

PRAKTIKUM JARINGAN KOMPUTER

MODUL IV

VIRTUAL LAN DAN TRUNKING

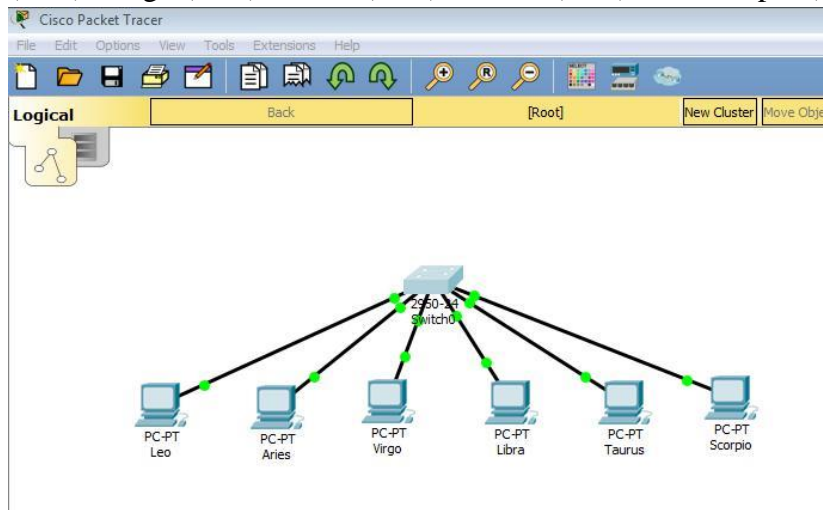
Nama : Agatha Febiananda P

NIM : L200170127

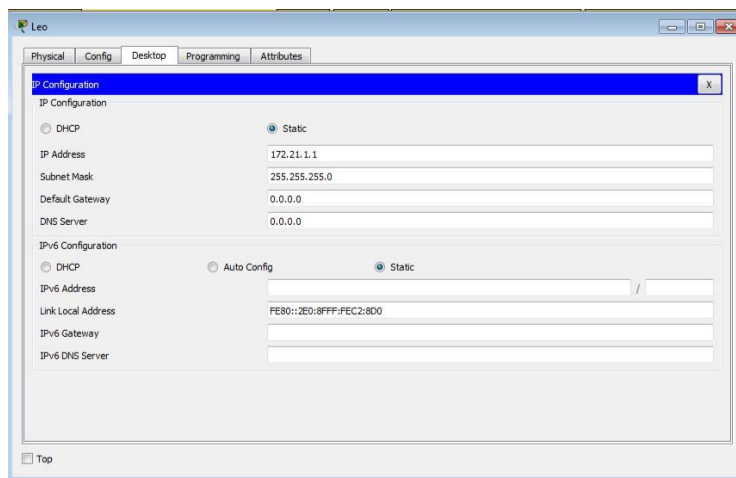
Kelas : C

Kegiatan 1. Topologi 1

1. Menggunakan *packet tracker* buat topologi berikut ini dengan menggunakan switch dan beri nama masing-masing perangkat dengan SW1 (switch), Leo (PC0), Aries (PC1), Virgo (PC2), Pisces (PC3), Taurus (PC4), dan Scorpio (PC5)



2. Konfigurasi masing-masing PC dengan nama dan alamat IP berikut ini: - Leo = 172.21.1.1/24



- Aries = 172.21.1.2/24

The screenshot shows the 'Aries' network configuration window. The 'Config' tab is active, and the 'IP Configuration' section is expanded. Under 'IP Configuration', the 'Static' radio button is selected. The fields are filled with: IP Address: 172.21.1.2, Subnet Mask: 255.255.255.0, Default Gateway: 0.0.0.0, and DNS Server: 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is also selected. The fields are filled with: IPv6 Address: (empty), Link Local Address: FE80::201:C9FF:FE01:12A1, IPv6 Gateway: (empty), and IPv6 DNS Server: (empty). A 'Top' button is located at the bottom left.

