

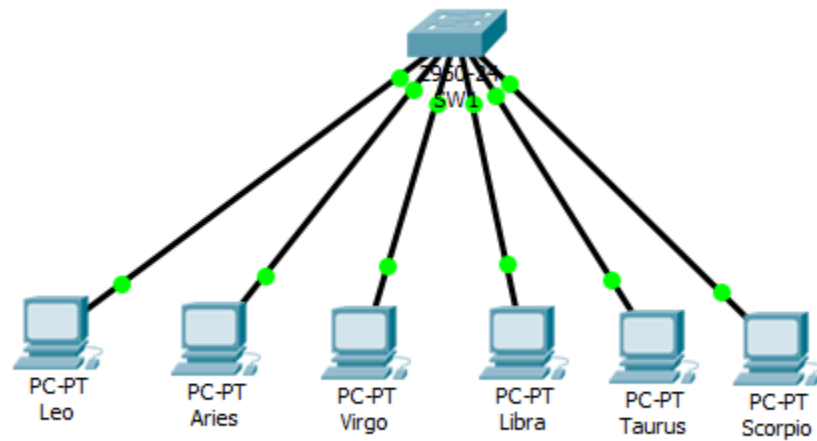
Nama : Tomy Satmoko Aji

Nim : L200180057

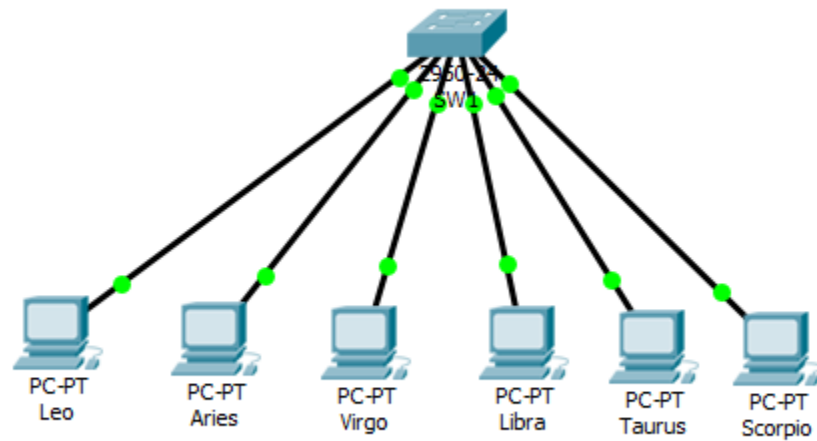
Kelas : B

### Kegiatan Topologi 1

- A. Menggunakan packet tracker buat topologi berikut



- B. Beri nama masing masing perangkat



- C. Konfigurasi masing-masing PC dengan nama dan alamat IP

a. Leo = 172.21.1.1/24

Leo

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.1.1

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::20C:CFFF:FEC9:CCE0

IPv6 Gateway

IPv6 DNS Server

Top

b. Aries = 172.21.1.2/24

Aries

Physical Config Desktop Programming Attributes

IP Configuration

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 /

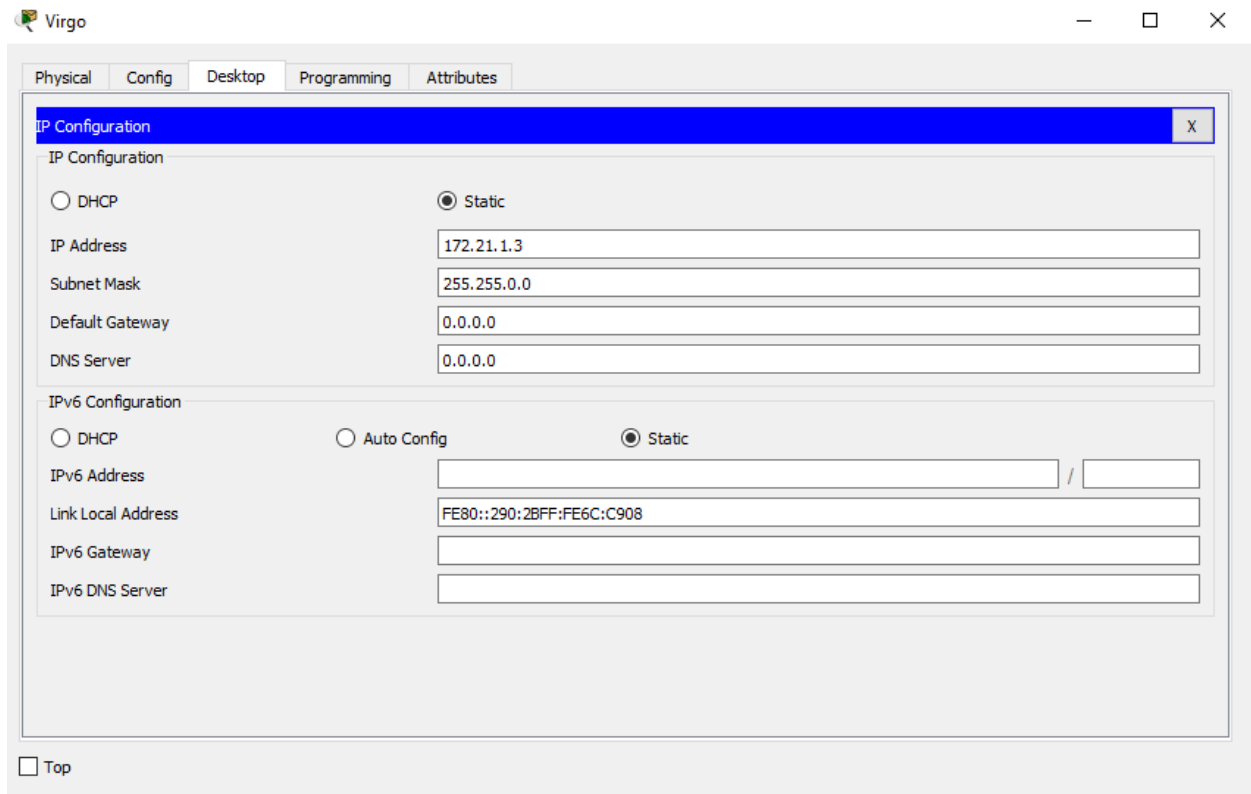
Link Local Address FE80::2E0:F7FF:FEB1:4867

IPv6 Gateway

IPv6 DNS Server

Top

c. Virgo = 172.21.1.3/24



The screenshot shows the 'Virgo' window with the 'Config' tab selected. The 'IP Configuration' section is active, displaying settings for both IPv4 and IPv6. The IPv4 configuration is set to 'Static' with an IP address of 172.21.1.3, a subnet mask of 255.255.0.0, and default gateway and DNS server addresses of 0.0.0.0. The IPv6 configuration is also set to 'Static', with an IPv6 address field, a link local address of FE80::290:2BFF:FE6C:C908, and empty fields for IPv6 gateway and DNS server. A 'Top' button is located at the bottom left of the window.

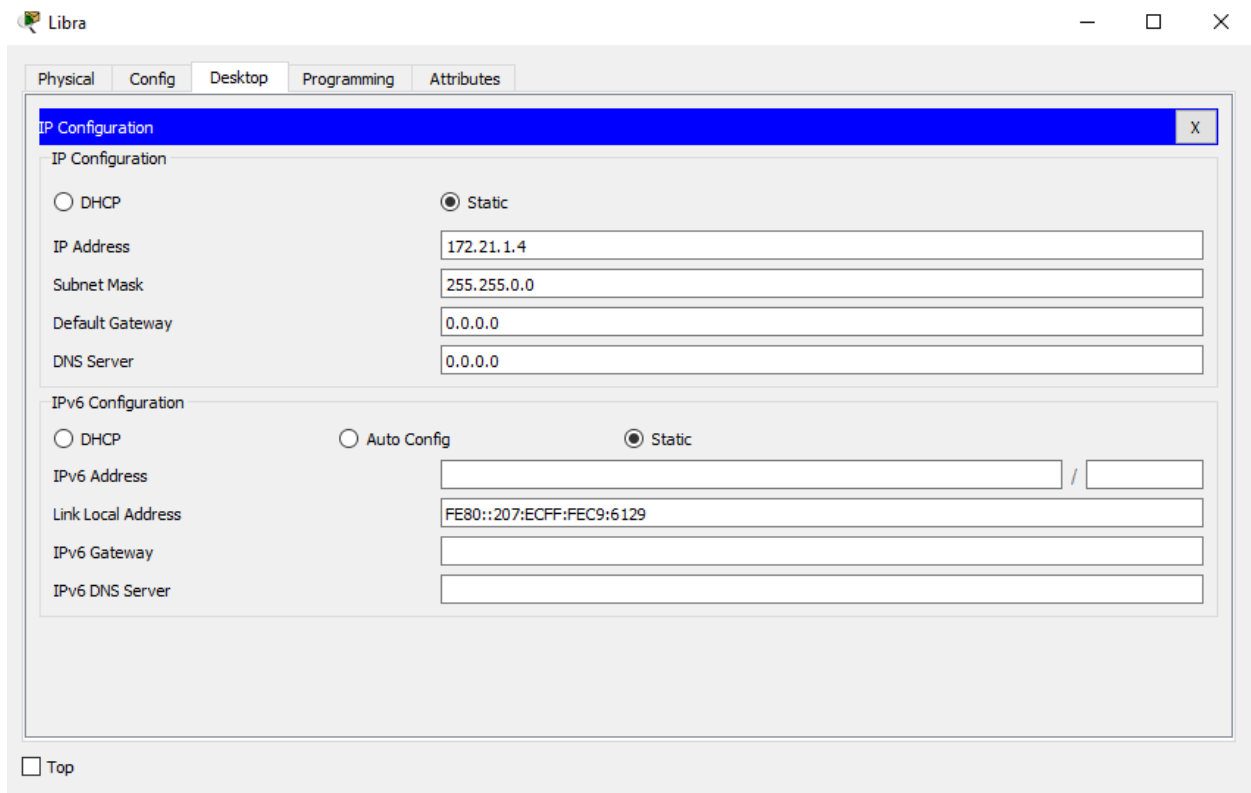
| IP Configuration   |             |
|--|-------------|
| <input type="radio"/> DHCP <input checked="" type="radio"/> Static |             |
| IP Address   | 172.21.1.3  |
| Subnet Mask  | 255.255.0.0 |
| Default Gateway  | 0.0.0.0     |
| DNS Server   | 0.0.0.0     |

