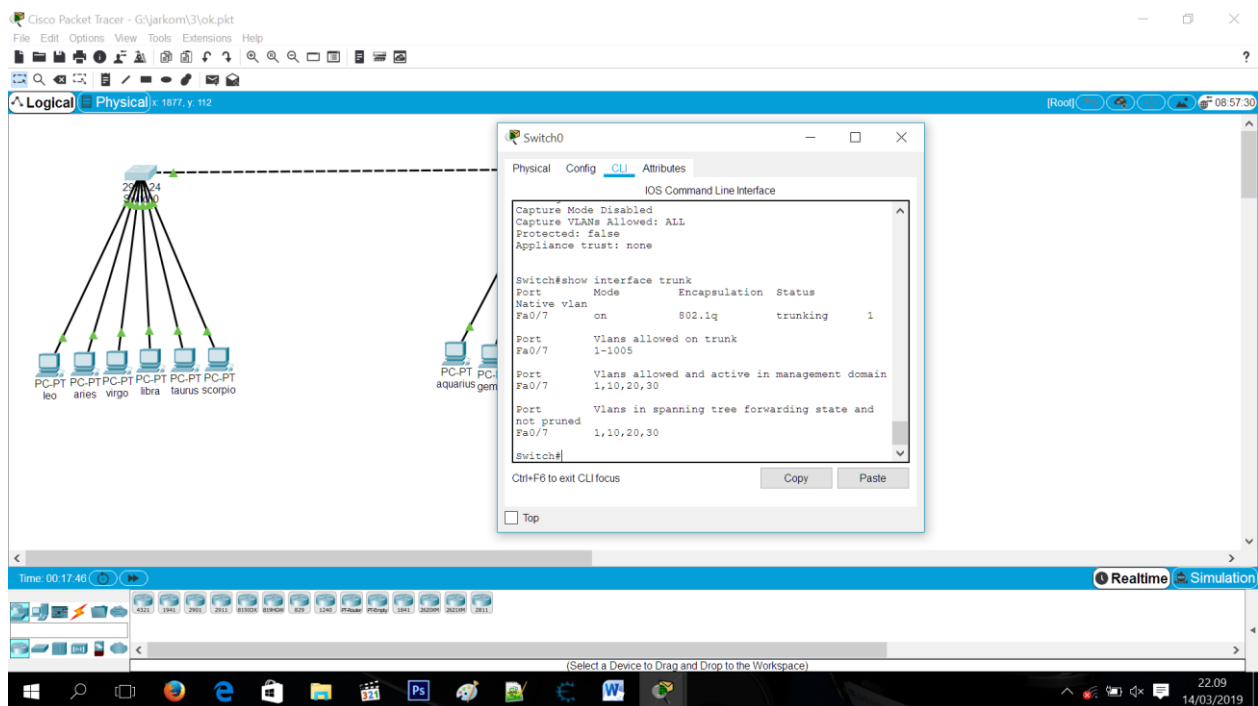
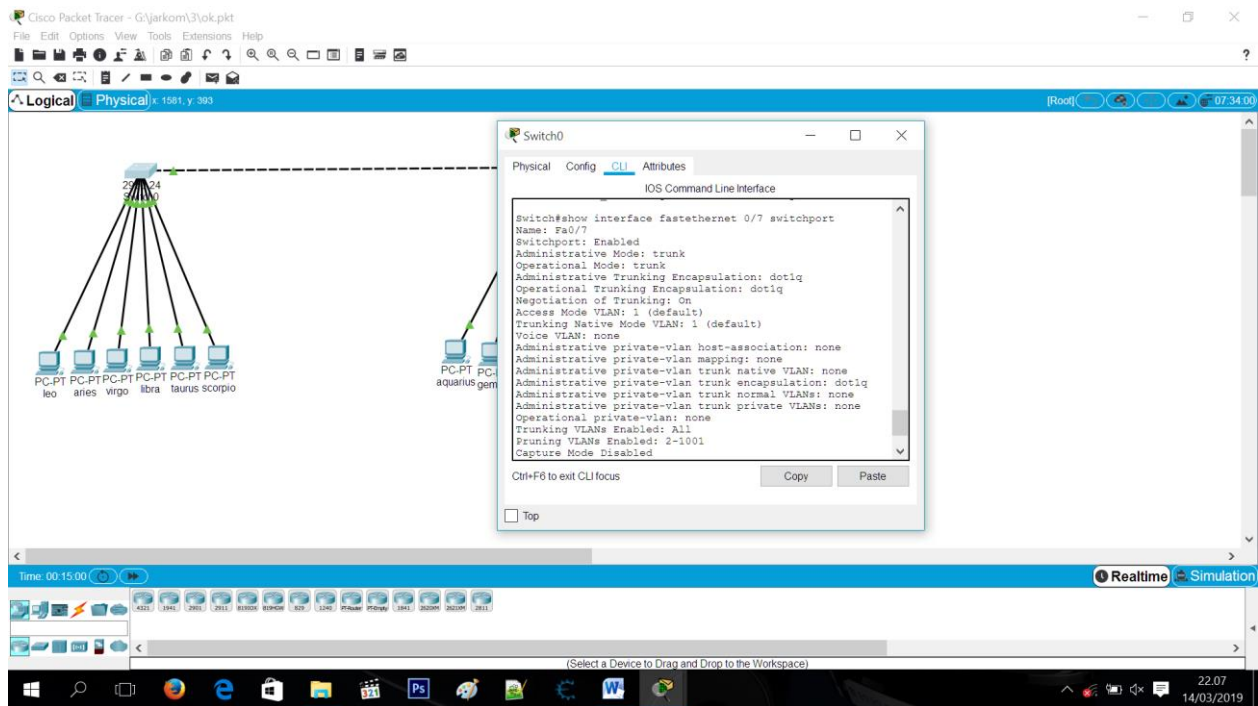
Setiap pc/device yang terhubung dengan port interface yang berada di VLAN 10 maka pc/device tersebut berada di VLAN 10, begitu juga dengan VLAN 20 dan VLAN 30