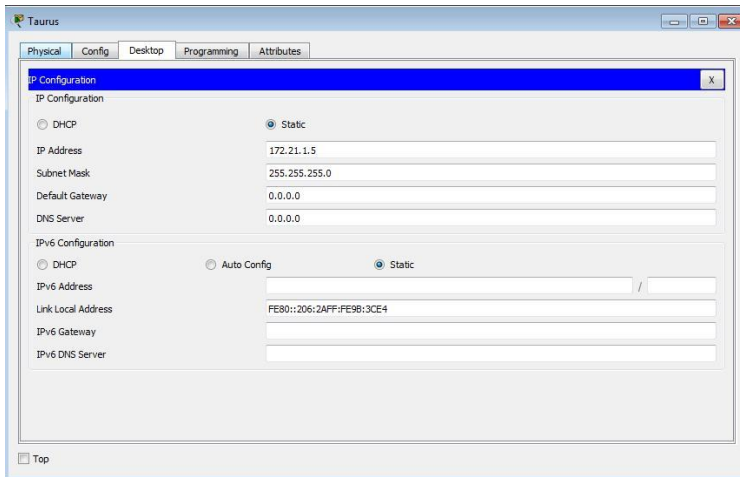
- Virgo = 172.21.1.3/24

The screenshot shows the 'Virgo' network configuration window. The 'Config' tab is active, and the 'IP Configuration' section is expanded. Under 'IP Configuration', the 'Static' radio button is selected. The fields are filled with: IP Address: 172.21.1.3, Subnet Mask: 255.255.255.0, Default Gateway: 0.0.0.0, and DNS Server: 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is also selected. The fields are filled with: IPv6 Address: (empty), Link Local Address: FE80::2D0:58FF:FE7A:AC69, IPv6 Gateway: (empty), and IPv6 DNS Server: (empty). A 'Top' button is located at the bottom left.

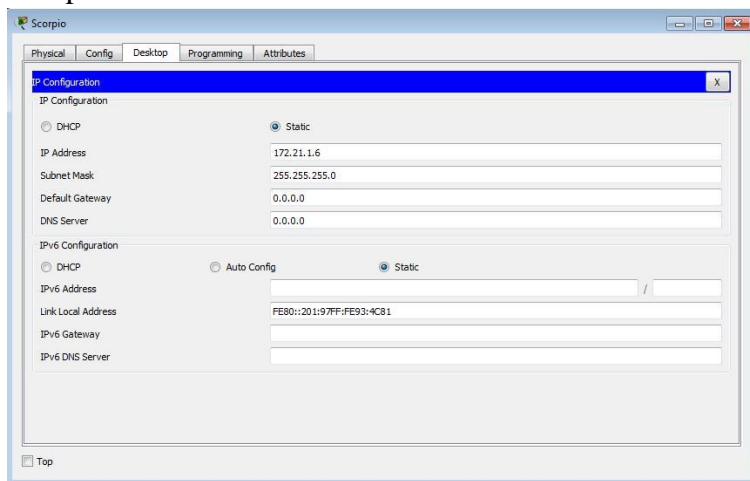
- Libra = 172.21.1.4/24

The screenshot shows the 'Libra' network configuration window. The 'Config' tab is active, and the 'IP Configuration' section is expanded. Under 'IP Configuration', the 'Static' radio button is selected. The fields are filled with: IP Address: 172.21.1.4, Subnet Mask: 255.255.255.0, Default Gateway: 0.0.0.0, and DNS Server: 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is also selected. The fields are filled with: IPv6 Address: (empty), Link Local Address: FE80::201:C7FF:FE91:216, IPv6 Gateway: (empty), and IPv6 DNS Server: (empty). A 'Top' button is located at the bottom left.