| IPv6 Configuration   |                          |
|--|--------------------------|
| <input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static |                          |
| IPv6 Address   |                          |
| Link Local Address   | FE80::290:2BFF:FE6C:C908 |
| IPv6 Gateway   |                          |
| IPv6 DNS Server  |                          |

☐ Top

d. Libra = 172.21.1.4/24



The screenshot shows the 'Libra' window with the 'Config' tab selected. The 'IP Configuration' section is active, displaying settings for both IPv4 and IPv6. The IPv4 configuration is set to 'Static' with an IP address of 172.21.1.4, a subnet mask of 255.255.0.0, and default gateway and DNS server addresses of 0.0.0.0. The IPv6 configuration is also set to 'Static', with an IPv6 address field, a link local address of FE80::207:ECFF:FEC9:6129, and empty fields for IPv6 gateway and DNS server. A 'Top' button is located at the bottom left of the window.

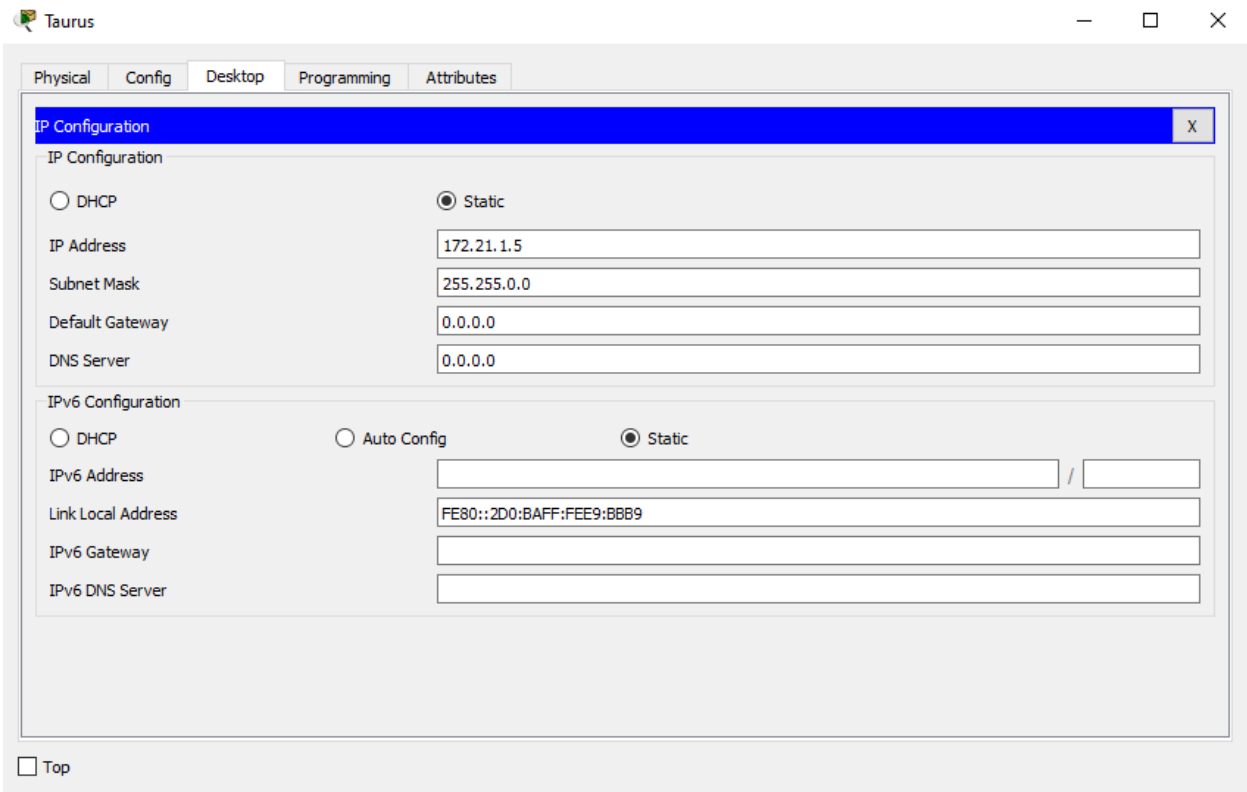
| IP Configuration   |             |
|--|-------------|
| <input type="radio"/> DHCP <input checked="" type="radio"/> Static |             |
| IP Address   | 172.21.1.4  |
| Subnet Mask  | 255.255.0.0 |
| Default Gateway  | 0.0.0.0     |
| DNS Server   | 0.0.0.0     |

| IPv6 Configuration   |                          |
|--|--------------------------|
| <input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static |                          |
| IPv6 Address   |                          |
| Link Local Address   | FE80::207:ECFF:FEC9:6129 |
| IPv6 Gateway   |                          |
| IPv6 DNS Server  |                          |

☐ Top

e. Taurus = 172.21.1.5/24



The screenshot shows the 'Taurus' network configuration window. The 'Config' tab is selected, and the 'IP Configuration' section is active. The 'Static' radio button is selected for IP Configuration. The fields are filled with the following values:

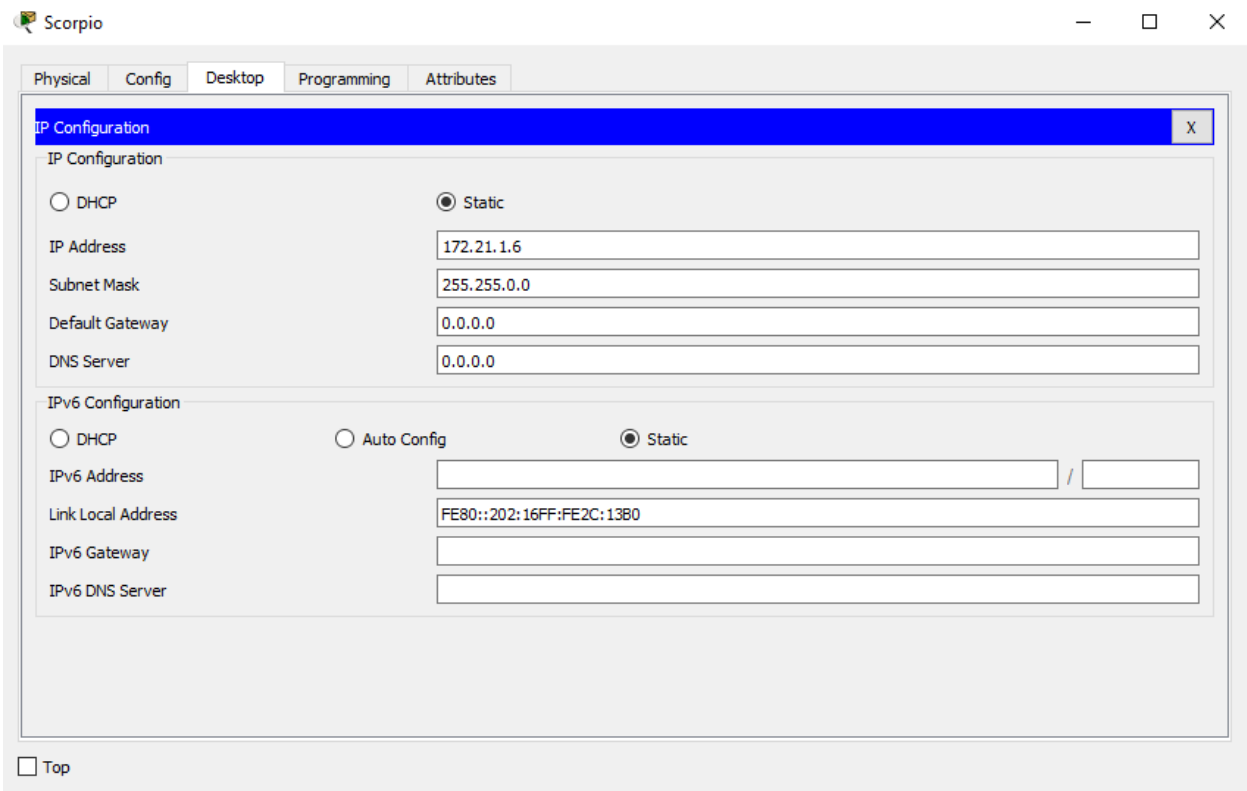
| Field           | Value       |
|-----------------|-------------|
| IP Address      | 172.21.1.5  |
| Subnet Mask     | 255.255.0.0 |
| Default Gateway | 0.0.0.0     |
| DNS Server      | 0.0.0.0     |

