

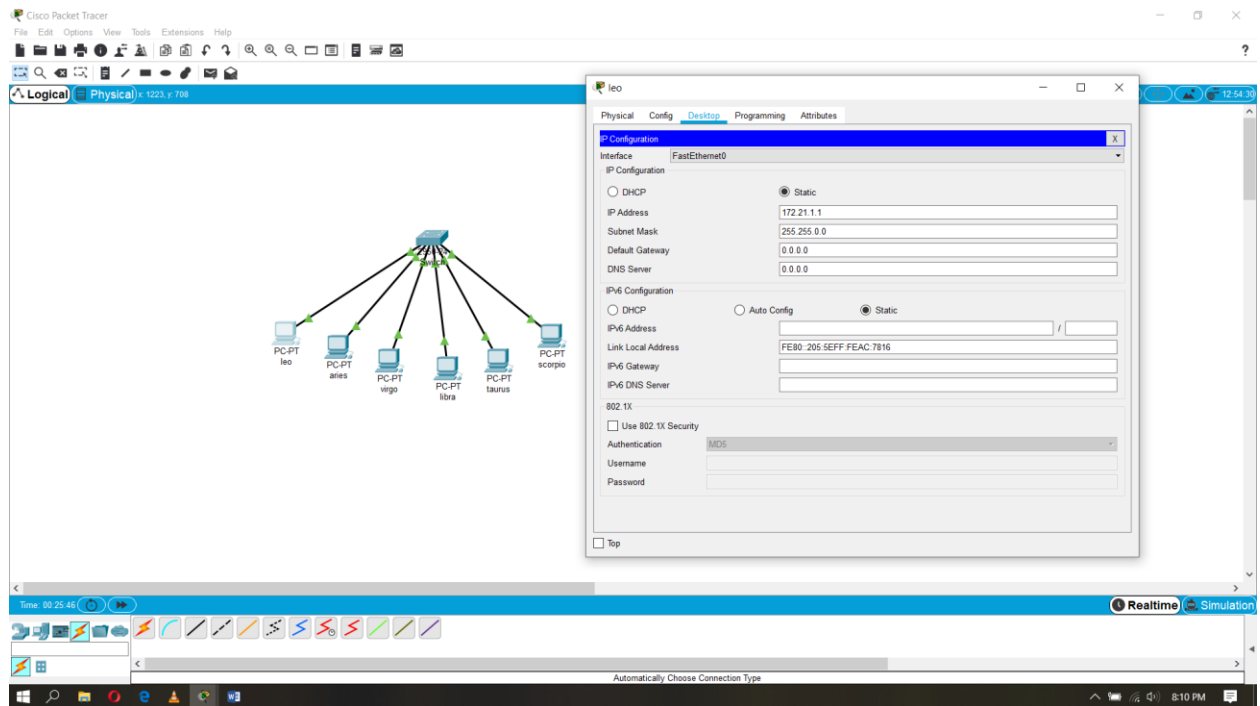
Nama : Ibnul Faim Wakhidiaz

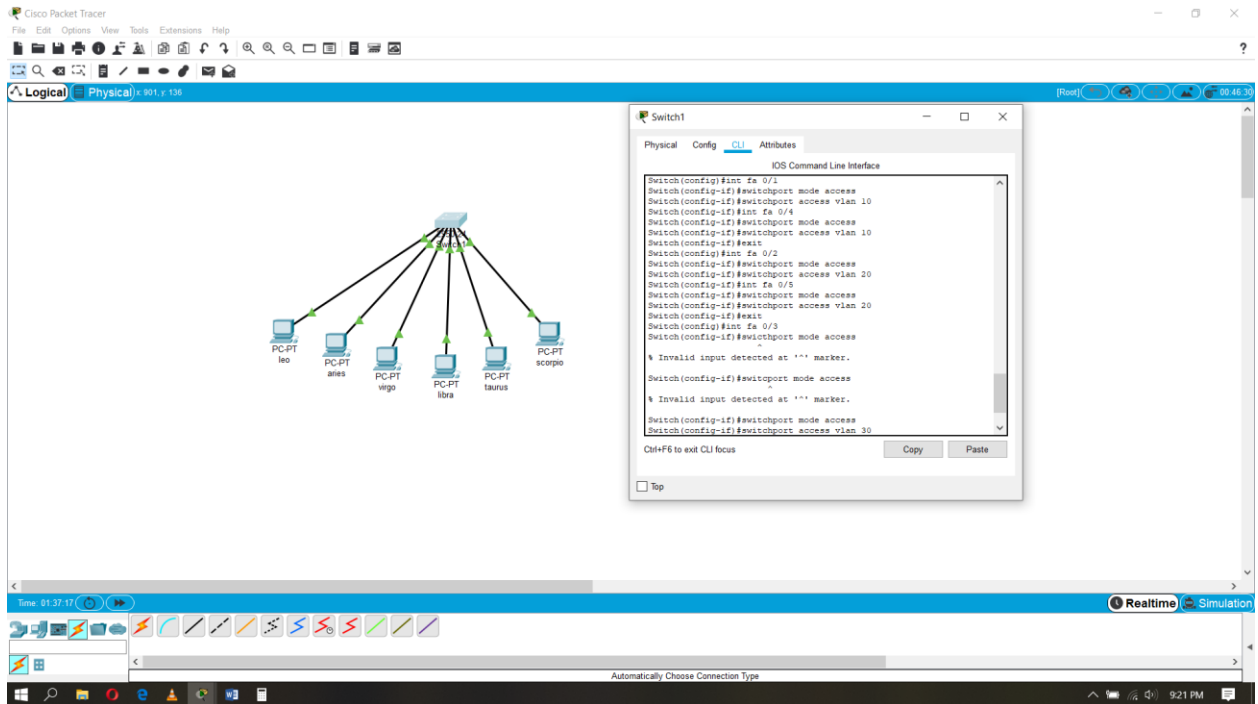
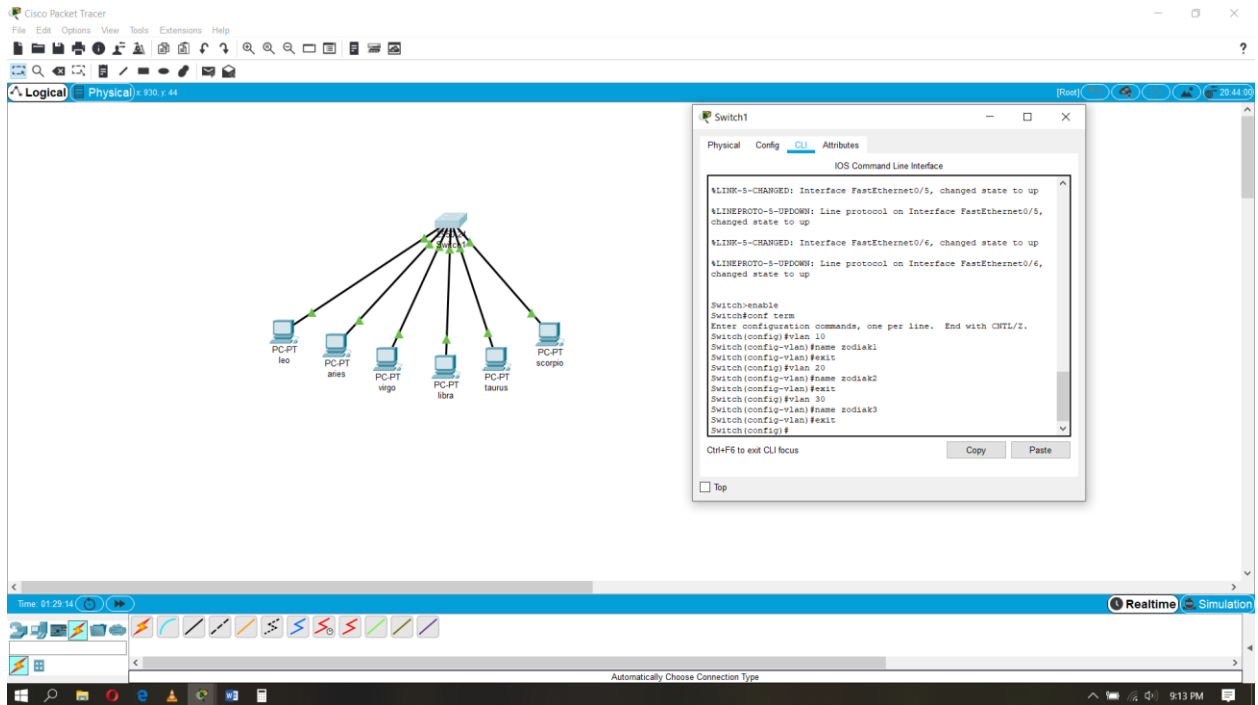
Kelas : B