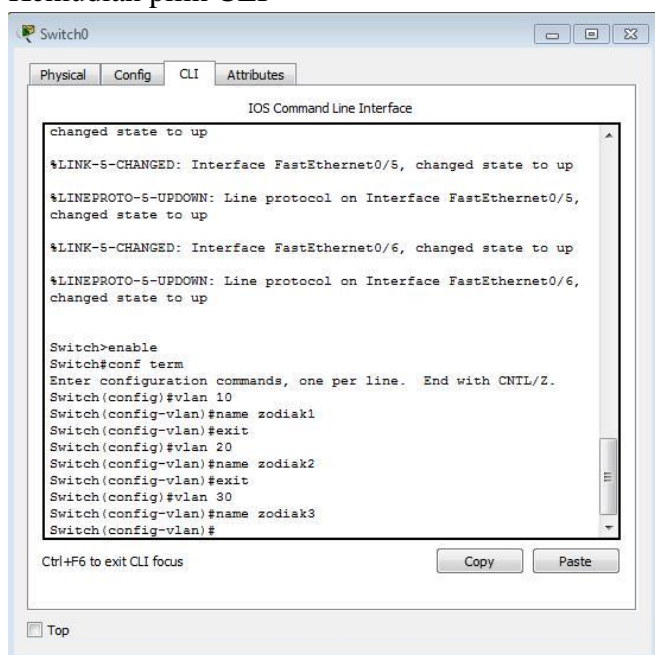
- Taurus = 172.21.1.5/24



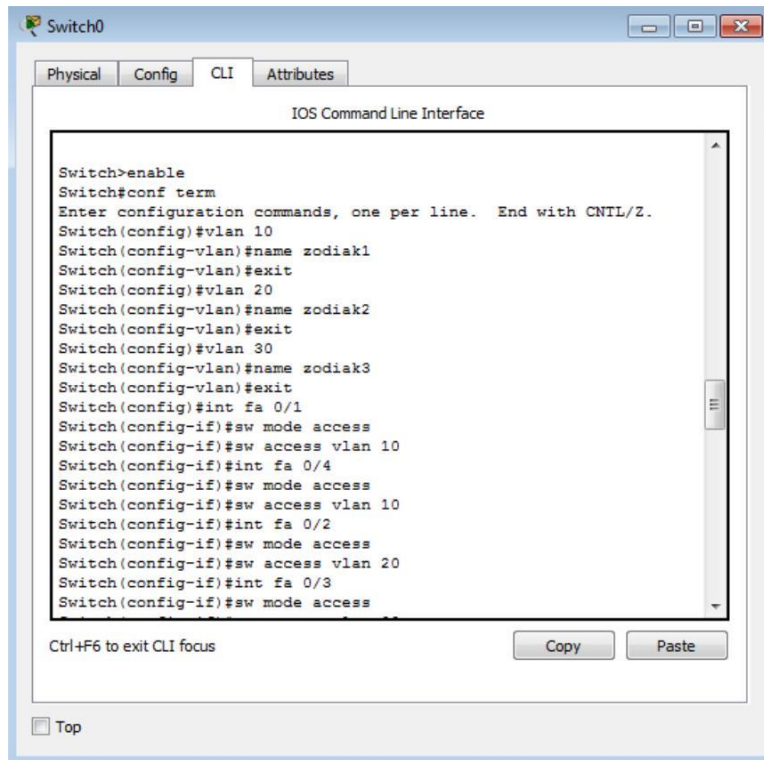
- Scorpio = 172.21.1.6/24



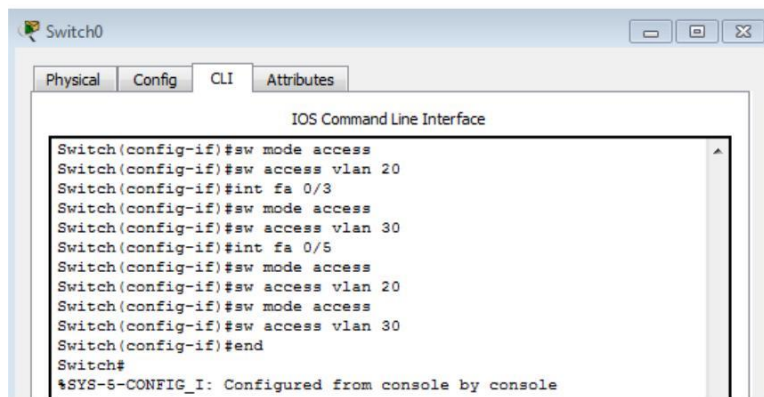
3. Konfigurasi pada switch dengan mode *user* atau mode *privileged*, buat 3 VLAN dengan nama zodiak1, zodiak2, dan zodiak3. Dengan cara klik pada switch 2 kali. Kemudian pilih CLI



4. Pada mode *configuration*, konfigurasi port-port switch kedalam VLAN zodiak1, zodiak2, dan zodiak3 dengan anggota sebagai berikut
- Zodiak1 = leo dan libra
 - Zodiak2 = aries dan taurus
 - Zodiak3 = virgo dan scorpio



```
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
```