For IPv6 Configuration, the 'Static' radio button is also selected. The fields are filled with the following values:

| Field              | Value                    |
|--------------------|--------------------------|
| IPv6 Address       |                          |
| Link Local Address | FE80::2D0:BAFF:FEE9:BBB9 |
| IPv6 Gateway       |                          |
| IPv6 DNS Server    |                          |

At the bottom left, there is a 'Top' button.

f. Scorpio = 172.21.1.6/24



The screenshot shows the 'Scorpio' network configuration window. The 'Config' tab is selected, and the 'IP Configuration' section is active. The 'Static' radio button is selected for IP Configuration. The fields are filled with the following values:

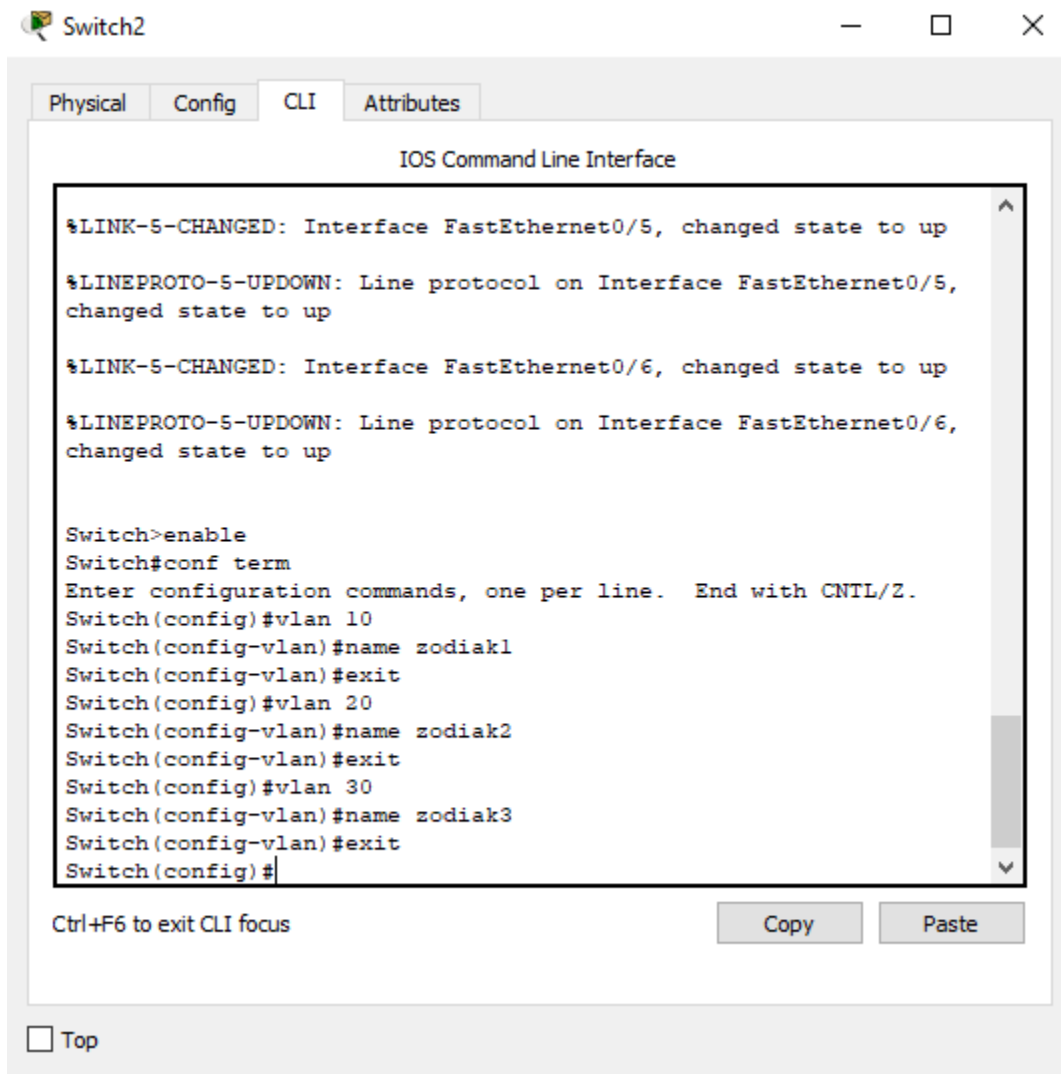
| Field           | Value       |
|-----------------|-------------|
| IP Address      | 172.21.1.6  |
| Subnet Mask     | 255.255.0.0 |
| Default Gateway | 0.0.0.0     |
| DNS Server      | 0.0.0.0     |

For IPv6 Configuration, the 'Static' radio button is also selected. The fields are filled with the following values:

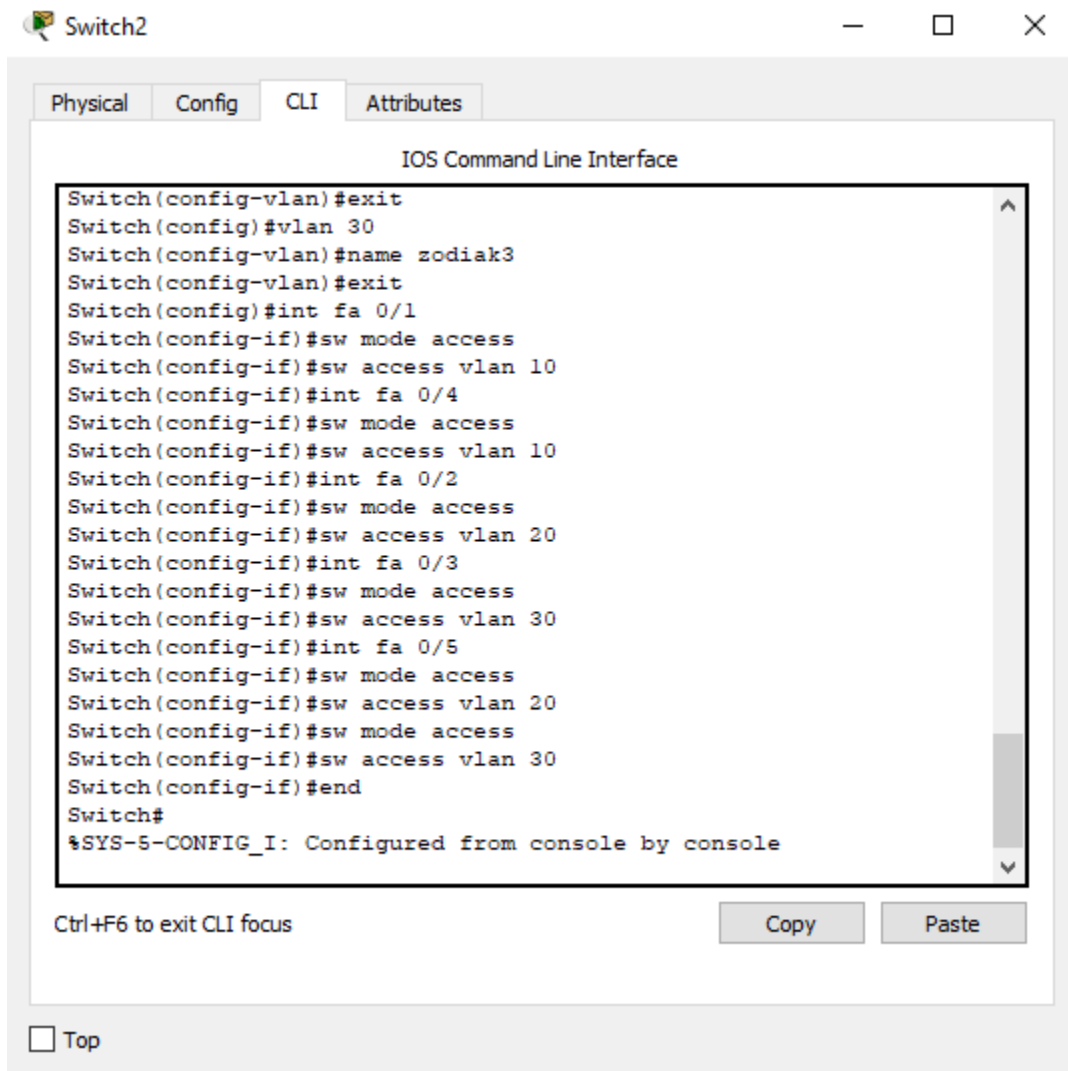
| Field              | Value                    |
|--------------------|--------------------------|
| IPv6 Address       |                          |
| Link Local Address | FE80::202:16FF:FE2C:13B0 |
| IPv6 Gateway       |                          |
| IPv6 DNS Server    |                          |

At the bottom left, there is a 'Top' button.