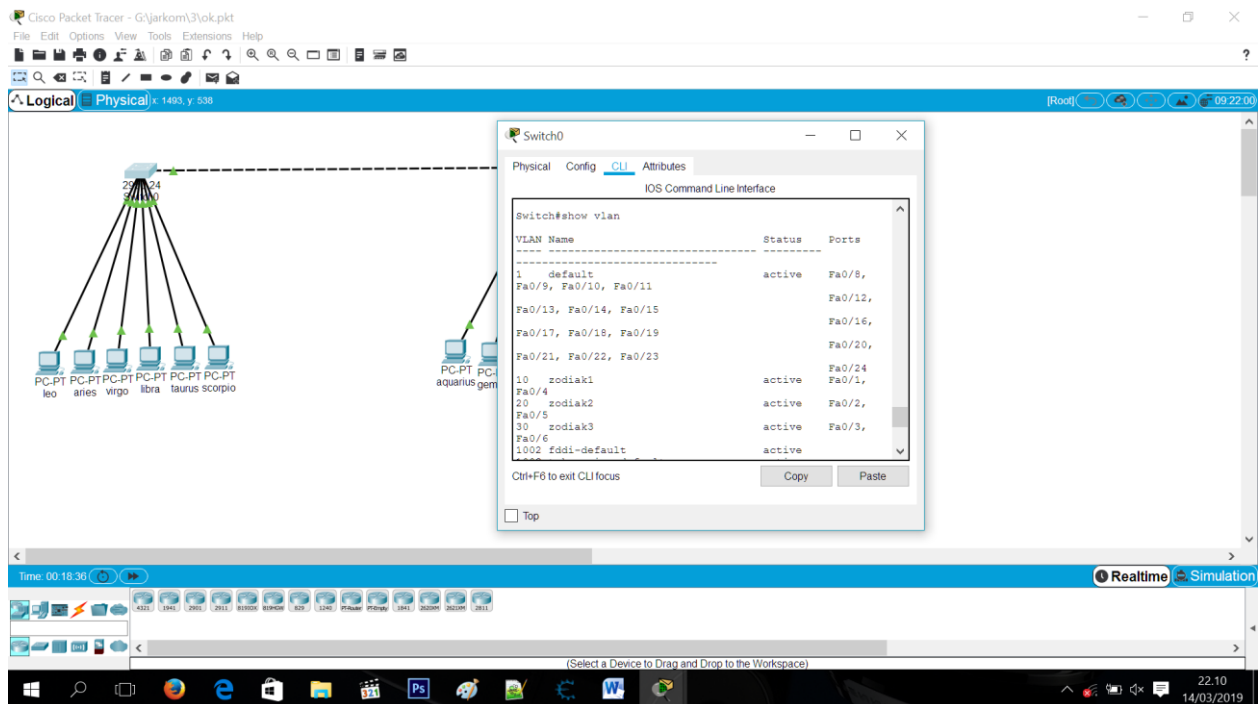
## **No.2**

### **Langkah 1-7**





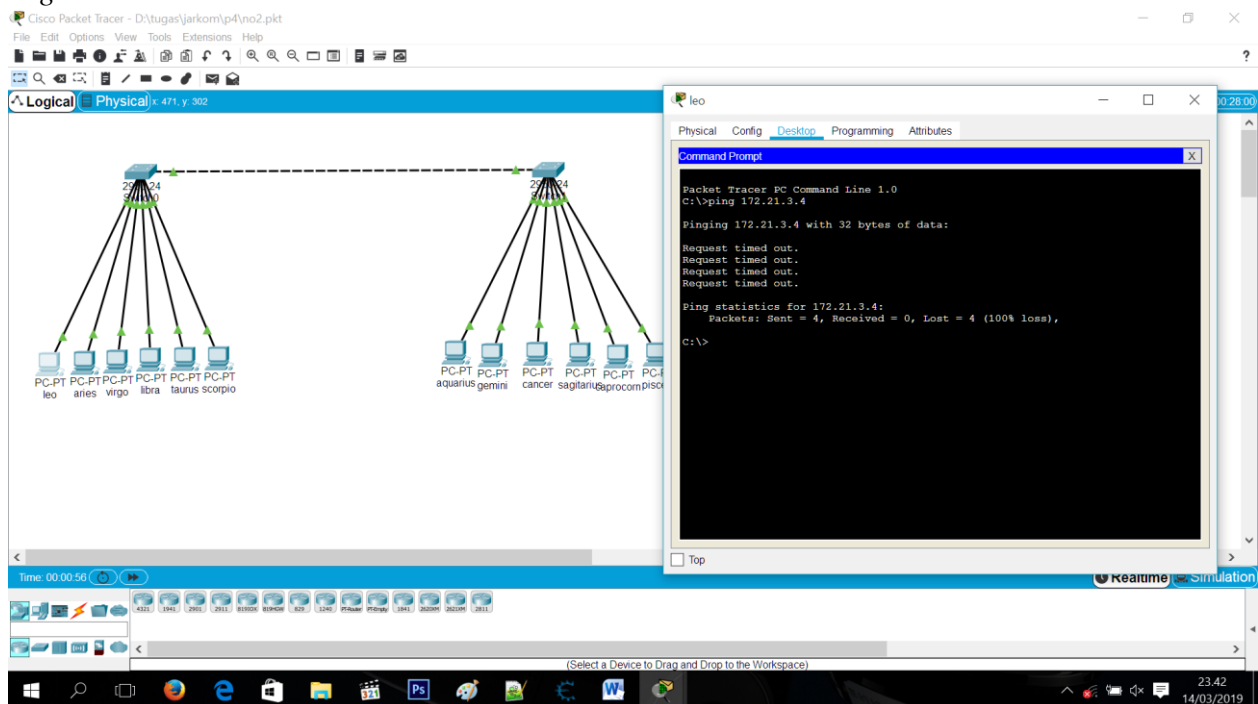




### Tugas 7A:

Dengan konfigurasi trunk dapat menghubungkan switch antar switch dengan berisi beberapa VLAN