Nim : L200180030

Modul 4

Kegiatan 1





Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 552, y 599 [Row] 01:36:30

Switch1

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#
Switch#show vlan brief
```

VLAN Name	Status	Ports
1 default	active	Fa0/7, Fa0/8, Fa0/9, Fa0/10, Fa0/13, Fa0/14, Fa0/17, Fa0/18, Fa0/21, Fa0/22
10 zodiak1	active	Fa0/23, Fa0/24
20 zodiak2	active	Fa0/1, Fa0/4
30 zodiak3	active	Fa0/2, Fa0/5
1002 fssd1-default	active	Fa0/3, Fa0/6
1003 token-ring-default	active	
1004 fdslinet-default	active	
1005 trinet-default	active	

Ctrl+F6 to exit CLI focus

Copy Paste

Time: 01:36:57

Realtime Simulation

Automatically Choose Connection Type

9:23 PM

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 552, y 592 [Row] 02:37:00

Switch1

Physical Config CLI Attributes

IOS Command Line Interface

```
Switch#
Switch#show vlan id 10
```

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

Ctrl+F6 to exit CLI focus

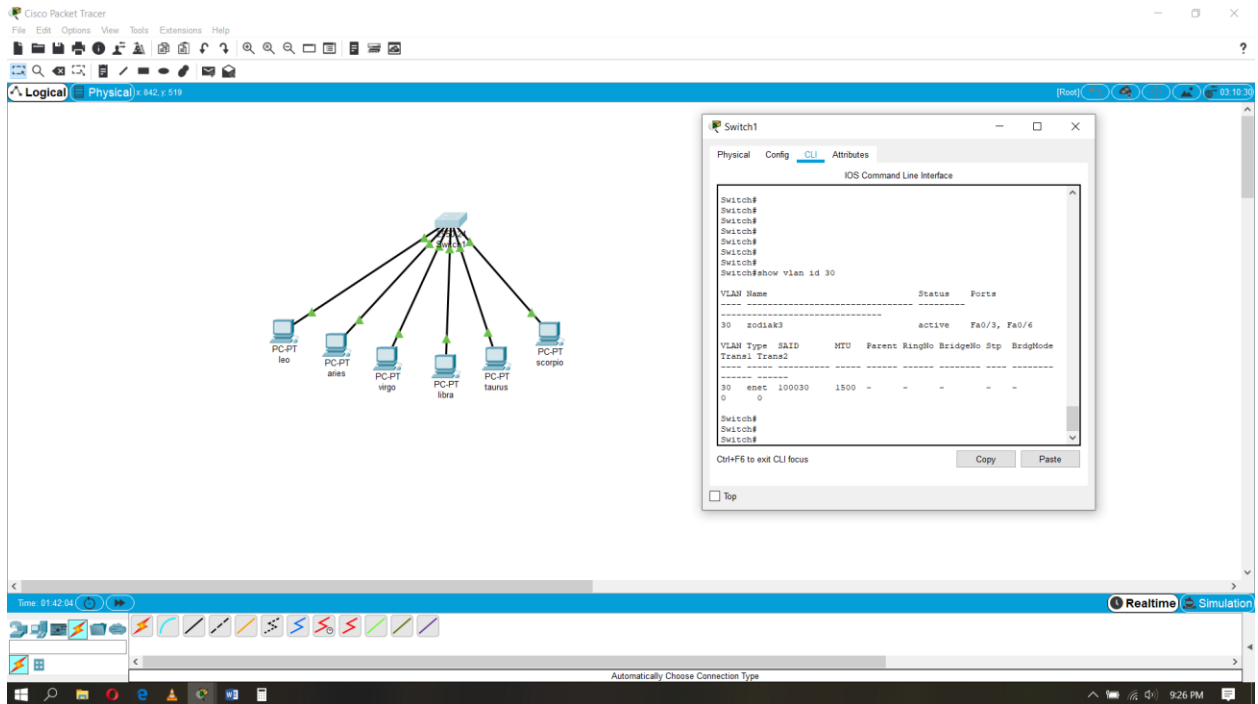
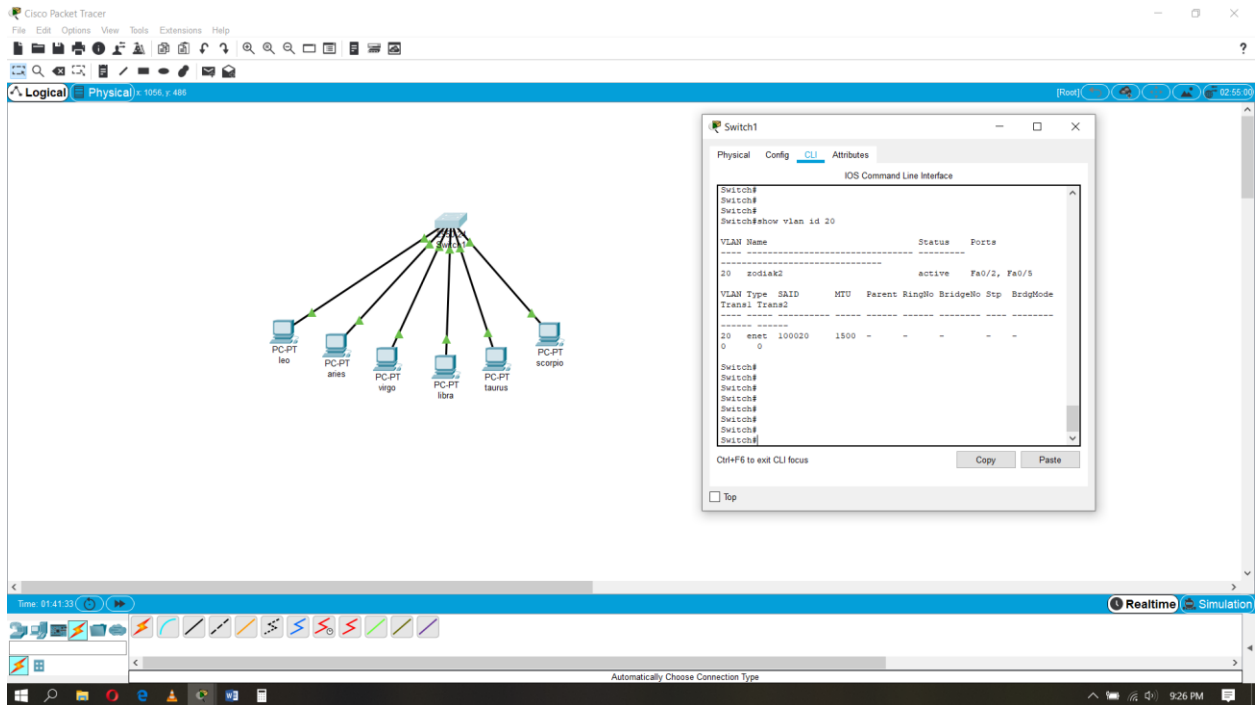
Copy Paste

Time: 01:40:57

Realtime Simulation

Automatically Choose Connection Type

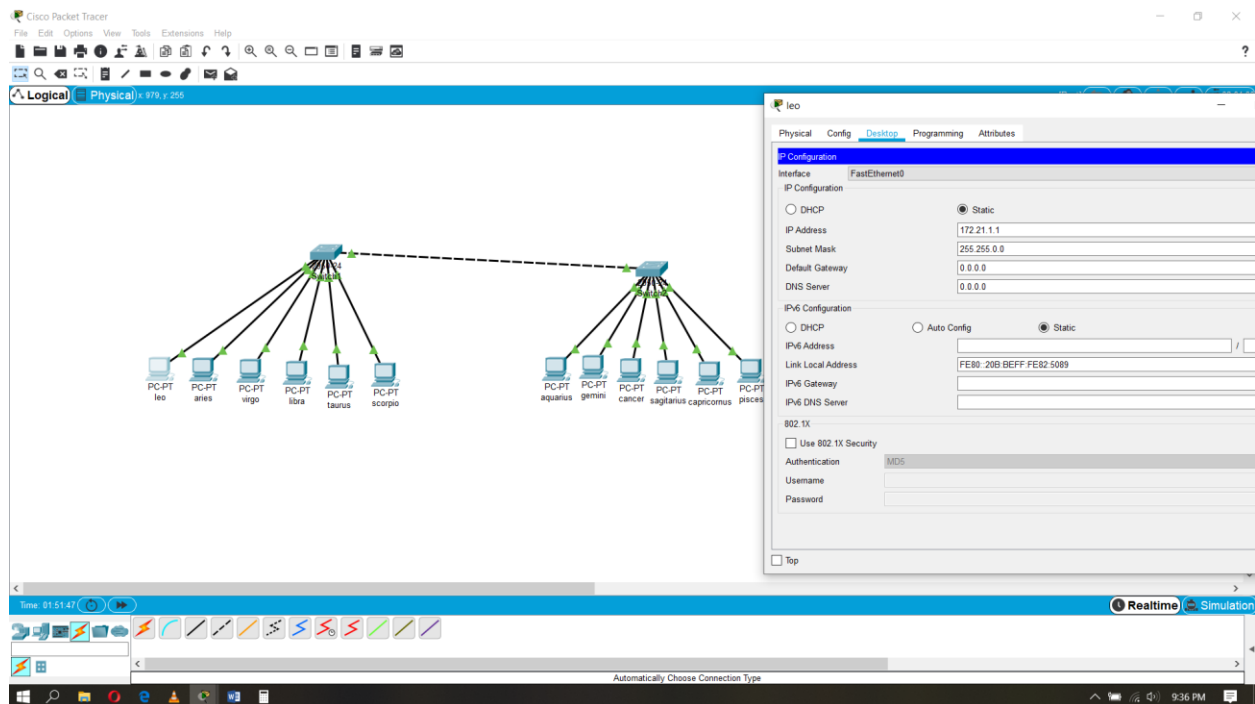
9:25 PM



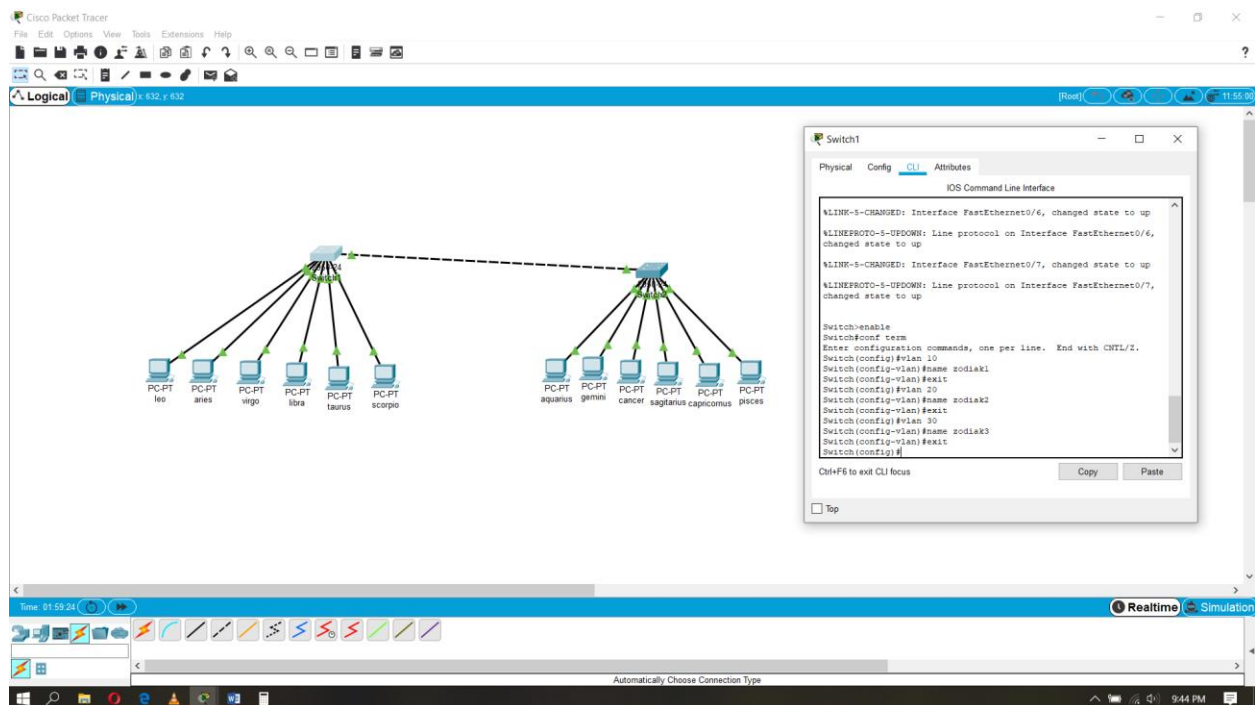
No	variabel	nilai		
1	Nomor vlan	10	20	30
2	Nama vlan	Zodiak1	Zodiak2	Zodiak3
3	Port	0/1, 0/4	0/2, 0/5	0/3, 0/6
4	Status	Active	Active	Active

Kegiatan 2