D. Konfigurasi pada switch dengan mode user atau mode privileged



- E. Pad amode configuration, konfigurasi port-port switch ke dalam vlan zodiak1, zodiak2, zodiak3



F. Pada mode user , lihat konfigurasi vlan yang telah dibuat.

Switch2

Physical Config CLI Attributes

IOS Command Line Interface

```
%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan brief
```

| VLAN Name               | Status | Ports  |
|-------------------------|--------|--|
| 1 default               | active | Fa0/6, 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  |
| 30 zodiak3              | active | Fa0/3, Fa0/5   |
| 1002 fddi-default       | active |  |
| 1003 token-ring-default | active |  |
| 1004 fddinet-default    | active |  |
| 1005 trnet-default      | active |  |

Switch#

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top

a. Informasi VLAN 10

```
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#

### Tugas 6A

| No | Variable   | Nilai        |
|----|------------|--------------|
| 1  | Nomor VLAN | 10           |
| 2  | Nama VLAN  | Zodiak1      |
| 3  | Port       | Fa0/1, Fa0/4 |
| 4  | Status     | Active       |

#### b. Informasi VLAN 20

```
Switch#show vlan id 20

VLAN Name                Status    Ports
-----
20    zodiak2                active    Fa0/2

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp    BrdgMode
Trans1 Trans2
-----
20    enet    100020   1500   -     -     -     -     -
0      0

Switch#
```

#### c. Tugas 6A

| No | Variable   | Nilai   |
|----|------------|---------|
| 1  | Nomor VLAN | 20      |
| 2  | Nama VLAN  | Zodiak2 |
| 3  | Port       | Fa0/2   |
| 4  | Status     | Active  |

### Informasi VLAN 30

```
Switch#show vlan id 30

VLAN Name                Status    Ports
-----
30    zodiak3                active    Fa0/3, Fa0/5

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp    BrdgMode
Trans1 Trans2
-----
30    enet    100030   1500   -     -     -     -     -
0      0