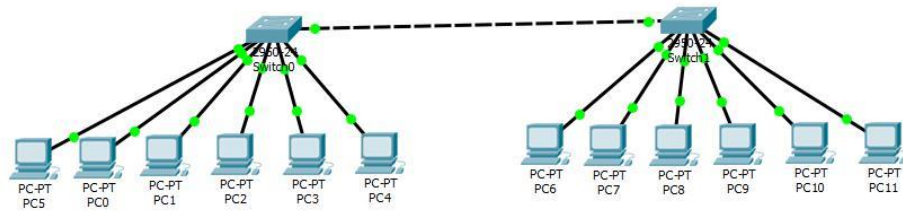
```
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#int fa 0/3
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#int fa 0/5
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console
```


NO	NO. VLAN	NAMA VLAN	PORT	STATUS
1.	10	Zodiak1	Fa0/1, Fa0/4	active
2.	20	Zodiak2	Fa0/2	active
3.	30	Zodiak3	Fa0/3, Fa0/5	active

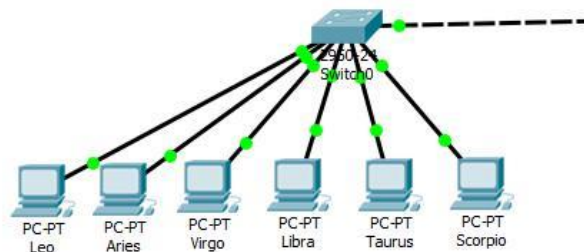
6A. Pada uraian diatas terlihat bahwa memiliki 3 Vlan yaitu 10,20,30 yang bernama zodiak1, zodiak2 dan zodiak3. Pada zodiak1 port yang menjadi anggota Vlan ini yaitu Fa0/1 dan Fa0/4. Lalu pada zodiak2 port yang menjadi anggota Vlan hanya Fa0/2 saja. Kemudian untuk zodiak3 port yang menjadi anggotanya adalah Fa0/3 dan Fa0/5. Semua Vlan disini berstatus ACTIVE.

Kegiatan 2. Topologi 2

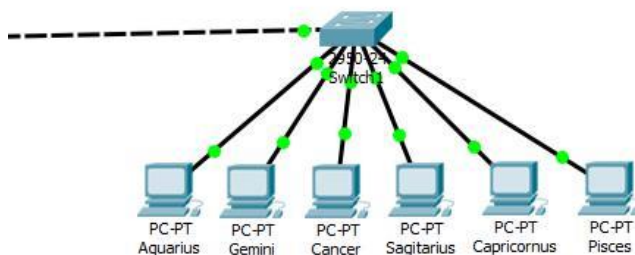
1. Menggunakan cisco packet tracker buat topologi berikut ini dengan menggunakan switch Catalyst 2950



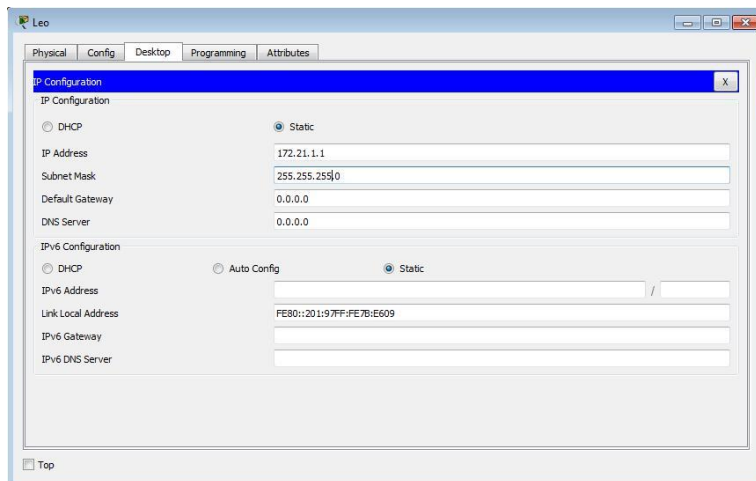
2. Beri nama masing-masing pernakat dengan SW1 (switch 1), Leo (PC0), Aries (PC1), Virgo (PC2), Pisces (PC3), Taurus (PC4), dan Scorpio (PC5) untuk segmen switch 1