### Langkah 8

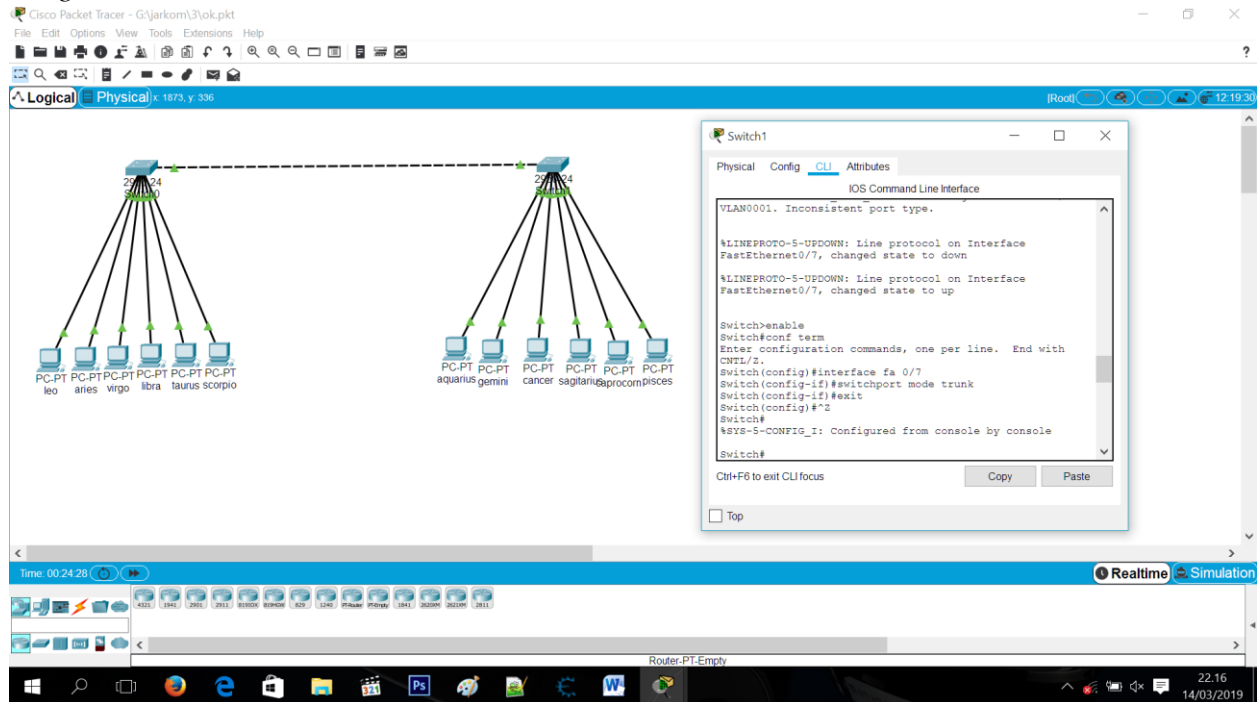


### Tugas 8A:

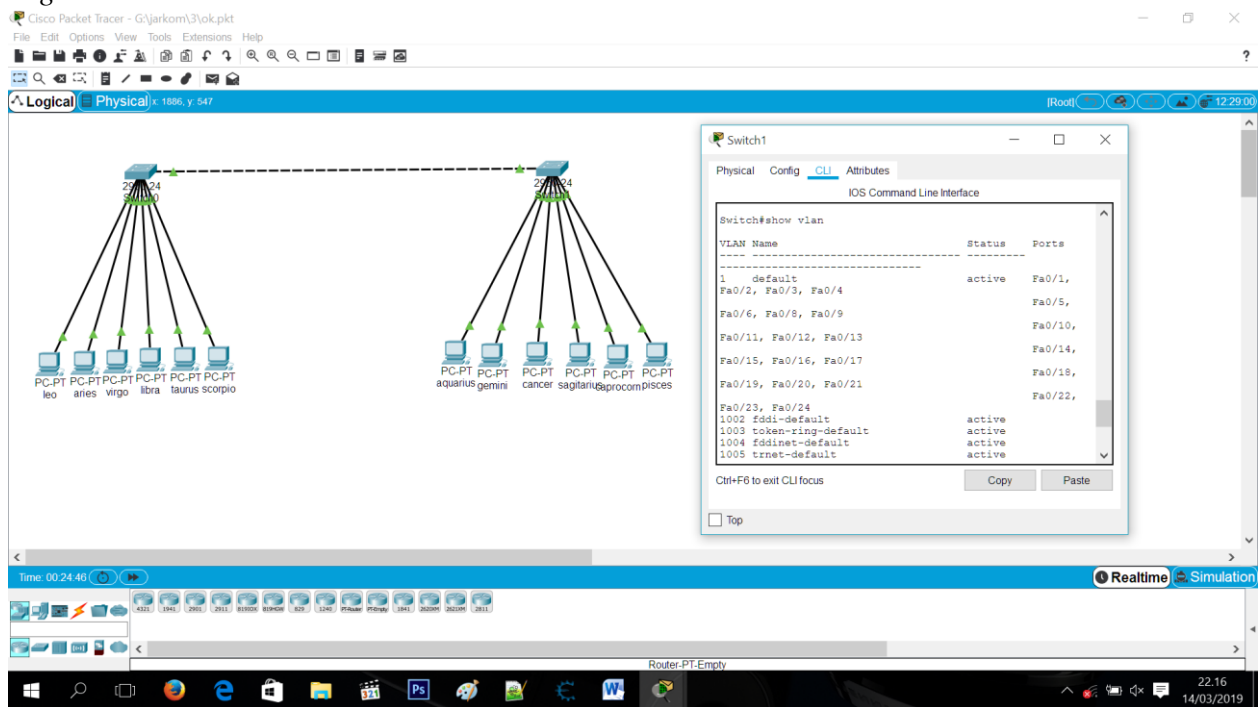
Seharusnya tidak terjadi “replay” karena dalam langkah 1-8 tersebut PC Leo dan PC Pisces sudah berbeda alamat IP-nya dan Kelompok VLAN-nya sehingga menjadikan “Request timed out”