Switch#
```



#### Tugas 6A

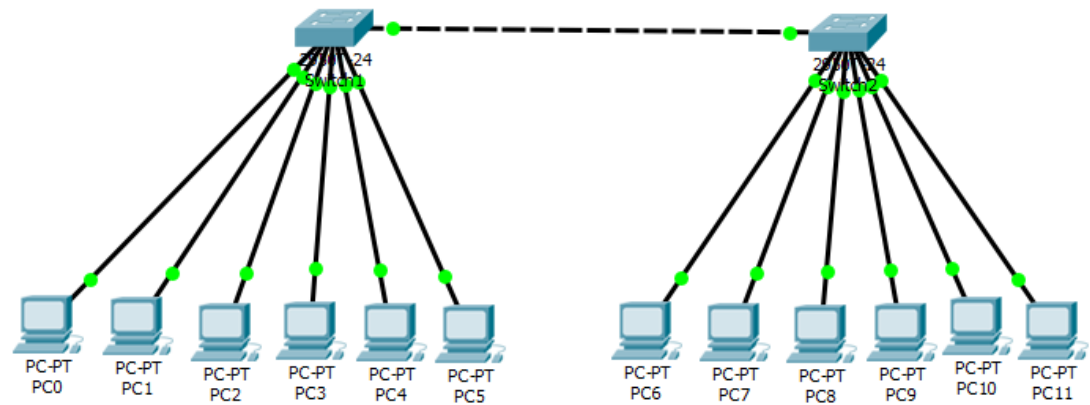
| No | Variable   | Nilai        |
|----|------------|--------------|
| 1  | Nomor VLAN | 30           |
| 2  | Nama VLAN  | Zodiak3      |
| 3  | Port       | Fa0/3, Fa0/5 |
| 4  | Status     | Active       |

#### Tugas 6B

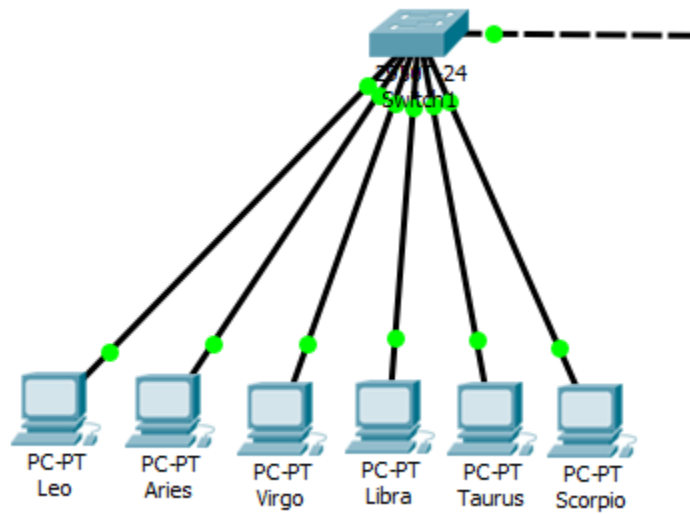
- a. Dalam VLAN ID, status vlan menjadi active
- b. Identitas VLAN(1,2,3) sesuai dari pembuatan nama VLAN dengan nama zodiak1, zodiak2, zodiak3
- c. Por yang terdaftar dalam VLAN sesuai dengan konfigurasi yang telah dilakukan sebelumnya.

## Kegiatan 2 Topologi 2

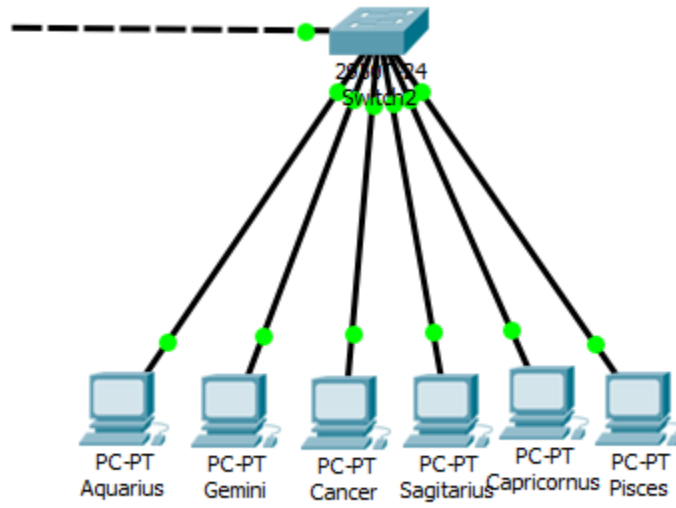
A. Buat topologi berikut dengan menggunakan switch 2950



B. Beri nama masing-masing



C. Beri nama masing-masing



D. Kofigurasi masing-masing PC dengan alamat IP

a. Leo = 172.21.1.1/24

Leo

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 172.21.1.1

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::2D0:D3FF:FE5B:D339

IPv6 Gateway:

IPv6 DNS Server:

Top

**b. Aries = 172.21.1.2/24**

Aries

Physical Config Desktop Programming Attributes

IP Configuration

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::2E0:B0FF:FE1A:8B83

IPv6 Gateway

IPv6 DNS Server

Top

**c. Virgo = 172.21.2.1/24**

Virgo

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.2.1

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::230:F2FF:FE1D:9966

IPv6 Gateway

IPv6 DNS Server

Top

d. **Libra = 172.21.2.2/24**

Libra

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.2.2

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::2E0:8FFF:FE93:3E61

IPv6 Gateway

IPv6 DNS Server

☐ Top

e. **Taurus = 172.21.3.1/24**

Taurus

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.3.1

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 /

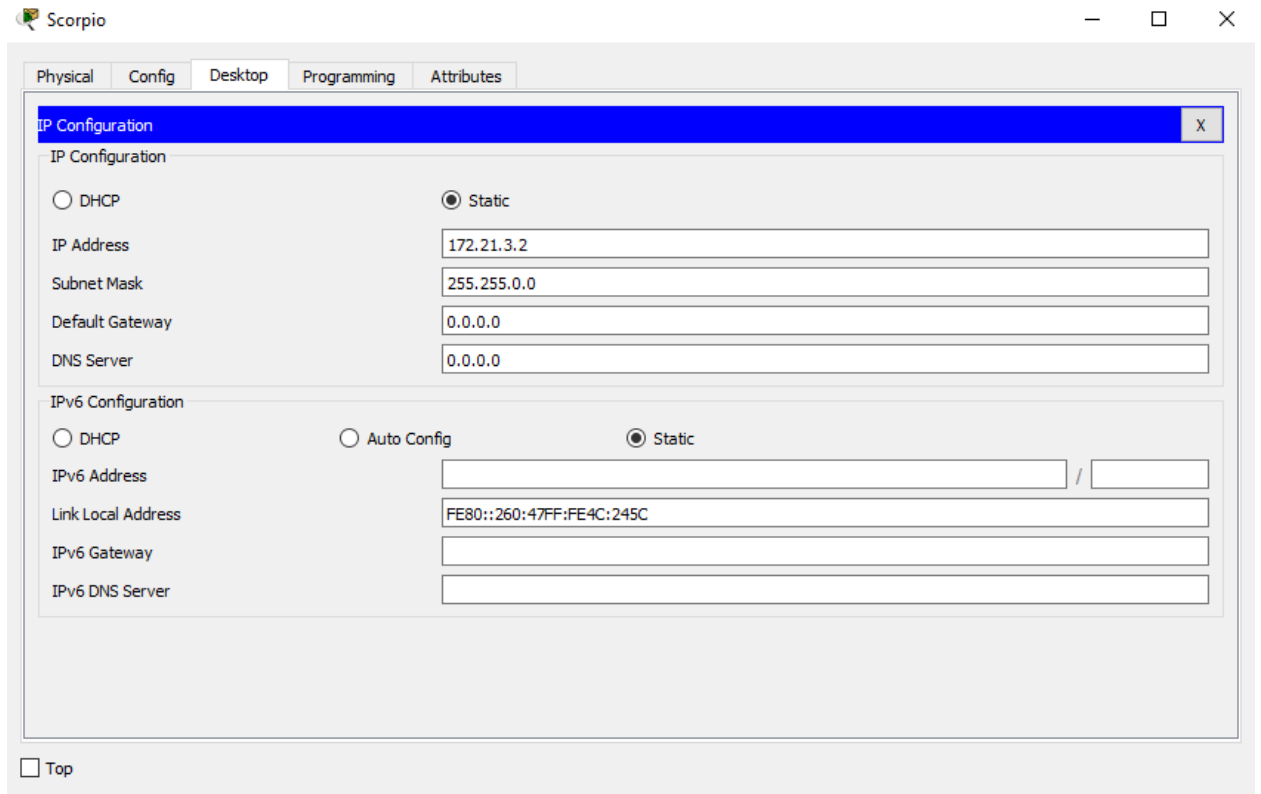
Link Local Address FE80::2D0:BCFF:FED5:C3C4

IPv6 Gateway

IPv6 DNS Server

☐ Top

**f. Scorpio = 172.21.3.2/24**



The image shows a window titled "Scorpio" with a tabbed interface. The "Config" tab is selected, and the "IP Configuration" sub-tab is active. The "IP Configuration" section has two radio buttons: "DHCP" (unselected) and "Static" (selected). Below these are four text input fields: "IP Address" (172.21.3.2), "Subnet Mask" (255.255.0.0), "Default Gateway" (0.0.0.0), and "DNS Server" (0.0.0.0). The "IPv6 Configuration" section has three radio buttons: "DHCP" (unselected), "Auto Config" (unselected), and "Static" (selected). Below these are four text input fields: "IPv6 Address" (empty), "Link Local Address" (FE80::260:47FF:FE4C:245C), "IPv6 Gateway" (empty), and "IPv6 DNS Server" (empty). A "Top" button is at the bottom left.

Scorpio

Physical Config Desktop Programming Attributes

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.3.2

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 /

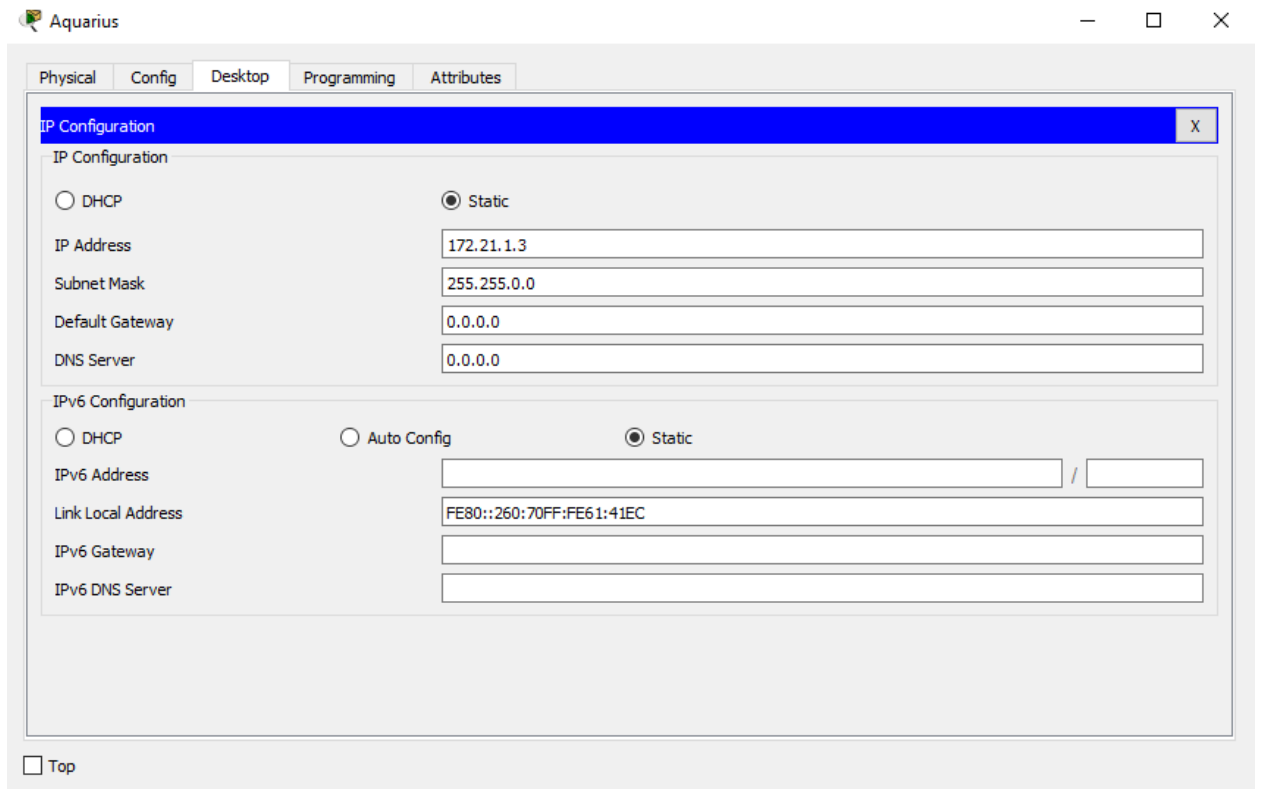
Link Local Address FE80::260:47FF:FE4C:245C

IPv6 Gateway

IPv6 DNS Server

Top

**g. Aquarius = 172.21.1.3/24**



The image shows a window titled "Aquarius" with a tabbed interface. The "Config" tab is selected, and the "IP Configuration" sub-tab is active. The "IP Configuration" section has two radio buttons: "DHCP" (unselected) and "Static" (selected). Below these are four text input fields: "IP Address" (172.21.1.3), "Subnet Mask" (255.255.0.0), "Default Gateway" (0.0.0.0), and "DNS Server" (0.0.0.0). The "IPv6 Configuration" section has three radio buttons: "DHCP" (unselected), "Auto Config" (unselected), and "Static" (selected). Below these are four text input fields: "IPv6 Address" (empty), "Link Local Address" (FE80::260:70FF:FE61:41EC), "IPv6 Gateway" (empty), and "IPv6 DNS Server" (empty). A "Top" button is at the bottom left.

Aquarius

Physical Config Desktop Programming Attributes

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:FE61:41EC

IPv6 Gateway

IPv6 DNS Server

Top

**h. Gemini = 172.21.1.4/24**

 Gemini