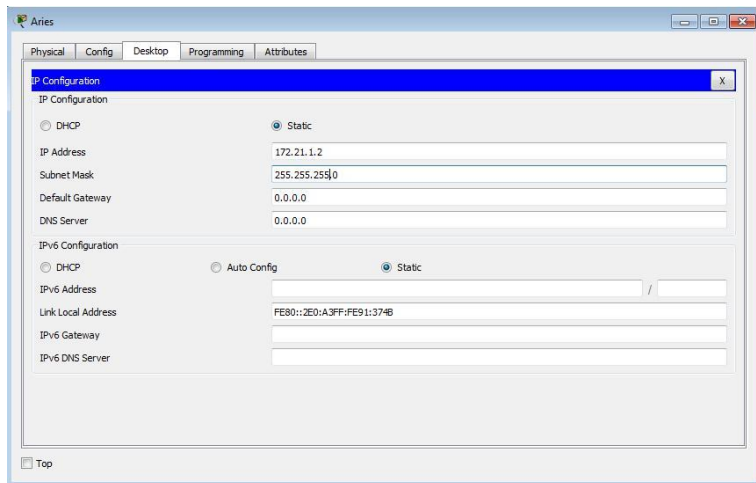
3. Beri nama masing-masing pernakat dengan SW2 (switch 2), Aquarius (PC6), Gemini (PC7), Cancer (PC8), Sagitarius (PC9), Capricorcus (PC10), dan Pisces (PC11) untuk segmen switch 2



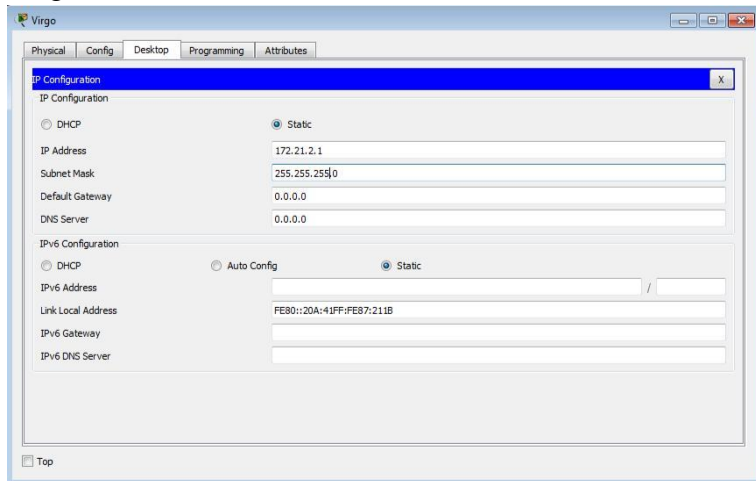
4. Konfigurasi masing-masing PC dengan nama dan alamat IP berikut ini
: - Leo = 172.21.1.1/24



- Aries = 172.21.1.2/24



- Virgo = 172.21.2.1/24



- Libra = 172.21.2.2/24

The screenshot shows the 'Libra' network configuration window. The 'Config' tab is active, and the 'IP Configuration' section is expanded. The 'Static' radio button is selected for both IP and IPv6 configurations. The IP Address is set to 172.21.2.2, Subnet Mask to 255.255.255.0, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. The IPv6 Address is empty, Link Local Address is FE80::203:E4FF:FE10:3ECD, IPv6 Gateway is empty, and IPv6 DNS Server is empty. A 'Top' button is at the bottom left.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	172.21.2.2
Subnet Mask	255.255.255.0
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:FE10:3ECD
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

- Taurus = 172.21.3.1/24

The screenshot shows the 'Taurus' network configuration window. The 'Config' tab is active, and the 'IP Configuration' section is expanded. The 'Static' radio button is selected for both IP and IPv6 configurations. The IP Address is set to 172.21.3.1, Subnet Mask to 255.255.255.0, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. The IPv6 Address is empty, Link Local Address is FE80::260:47FF:FE01:49E4, IPv6 Gateway is empty, and IPv6 DNS Server is empty. A 'Top' button is at the bottom left.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	172.21.3.1
Subnet Mask	255.255.255.0
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::260:47FF:FE01:49E4
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

- Scorpio = 172.21.3.2/24

The screenshot shows the 'Scorpio' network configuration window. The 'Config' tab is active, and the 'IP Configuration' section is expanded. The 'Static' radio button is selected for both IP and IPv6 configurations. The IP Address is set to 172.21.3.2, Subnet Mask to 255.255.255.0, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. The IPv6 Address is empty, Link Local Address is FE80::202:16FF:FEBC:8588, IPv6 Gateway is empty, and IPv6 DNS Server is empty. A 'Top' button is at the bottom left.