1. rancangan jaringan

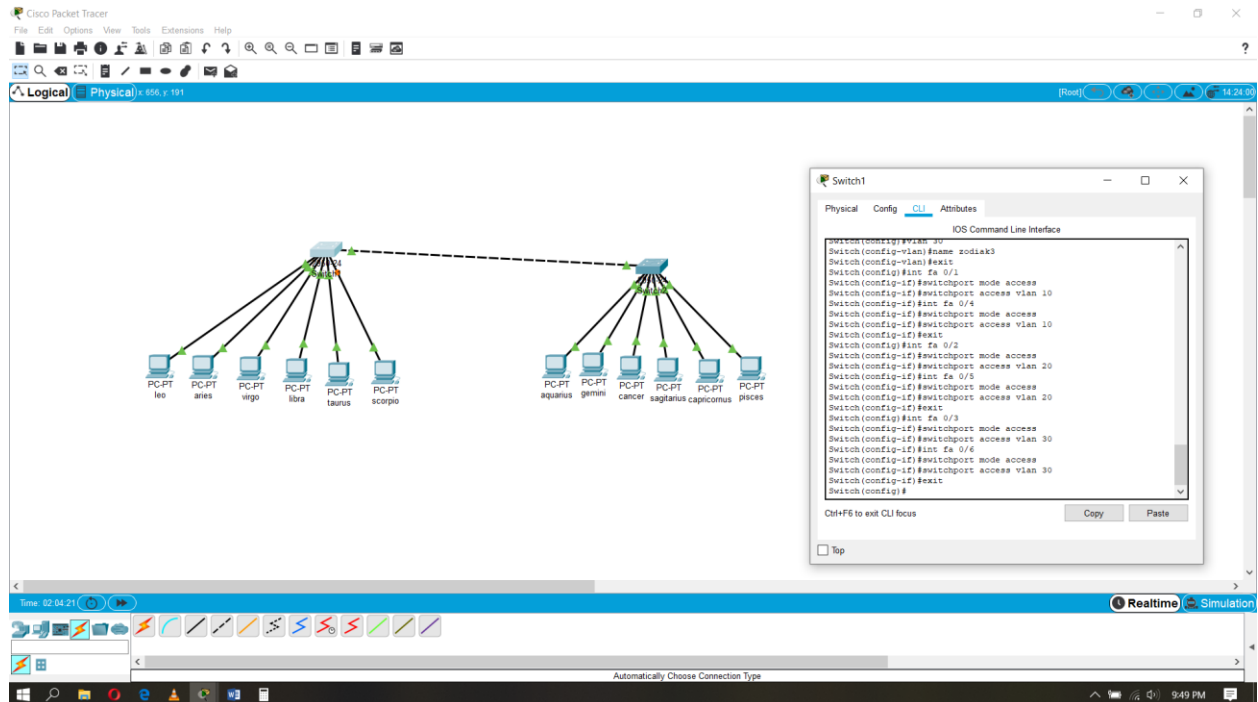


2. membuat vlan

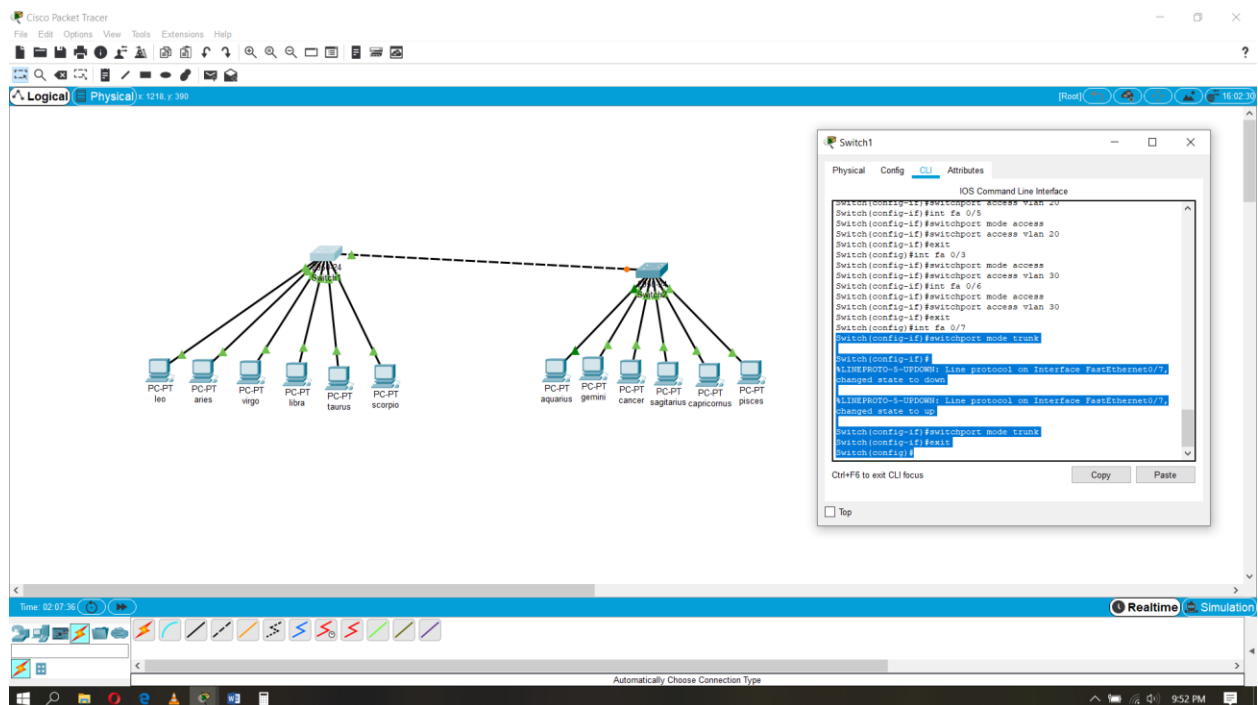


3. Konfigurasi port untuk masing-masing pc ke vlan

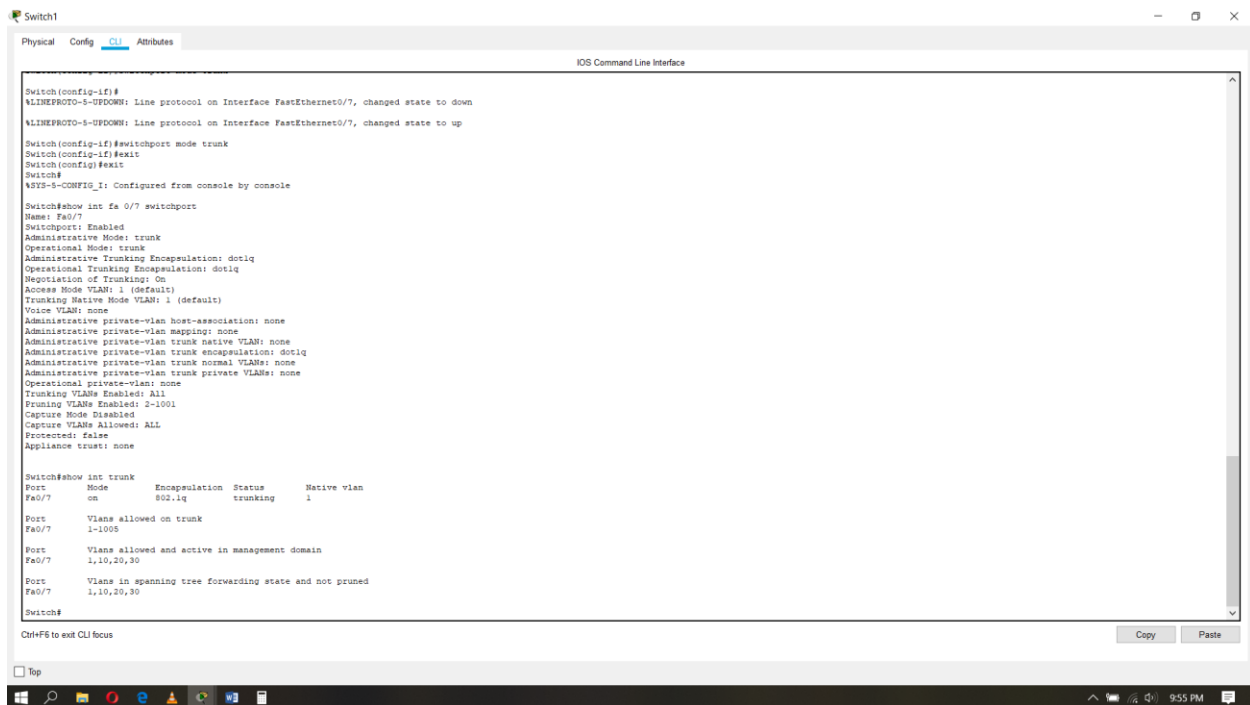
- untuk zodiak1 = leo (port 0/1) dan aries (port 0/4)
- untuk zodiak2 = virgo (port 0/2) dan libra (port 0/5)
- untuk zodiak3 = taurus (port 0/3) dan scorpio (port 0/6)



4. Melakukan konfigurasi trunk pada port 0/7



5. hasil



The screenshot shows a network switch configuration window titled "Switch1" with tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the IOS Command Line Interface. The configuration shows the following commands and their outputs:

```
Switch(config-if)#
$LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to down
$LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up

Switch(config-if)#switchport mode trunk
Switch(config-if)#exit
Switch(config)#exit
Switch#
$SYS-9-CONF20_1: Configured from console by console

Switch#show int fa 0/7 switchport
Name: Fa0/7
Switchport: Enabled
Administrative Mode: trunk
Operational Mode: trunk
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: dot1q
Negotiation of Trunking: On
Access Mode VLAN: 1 (default)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: All
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false
Appliance trust: none

Switch#show int trunk
Port      Mode      Encapsulation  Status      Native vlan
Fa0/7     on        802.1q         trunking    1

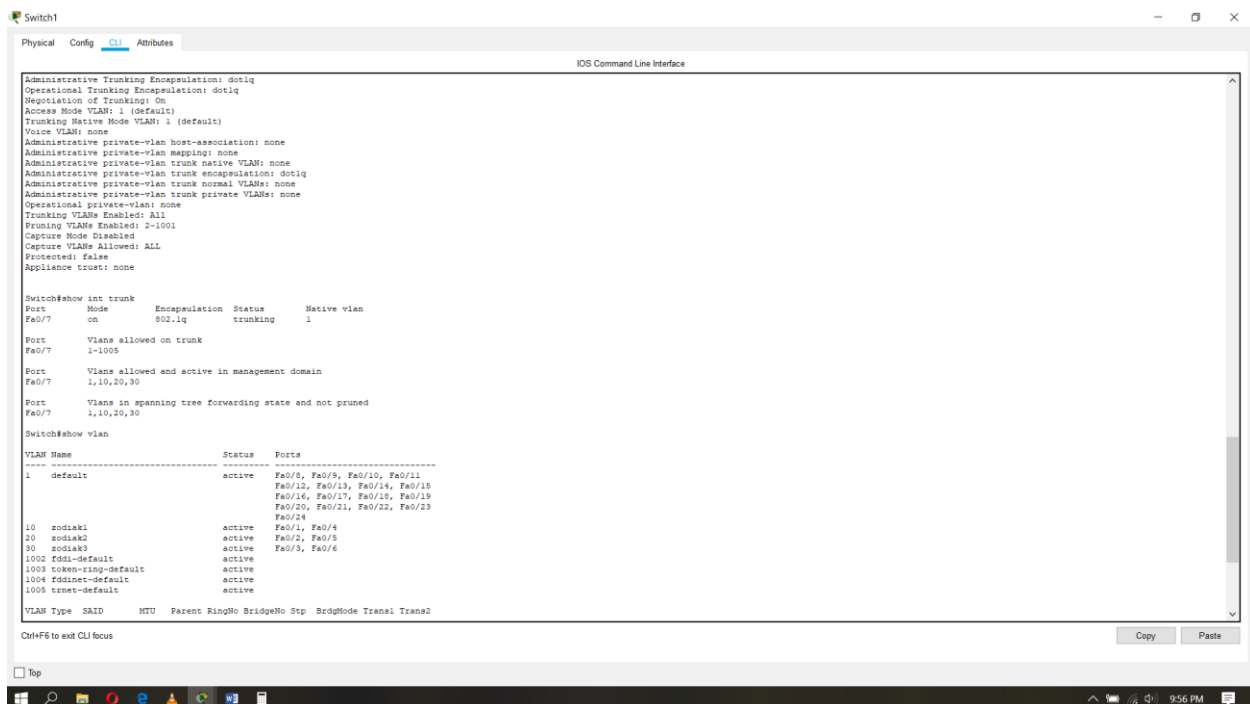
Port      Vlans allowed on trunk
Fa0/7     1-1005

Port      Vlans allowed and active in management domain
Fa0/7     1,10,20,30

Port      Vlans in spanning tree forwarding state and not pruned
Fa0/7     1,10,20,30

Switch#
```

At the bottom of the CLI window, there is a prompt "Ctrl+F6 to exit CLI focus" and buttons for "Copy" and "Paste".



The screenshot shows a network switch configuration window titled "Switch1" with tabs for Physical, Config, CLI, and Attributes. The CLI tab is active, displaying the IOS Command Line Interface. The configuration shows the following commands and their outputs:

```
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: dot1q
Negotiation of Trunking: On
Access Mode VLAN: 1 (default)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: All
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false
Appliance trust: none

Switch#show int trunk
Port      Mode      Encapsulation  Status      Native vlan
Fa0/7     on        802.1q         trunking    1

Port      Vlans allowed on trunk
Fa0/7     1-1005

Port      Vlans allowed and active in management domain
Fa0/7     1,10,20,30

Port      Vlans in spanning tree forwarding state and not pruned
Fa0/7     1,10,20,30

Switch#show vlan
VLAN Name                Status    Ports
-----
1    default                active    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
1002 fddi-default          active
1003 token-ring-default   active
1004 fddinet-default      active
1005 trnet-default         active

VLAN Type  SAID      MTU    Parent RingNo BridgeNo Stp    BridgeMode Transl  Tcna2
-----
1    default  100000000 1500    0      0      0      0      0      0      0
10   zodiak1  100000000 1500    0      0      0      0      0      0      0
20   zodiak2  100000000 1500    0      0      0      0      0      0      0
30   zodiak3  100000000 1500    0      0      0      0      0      0      0
1002 fddi-default  100000000 1500    0      0      0      0      0      0      0
1003 token-ring-default  100000000 1500    0      0      0      0      0      0      0
1004 fddinet-default  100000000 1500    0      0      0      0      0      0      0
1005 trnet-default    100000000 1500    0      0      0      0      0      0      0