Physical Config Desktop Programming Attributes

**IP Configuration** X

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.1.4

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::204:9AFF:FE82:9245

IPv6 Gateway

IPv6 DNS Server

☐ Top

**i. Cancer = 172.21.2.3/24**

 Cancer

Physical Config Desktop Programming Attributes

**IP Configuration** X

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.2.3

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 /

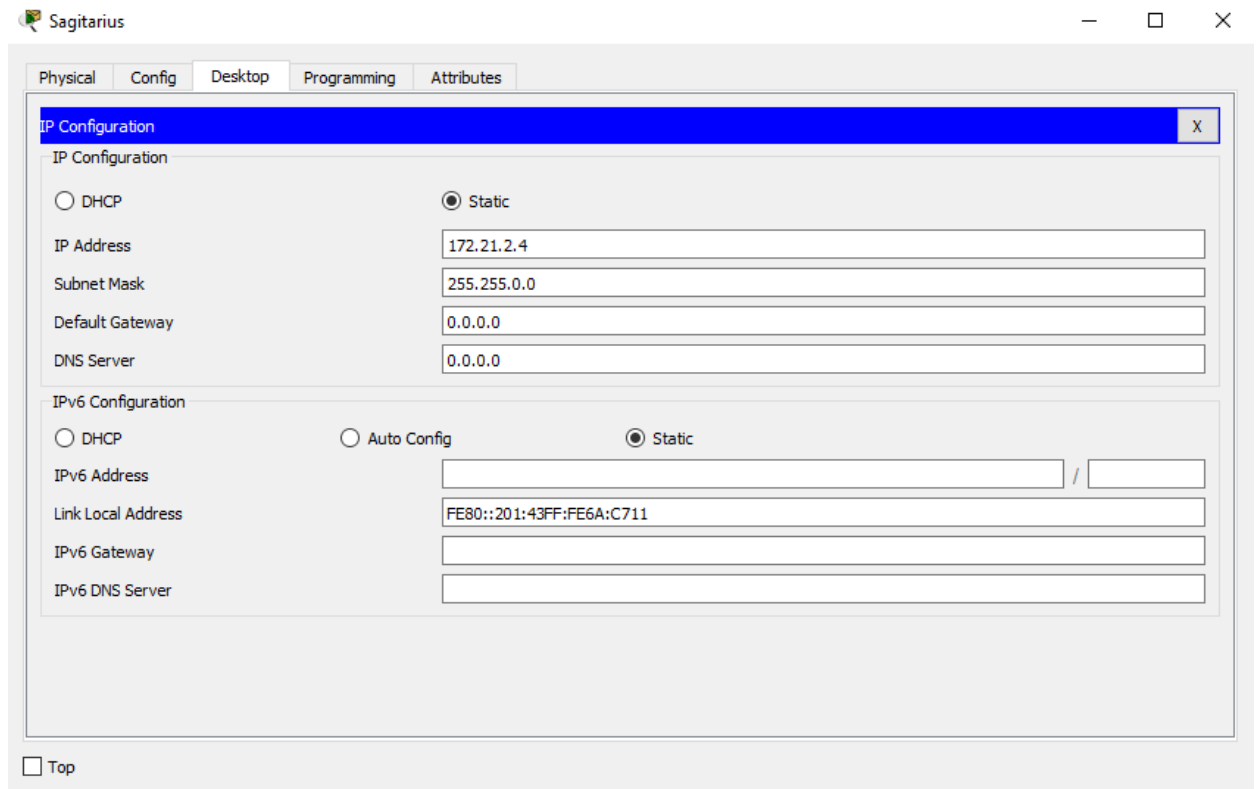
Link Local Address FE80::201:C9FF:FE9A:B471

IPv6 Gateway

IPv6 DNS Server

☐ Top

j. Sagitarius = 172.21.2.4/24



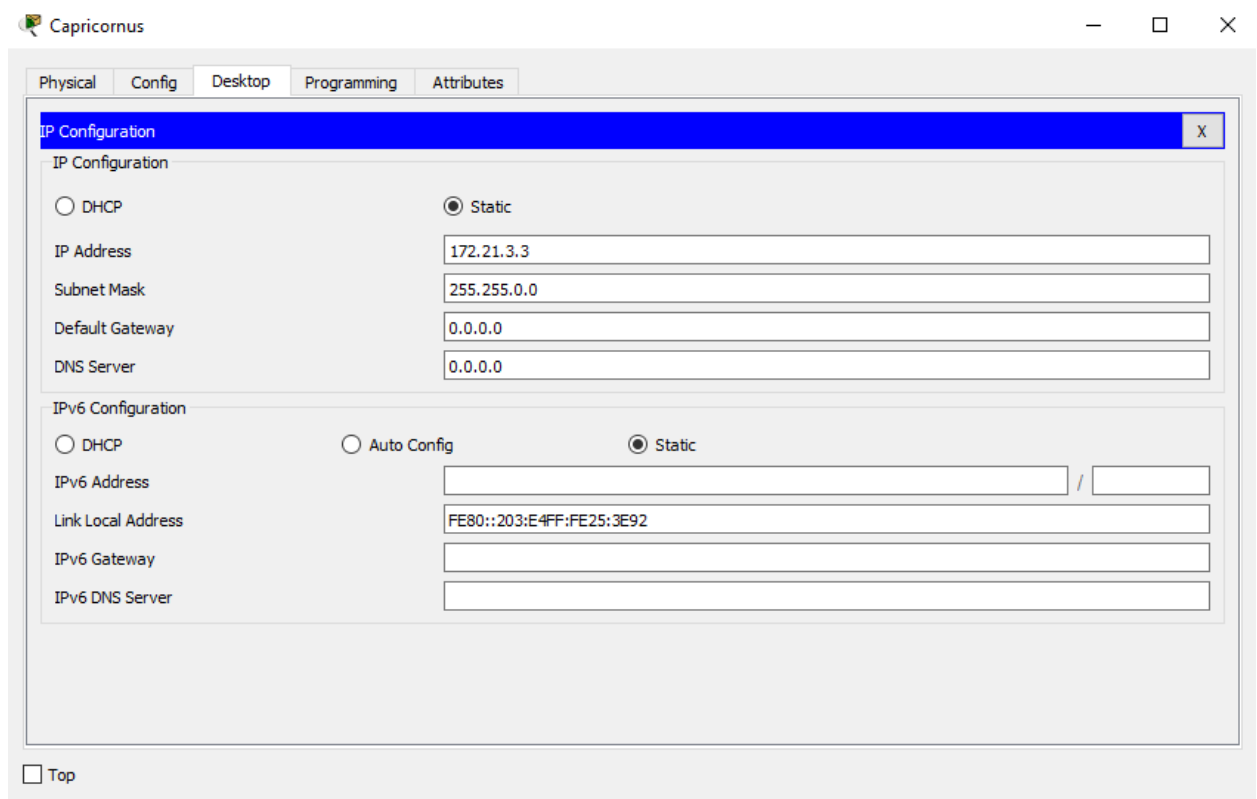
The screenshot shows the 'Sagitarius' window with the 'Config' tab selected. The 'IP Configuration' section is active, showing 'Static' as the selected option. The IP Address is set to 172.21.2.4, Subnet Mask to 255.255.0.0, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. The 'IPv6 Configuration' section shows 'Static' as the selected option, with the IPv6 Address field empty and the Link Local Address set to FE80::201:43FF:FE6A:C711. The 'Top' button is visible at the bottom left.

| IP Configuration           |   |
|----------------------------|---|
| <input type="radio"/> DHCP | <input checked="" type="radio"/> Static |
| IP Address                 | 172.21.2.4                              |
| Subnet Mask                | 255.255.0.0                             |
| Default Gateway            | 0.0.0.0                                 |
| DNS Server                 | 0.0.0.0                                 |

| IPv6 Configuration         |                                   |   |
|----------------------------|-----------------------------------|---|
| <input type="radio"/> DHCP | <input type="radio"/> Auto Config | <input checked="" type="radio"/> Static |
| IPv6 Address               |                                   |   |
| Link Local Address         | FE80::201:43FF:FE6A:C711          |   |
| IPv6 Gateway               |                                   |   |
| IPv6 DNS Server            |                                   |   |

k. Capricornus = 172.21.3.3/24



The screenshot shows the 'Capricornus' window with the 'Config' tab selected. The 'IP Configuration' section is active, showing 'Static' as the selected option. The IP Address is set to 172.21.3.3, Subnet Mask to 255.255.0.0, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. The 'IPv6 Configuration' section shows 'Static' as the selected option, with the IPv6 Address field empty and the Link Local Address set to FE80::203:E4FF:FE25:3E92. The 'Top' button is visible at the bottom left.


| IP Configuration           |   |
|----------------------------|---|
| <input type="radio"/> DHCP | <input checked="" type="radio"/> Static |
| IP Address                 | 172.21.3.3                              |
| Subnet Mask                | 255.255.0.0                             |
| Default Gateway            | 0.0.0.0                                 |
| DNS Server                 | 0.0.0.0                                 |

| IPv6 Configuration         |                                   |   |
|----------------------------|-----------------------------------|---|
| <input type="radio"/> DHCP | <input type="radio"/> Auto Config | <input checked="" type="radio"/> Static |
| IPv6 Address               |                                   |   |
| Link Local Address         | FE80::203:E4FF:FE25:3E92          |   |
| IPv6 Gateway               |                                   |   |
| IPv6 DNS Server            |                                   |   |



# I. Pisces = 172.21.3.4/24

 Pisces

— □ ×

Physical Config Desktop Programming Attributes

IP Configuration X

IP Configuration

☐ DHCP

☒ Static

IP Address

172.21.3.4

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::201:64FF:FE86:2857

IPv6 Gateway

IPv6 DNS Server

☐ Top

E. Lakukan langkah 4 dan 5 lab 1 untuk switch 1