IP Configuration	
<input type="radio"/> DHCP <input checked="" type="radio"/> Static	
IP Address	172.21.3.2
Subnet Mask	255.255.255.0
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::202:16FF:FEBC:8588
IPv6 Gateway	
IPv6 DNS Server	

☐ Top

- Aquarius = 172.21.1.3/24

The screenshot shows the 'Aquarius' configuration window with the 'Config' tab selected. The 'IP Configuration' section has 'Static' selected, with IP Address '172.21.1.3', Subnet Mask '255.255.255.0', Default Gateway '0.0.0.0', and DNS Server '0.0.0.0'. The 'IPv6 Configuration' section has 'Static' selected, with IPv6 Address, Link Local Address 'FE80::205:5EFF:FEA7:9A9', IPv6 Gateway, and IPv6 DNS Server.

Configuration Type	Field	Value
IP Configuration (Static)	IP Address	172.21.1.3
	Subnet Mask	255.255.255.0
	Default Gateway	0.0.0.0
	DNS Server	0.0.0.0
IPv6 Configuration (Static)	IPv6 Address	
	Link Local Address	FE80::205:5EFF:FEA7:9A9
	IPv6 Gateway	
	IPv6 DNS Server	

- Gemini = 172.21.1.4/24

The screenshot shows the 'Gemini' configuration window with the 'Config' tab selected. The 'IP Configuration' section has 'Static' selected, with IP Address '172.21.1.4', Subnet Mask '255.255.255.0', Default Gateway '0.0.0.0', and DNS Server '0.0.0.0'. The 'IPv6 Configuration' section has 'Static' selected, with IPv6 Address, Link Local Address 'FE80::2D0:BAFF:FE32:D33E', IPv6 Gateway, and IPv6 DNS Server.

Configuration Type	Field	Value
IP Configuration (Static)	IP Address	172.21.1.4
	Subnet Mask	255.255.255.0
	Default Gateway	0.0.0.0
	DNS Server	0.0.0.0
IPv6 Configuration (Static)	IPv6 Address	
	Link Local Address	FE80::2D0:BAFF:FE32:D33E
	IPv6 Gateway	
	IPv6 DNS Server	

- Cancer = 172.21.2.3/24

The screenshot shows the 'Cancer' configuration window with the 'Config' tab selected. The 'IP Configuration' section has 'Static' selected, with IP Address '172.21.2.3', Subnet Mask '255.255.255.0', Default Gateway '0.0.0.0', and DNS Server '0.0.0.0'. The 'IPv6 Configuration' section has 'Static' selected, with IPv6 Address, Link Local Address 'FE80::260:5CFF:FE40:B83C', IPv6 Gateway, and IPv6 DNS Server.

Configuration Type	Field	Value
IP Configuration (Static)	IP Address	172.21.2.3
	Subnet Mask	255.255.255.0
	Default Gateway	0.0.0.0
	DNS Server	0.0.0.0
IPv6 Configuration (Static)	IPv6 Address	
	Link Local Address	FE80::260:5CFF:FE40:B83C
	IPv6 Gateway	
	IPv6 DNS Server	

- Sagitarius = 172.21.2.4/24

The screenshot shows the 'Sagitarius' network configuration window. The 'Config' tab is selected. Under 'IP Configuration', the 'Static' radio button is chosen. The IP Address is set to 172.21.2.4, Subnet Mask to 255.255.255.0, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is chosen. The IPv6 Address field is empty, Link Local Address is FE80::2D0:58FF:FE1C:5739, IPv6 Gateway is empty, and IPv6 DNS Server is empty. A 'Top' button is at the bottom left.