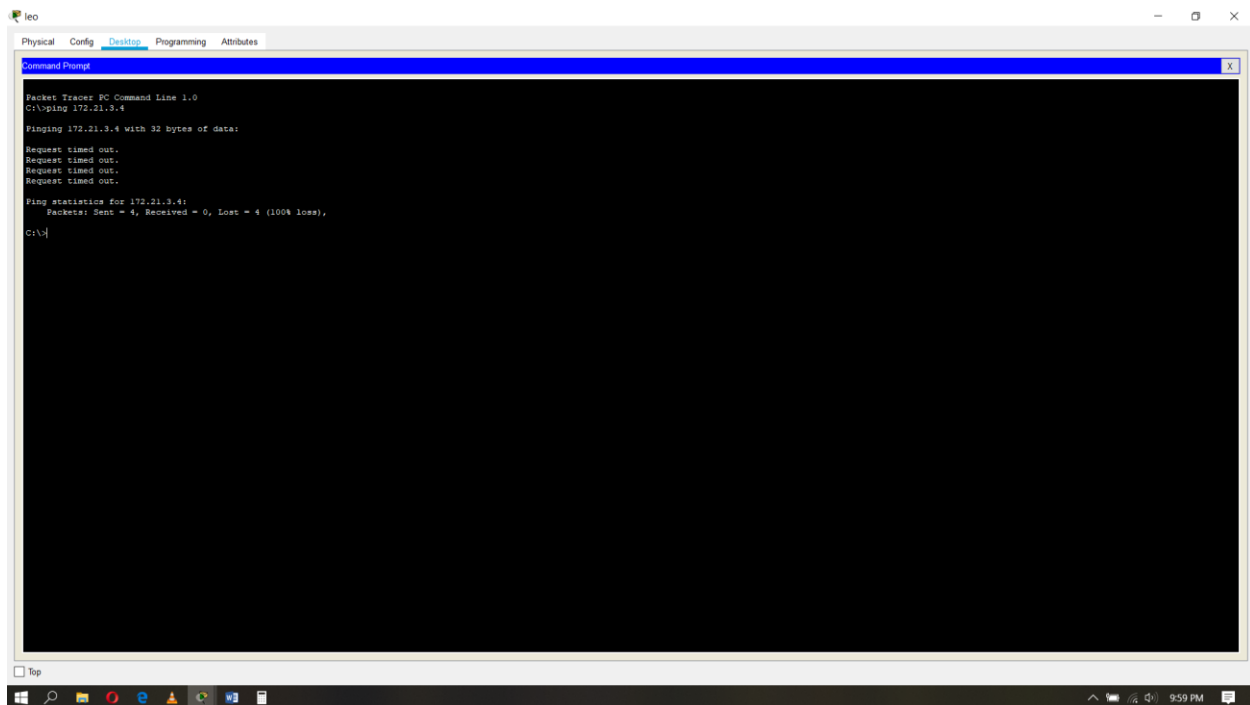
Switch#
```

At the bottom of the CLI window, there is a prompt "Ctrl+F6 to exit CLI focus" and buttons for "Copy" and "Paste".

Tugas 7A:

Untuk port 0/7 pada switch 0 telah disetting untuk trunk dan berhasil sehingga port 0/7 tidak tersedia untuk vlan.

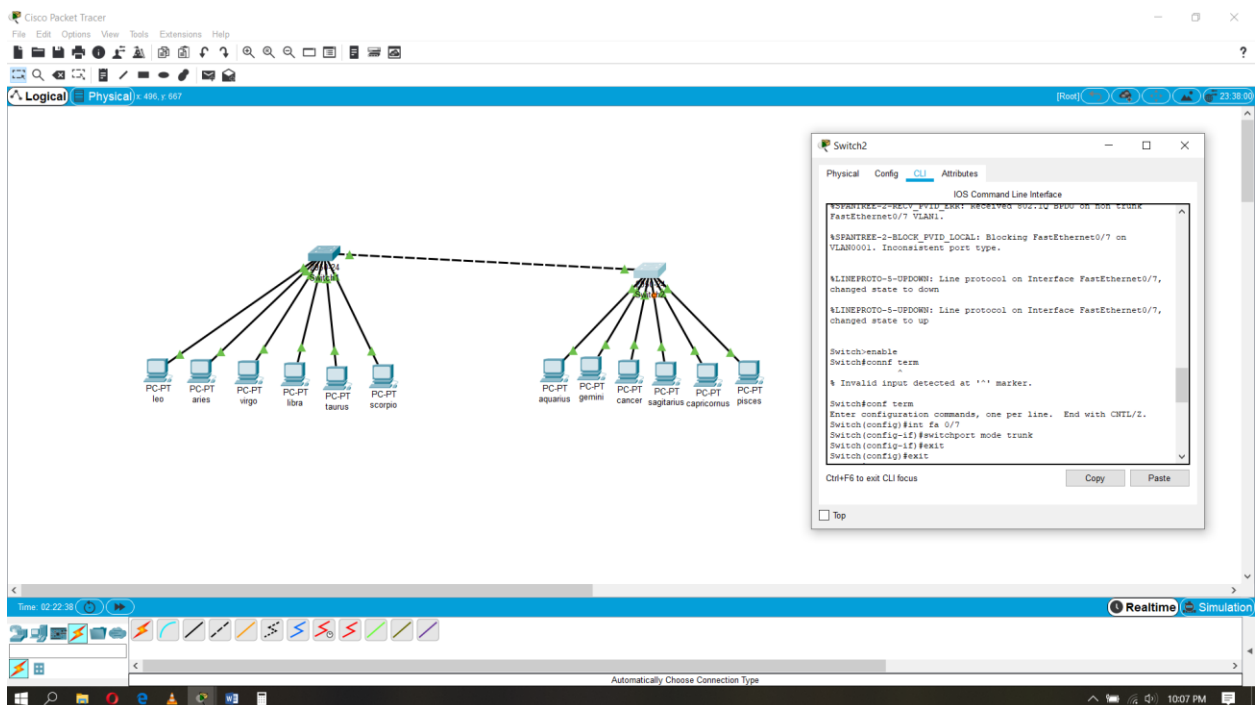
6. melakukan ping dari pc leo ke pc pisces

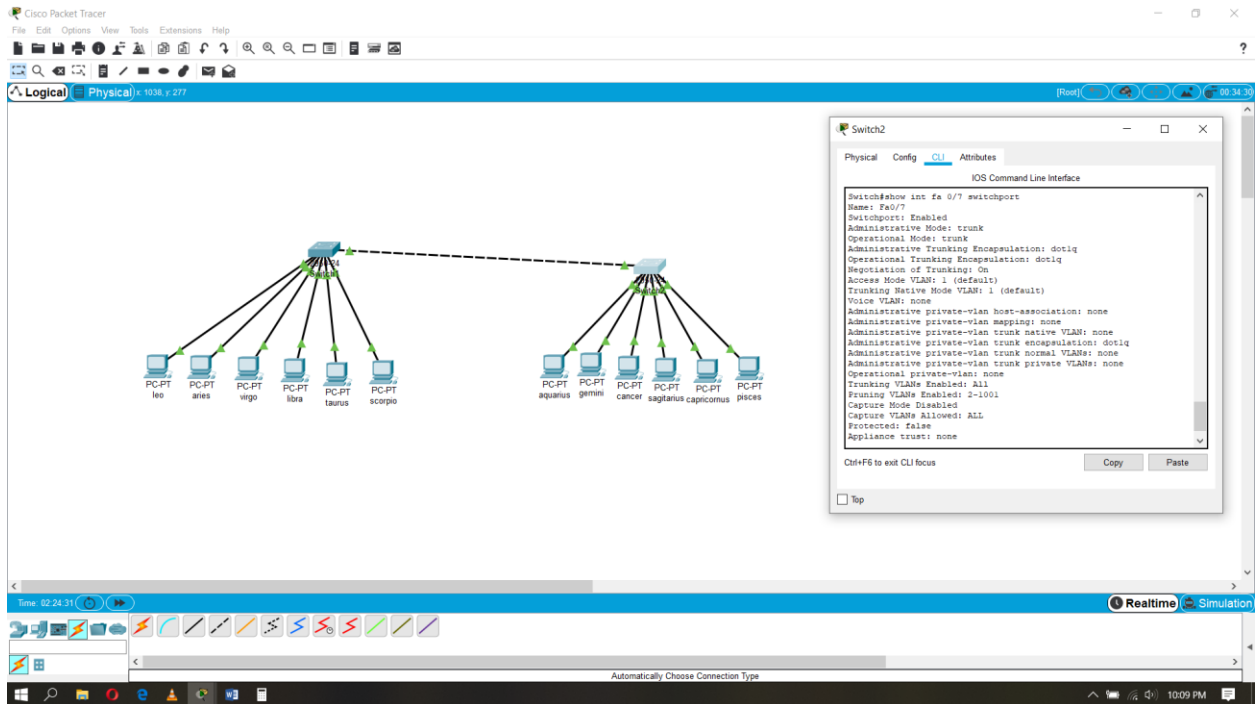