## Langkah 9



## Langkah 10

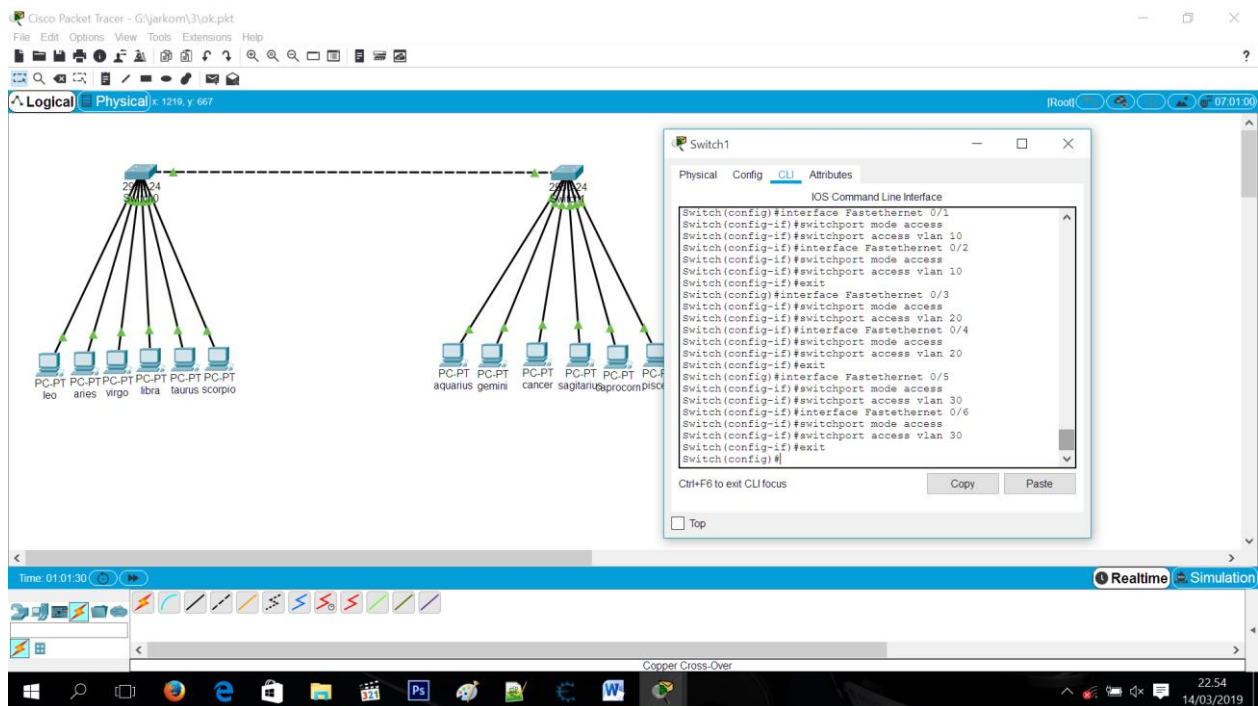
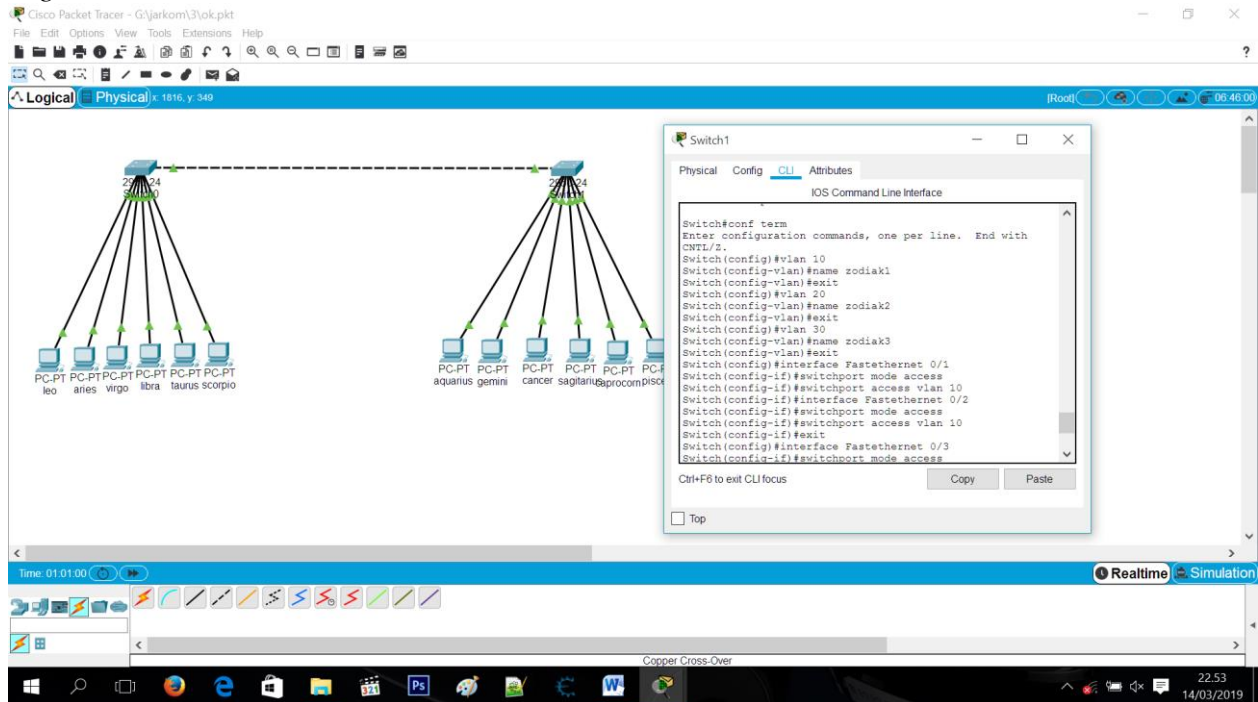


### Tugas 10A:

Port Trunk masih mengizinkan semua pc/device dapat melaluinya karena pc/device belum dibatasi oleh sebuah VLAN



## Langkah 11-12



Cisco Packet Tracer - G:\jarkom\3\ok.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 1632, y 630

leo

Physical Config Desktop Programming Attributes

Command Prompt

```
Request timed out.
Ping statistics for 172.21.1.2:
  Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 172.21.1.2
Pinging 172.21.1.2 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.1.2:
  Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
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
C:\>
```