```
Switch>enable
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name zodiak1
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)#int fa 0/1
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#int fa 0/4
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#int fa 0/2
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#int fa 0/3
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#int fa 0/5
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console
```

F. Lakukan konfigurasi VLAN trunking pada switch 1

```
Switch#
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa 0/1
Switch(config-if)#sw mode trunk

Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1,
changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1,
changed state to up

Switch(config-if)#exit
Switch(config)#
```

**G. Pada mode user lihat konfigurasi tunking yang telah dibuat**

```
Switch#show interface fastethernet 0/1 switchport
Name: Fa0/1
Switchport: Enabled
Administrative Mode: trunk
Operational Mode: trunk
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: dot1q
Negotiation of Trunking: Off
Access Mode VLAN: 10 (zodiak1)
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
--More--
```

```

Switch#show vlan

VLAN Name                Status    Ports
-----
1    default                active    Fa0/6, 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, Gig0/1
                                           Gig0/2
10   zodiak1                 active    Fa0/4
20   zodiak2                 active    Fa0/2
30   zodiak3                 active    Fa0/3, Fa0/5
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  BrdgMode Trans1 Trans2
-----
1    enet     100001    1500  -      -      -      -   -        0      0
10   enet     100010    1500  -      -      -      -   -        0      0
20   enet     100020    1500  -      -      -      -   -        0      0
30   enet     100030    1500  -      -      -      -   -        0      0
1002 fddi     101002    1500  -      -      -      -   -        0      0
1003 tr      101003    1500  -      -      -      -   -        0      0
1004 fdnet   101004    1500  -      -      -      -   ieee -    0      0
1005 trnet   101005    1500  -      -      -      -   ibm  -    0      0

VLAN Type  SAID      MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2
-----

Remote SPAN VLANs
-----

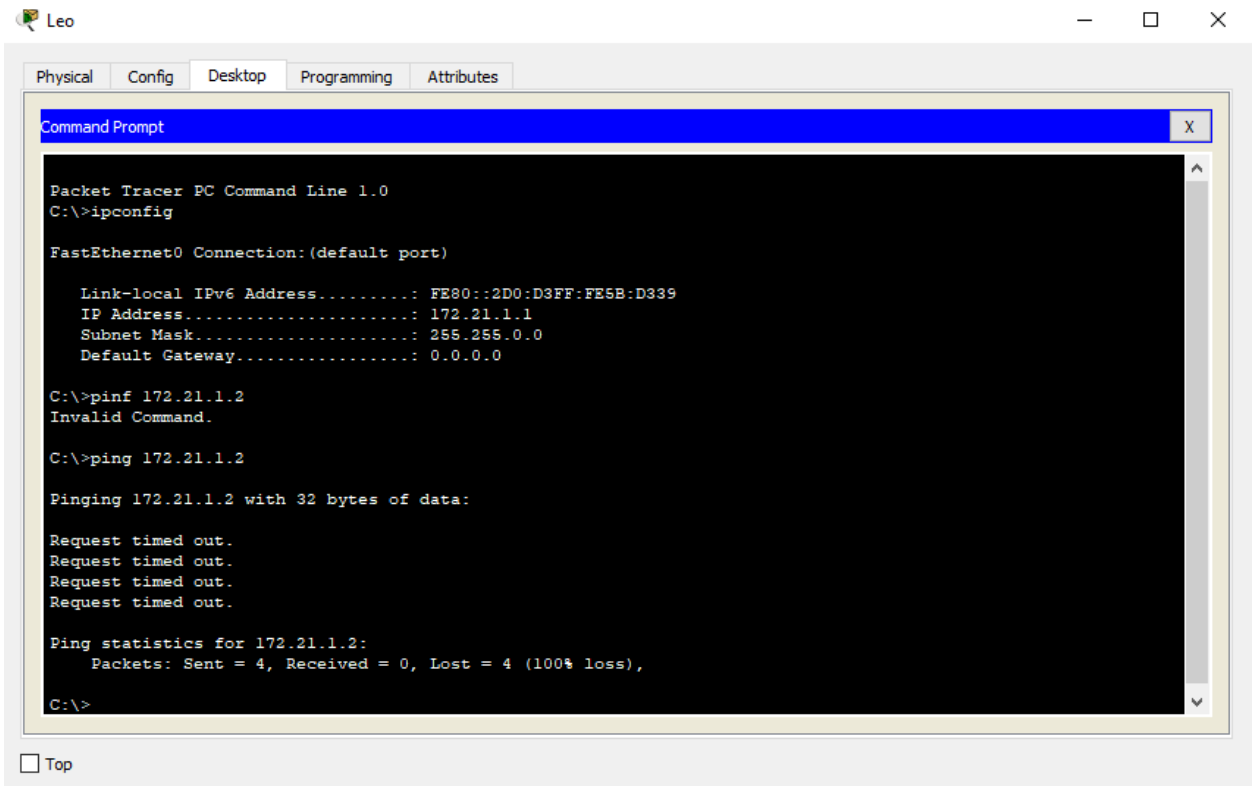
Primary Secondary Type          Ports
-----

Switch#

```

**Tugas 7A : mengaktifkan switch port fa0/1(port yang digunakan untuk trunk), Administrative mode menjadi trunk dan juga operational mode trunk.**

#### H. Lakukan ping dari pc leo ke pc pisces



```
Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection: (default port)

    Link-local IPv6 Address . . . . . : FE80::2D0:D3FF:FE5B:D339
    IP Address. . . . . : 172.21.1.1
    Subnet Mask . . . . . : 255.255.0.0
    Default Gateway . . . . . : 0.0.0.0

C:\>pingf 172.21.1.2
Invalid Command.

C:\>ping 172.21.1.2

Pinging 172.21.1.2 with 32 bytes of data:

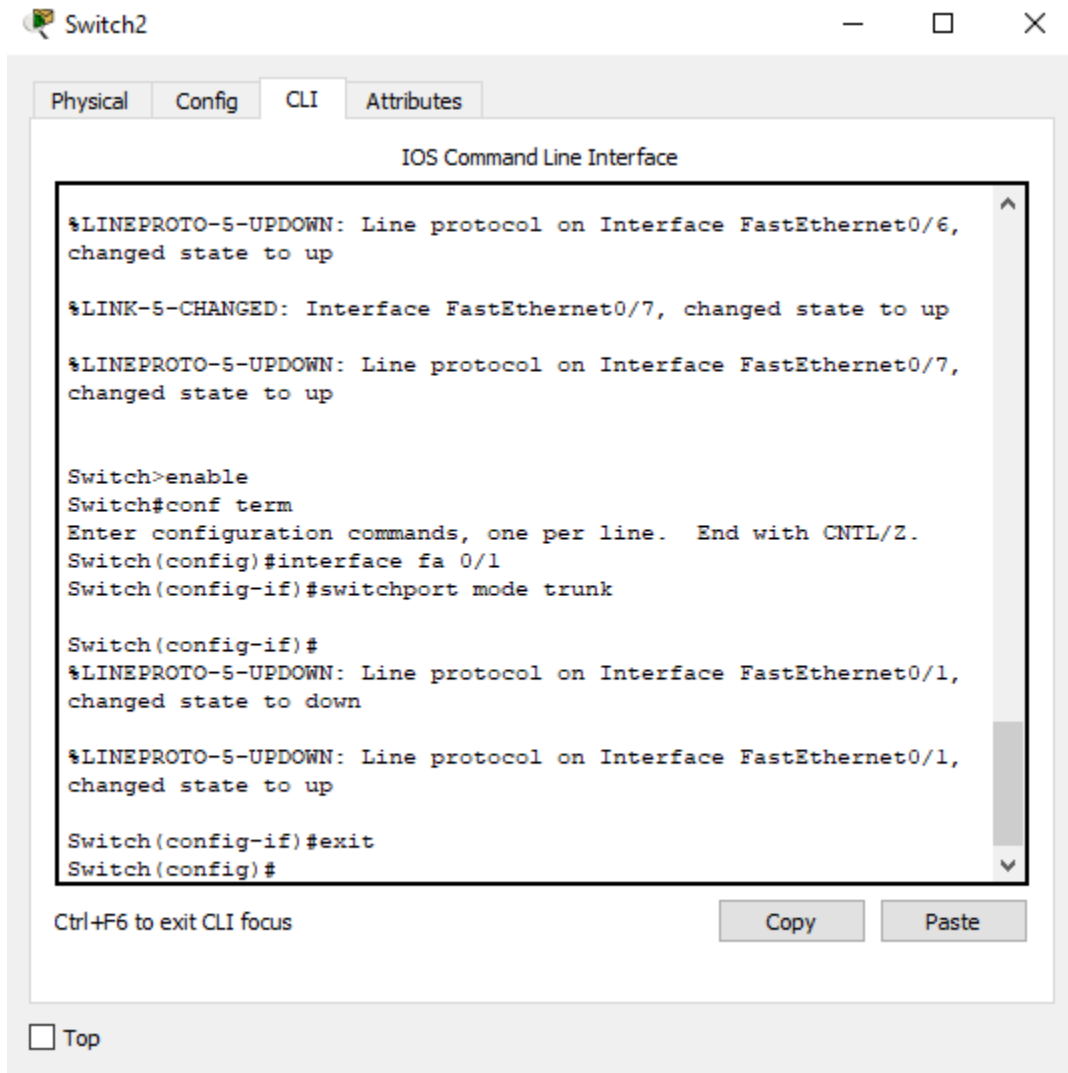
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.1.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