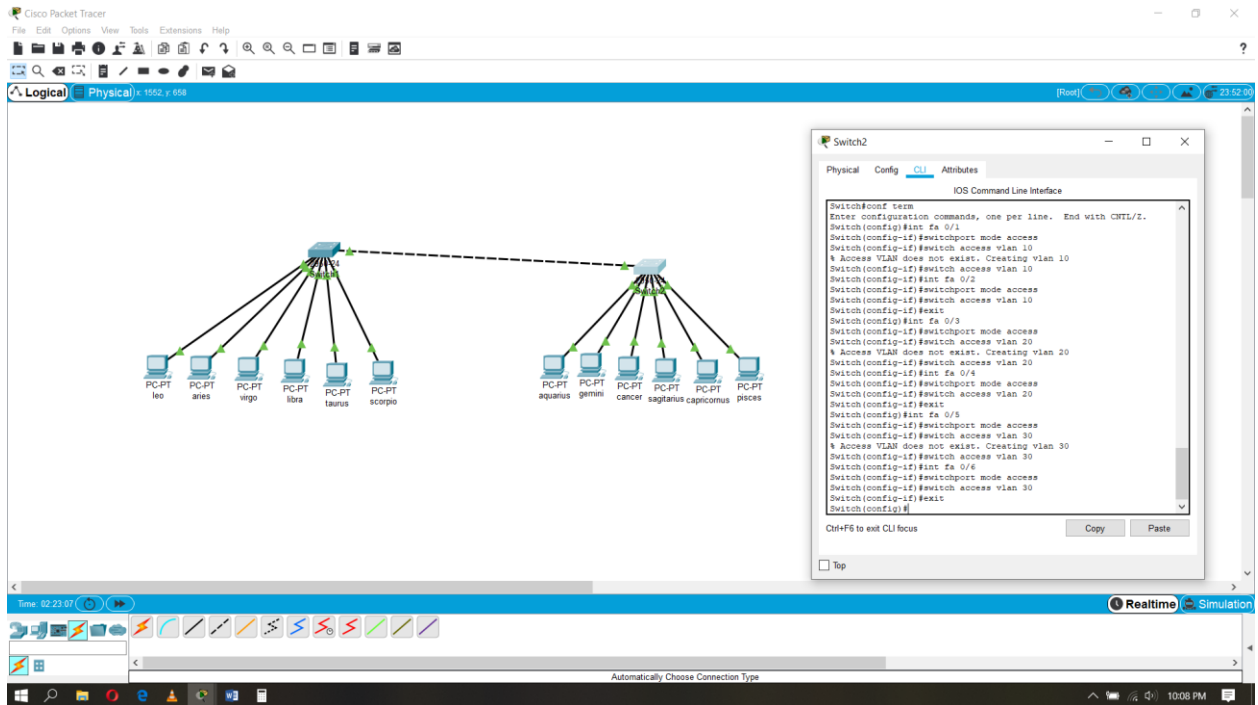


Tugas 8A:

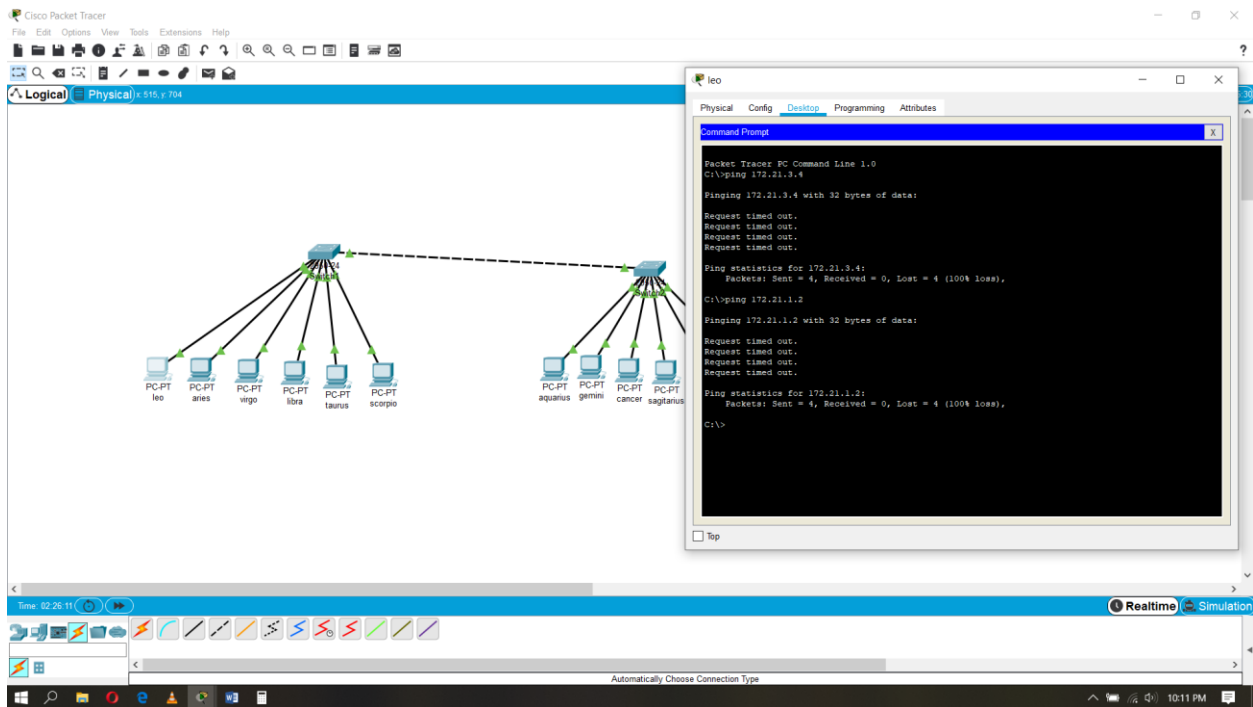
Hasilnya adalah RTO karena berada pada jaringan yang berbeda dan pada switch 1 belum disetting trunk.

7. Melakukan konfigurasi trunk pada switch 2

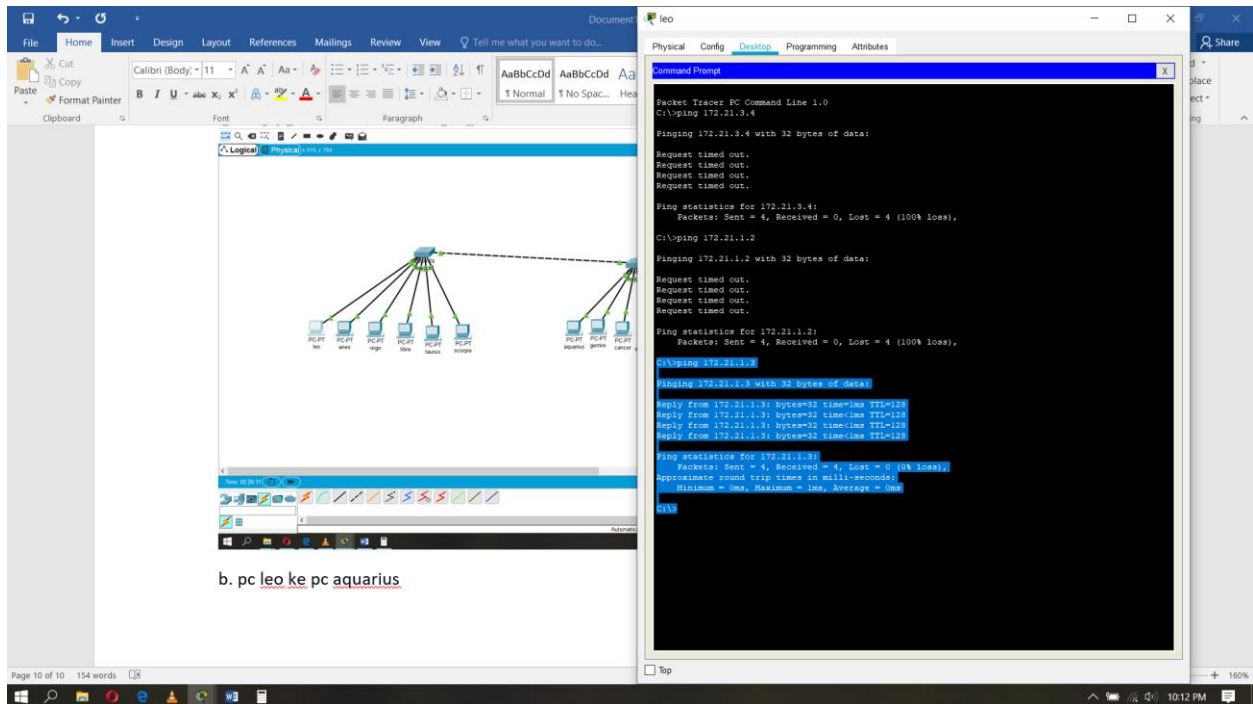




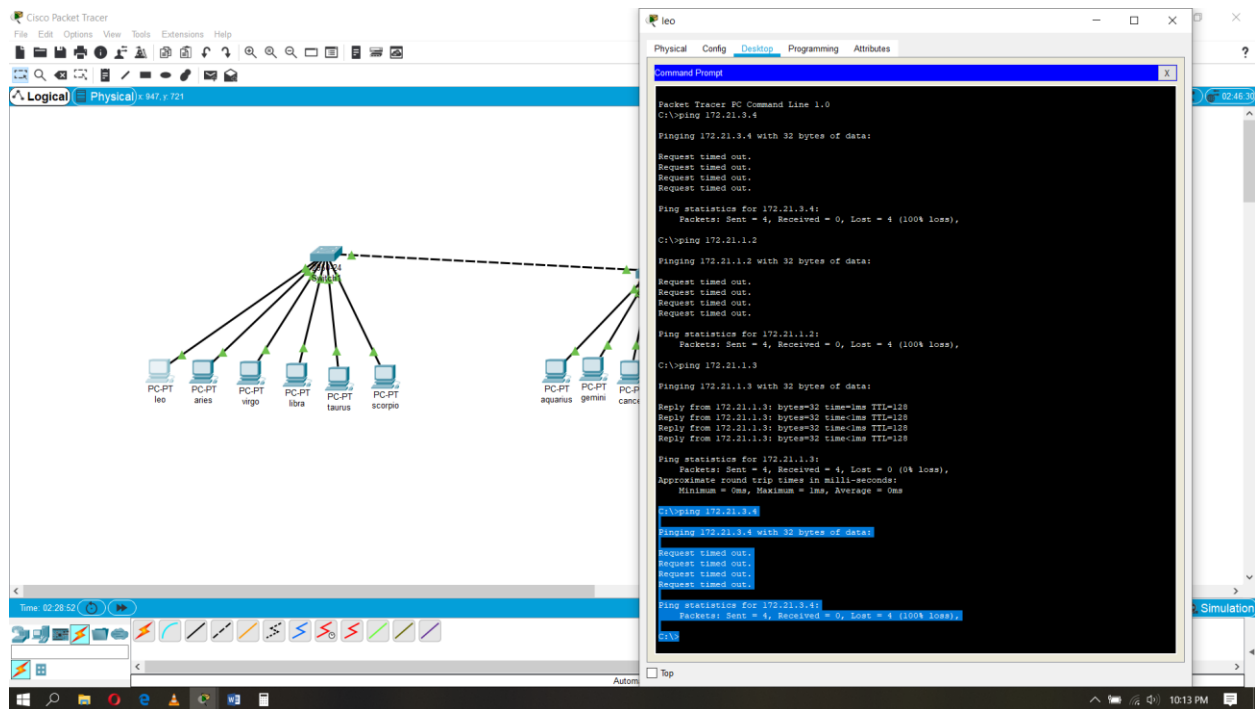
9. melakukan ping dari
 - a. pc leo ke pc aries