Time: 01:08:06

Realtime Simulation

Copper Cross-Over

23:00 14/03/2019

Cisco Packet Tracer - G:\jarkom\3\ok.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 1632, y 630

leo

Physical Config Desktop Programming Attributes

Command Prompt

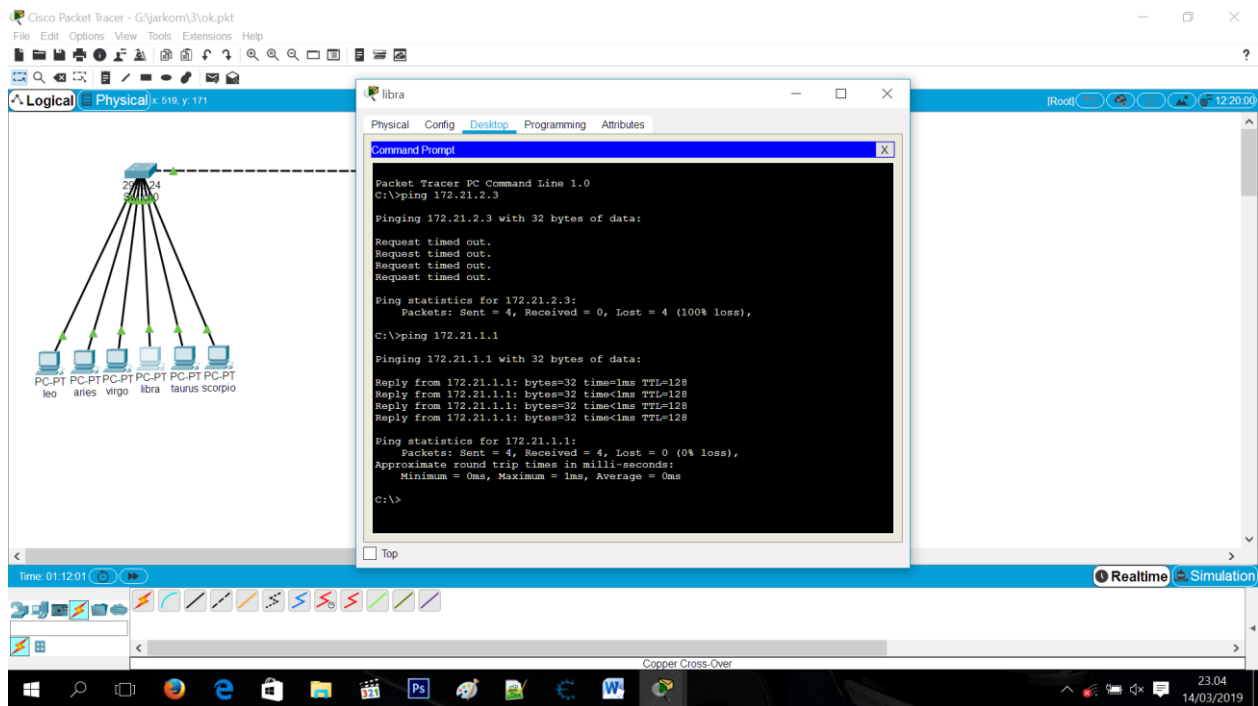
```
Request timed out.
Ping statistics for 172.21.1.2:
  Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>ping 172.21.1.3
Pinging 172.21.1.3 with 32 bytes of data:
Reply from 172.21.1.3: bytes=32 time=1ms TTL=128
Reply from 172.21.1.3: bytes=32 time<1ms TTL=128
Reply from 172.21.1.3: bytes=32 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
C:\>ping 172.21.3.4
Pinging 172.21.3.4 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 172.21.3.4:
  Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```

Time: 01:10:02

Realtime Simulation

Copper Cross-Over

23:02 14/03/2019



### Tugas 12A:

PC/Device yang beralamat IP dan Kelompok VLAN yang sama menghasilkan “Reply”  
Sedangkan PC/Device yang beralamat IP dan Kelompok VLAN yang berbeda menghasilkan “Request timed out”