ping dari PC leo ke PC pisces mendapatkan RTo karena keduanya berada pada jaringan yang berbeda dan dalam kondisi VLAN keduanya berada dalam VLAN yang berbeda

I. Lakukan konfigurasi vlan trunking pada switch2

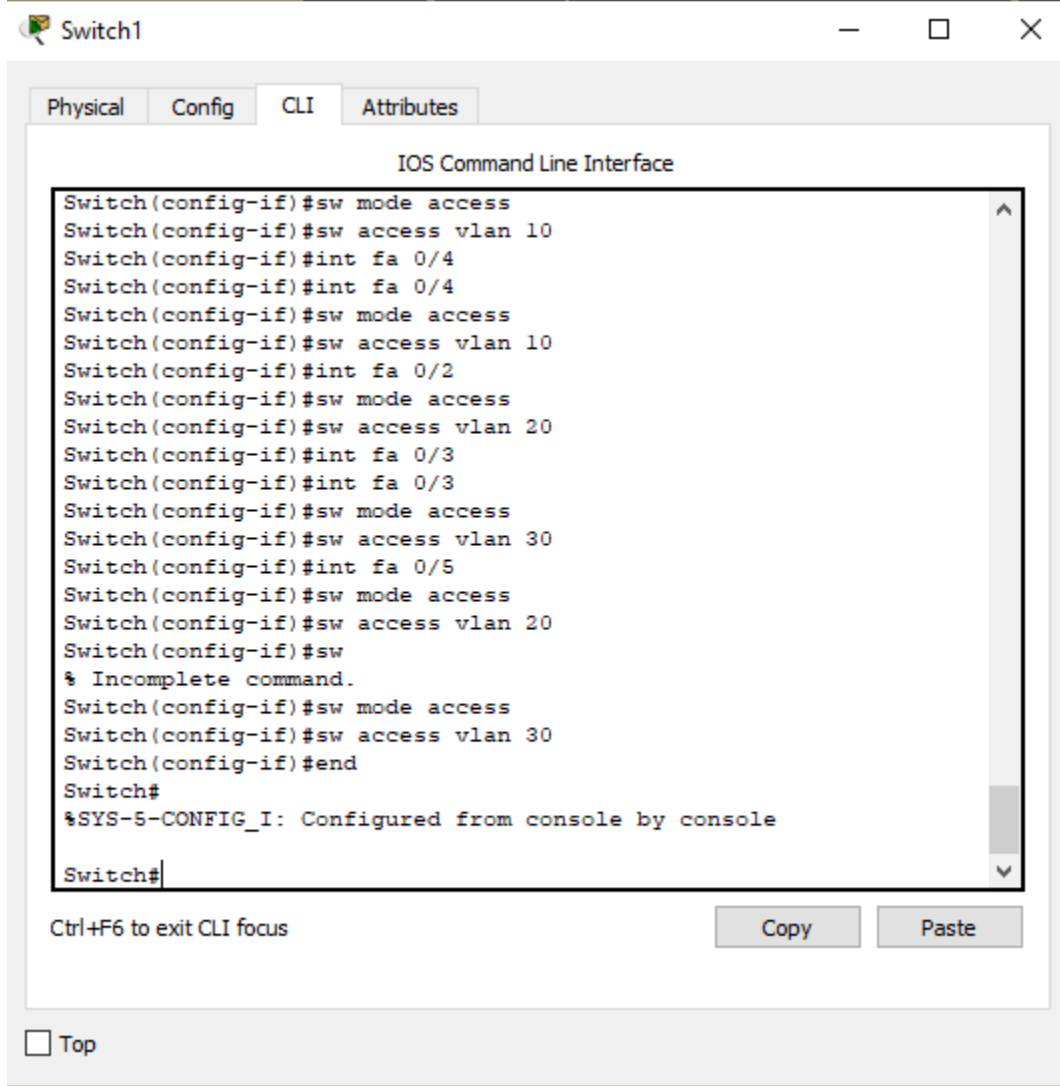


J. Lihat konfigurasi VLAN pada switch2

```
% Invalid input detected at ...  
  
Switch(config)#exit  
Switch#  
%SYS-5-CONFIG_I: Configured from console by console  
  
Switch#show vlan  
  
VLAN Name                Status    Ports  
-----  
1      default                active    Fa0/2, Fa0/3, Fa0/4, Fa0/5  
                                                Fa0/6, 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, Gig0/1  
                                                Gig0/2  
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  BrdgMode Trans1 Trans2  
-----  
1      enet    100001        1500  -     -     -     -   -         0      0  
1002   fddi    101002        1500  -     -     -     -   -         0      0  
1003   tr      101003        1500  -     -     -     -   -         0      0  
1004   fdnet   101004        1500  -     -     -     ieee -         0      0  
1005   trnet   101005        1500  -     -     -     ibm  -         0      0  
  
VLAN Type  SAID          MTU   Parent RingNo BridgeNo Stp  BrdgMode Trans1 Trans2  
-----  
  
Remote SPAN VLANs  
-----  
  
Primary Secondary Type            Ports  
-----  
Switch#
```

Dapat disimpulkan bahwa pad konfigurasi trunking sudah dilakkan dan dalam switc menunjukan konfigurasi trunking sudah berjalan. Port yang telah didaftarkan dalam trunking memiliki kapasitas untuk memanaged beberapa hal yang berkaitan dengan domain

K. Pada mode configuration, konfigurasi port-port switch ke dalam VLAN



L. Lakukan ping dari:

a. Leo ke Aries

```
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),
```



b. Leo ke Aquarius

```
C:\>ping 172.21.1.3

Pinging 172.21.1.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.1.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

c. Leo ke Pisces

```
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),
```

d. Libra ke Cancer

```
C:\>ping 172.21.2.3

Pinging 172.21.2.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 172.21.2.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

e. Libra ke Leo

```
Packet Tracer PC Command Line 1.0
C:\>ping 172.21.1.1

Pinging 172.21.1.1 with 32 bytes of data:

Reply from 172.21.1.1: bytes=32 time=49ms TTL=128
Reply from 172.21.1.1: bytes=32 time<1ms TTL=128
Reply from 172.21.1.1: bytes=32 time<1ms TTL=128
Reply from 172.21.1.1: bytes=32 time=13ms TTL=128

Ping statistics for 172.21.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 49ms, Average = 15ms
```

Tugas 12A:

- I. Dari langkah 8 dapat disimpulkan bahwa seluruh device yang sudah dikonfigurasi hasil dari pengujian koneksi menunjukkan bahwa device yang dalam jaringan yang sama namun memiliki perbedaan VLAN menunjukkan hasil RTO, dalam network yang sama namun dalam VLAN berbeda juga menunjukkan RTO.
- II. Untuk hasil pengujian koneksi yang reply hanyalah dalam device dengan spesifikasi jaringan yang sama dan dalam VLAN yang sama. perlu adanya konfigurasi gateway dalam switch agar dalam setiap device dapat terkoneksi satu dengan yang lainnya.