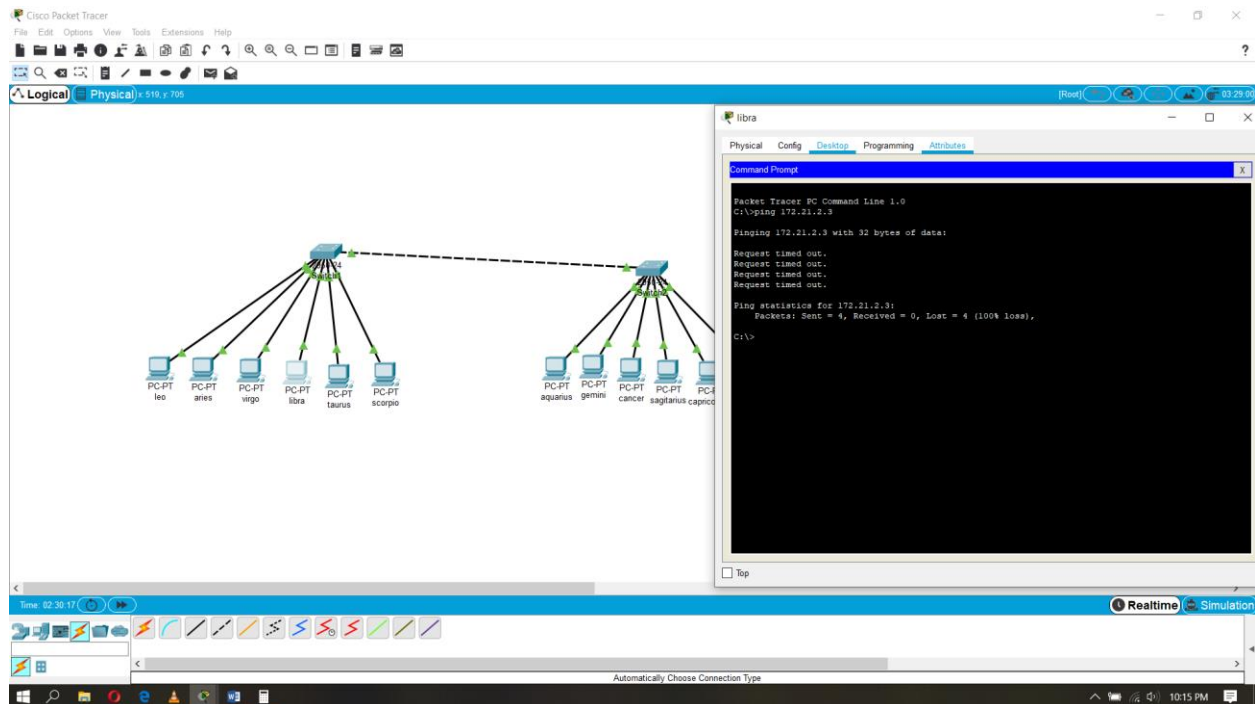
b. pc leo ke pc aquarius



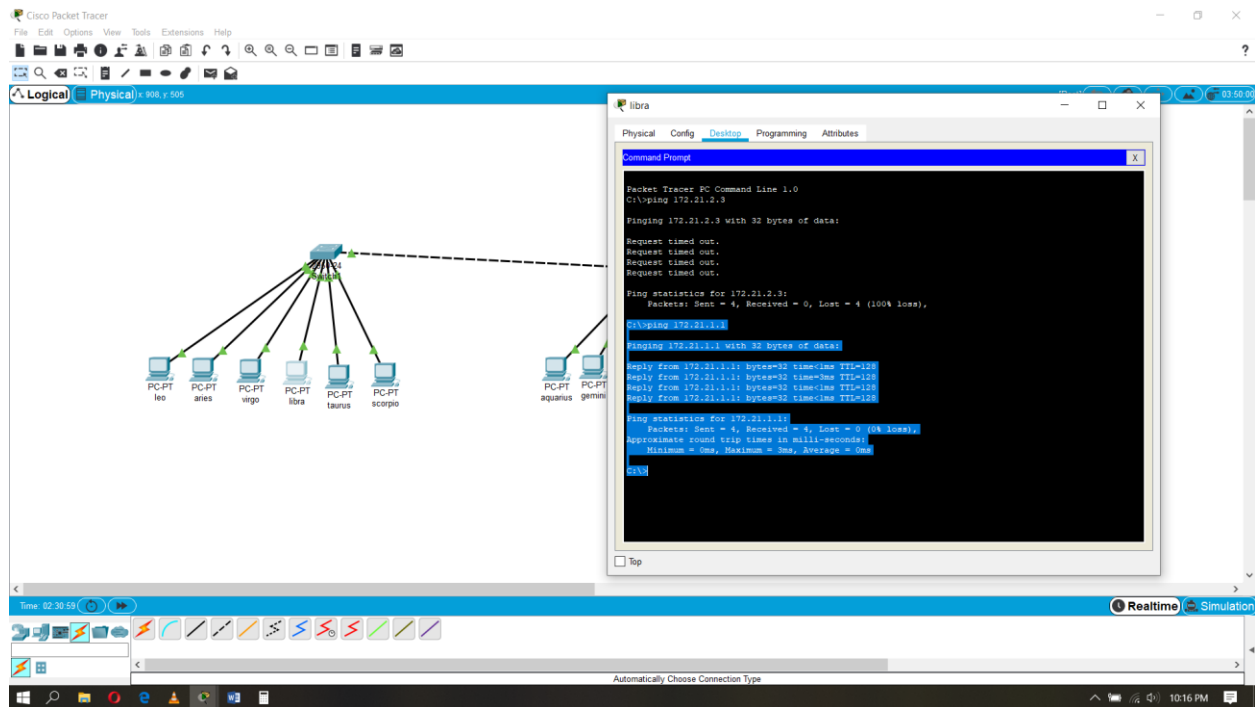
c. Pc leo ke pc pisces



d. Pc libra ke pc cancer



e. Pc libra ke pc leo



Tugas 12A: Dari hasil yang diperoleh bahwa akan mendapatkan hasil reply apabila pc berada pada jaringan dan vlan yang sama. Sedangkan apabila hanya sama dari salah satu vlan atau jaringan maka hasilnya juga akan RTO.