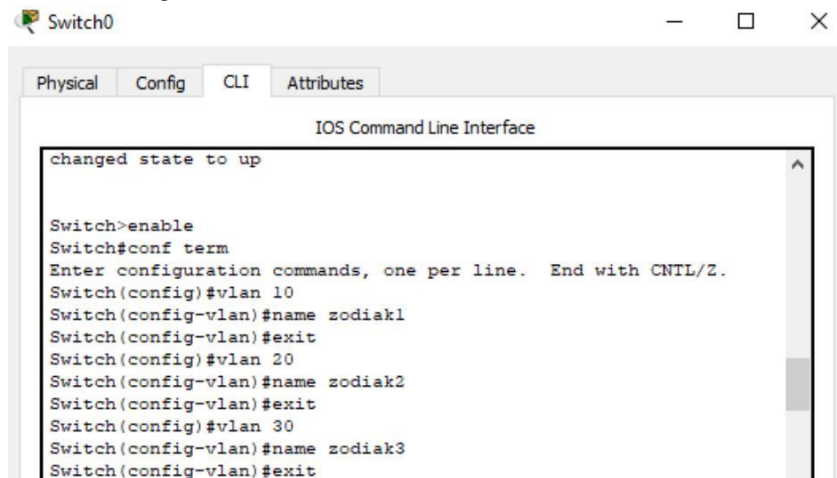
- Capricornus = 172.21.3.3/24

The screenshot shows the 'Capricornus' network configuration window. The 'Config' tab is selected. Under 'IP Configuration', the 'Static' radio button is chosen. The IP Address is set to 172.21.3.3, Subnet Mask to 255.255.255.0, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is chosen. The IPv6 Address field is empty, Link Local Address is FE80::2D0:9AFF:FECD:D631, IPv6 Gateway is empty, and IPv6 DNS Server is empty. A 'Top' button is at the bottom left.

- Pisces = 172.21.3.4/24

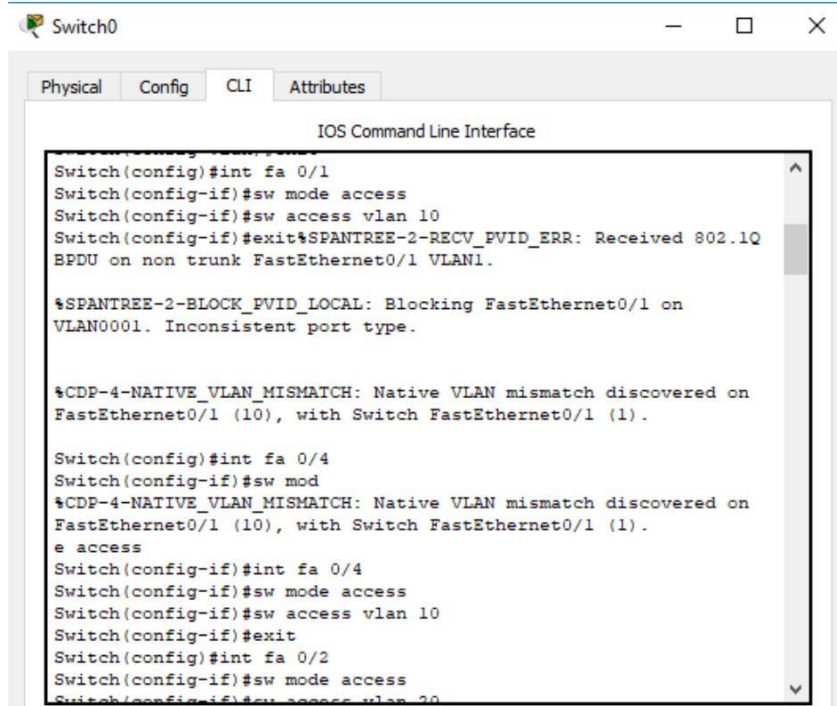
The screenshot shows the 'Pisces' network configuration window. The 'Config' tab is selected. Under 'IP Configuration', the 'Static' radio button is chosen. The IP Address is set to 172.21.3.4, Subnet Mask to 255.255.255.0, Default Gateway to 0.0.0.0, and DNS Server to 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is chosen. The IPv6 Address field is empty, Link Local Address is FE80::2D0:BDFF:FE5D:8D8, IPv6 Gateway is empty, and IPv6 DNS Server is empty. A 'Top' button is at the bottom left.

5. Lakukan langkah 4 dan 5 laboratorium 1 untuk switch 1



```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface
changed state to up

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
```

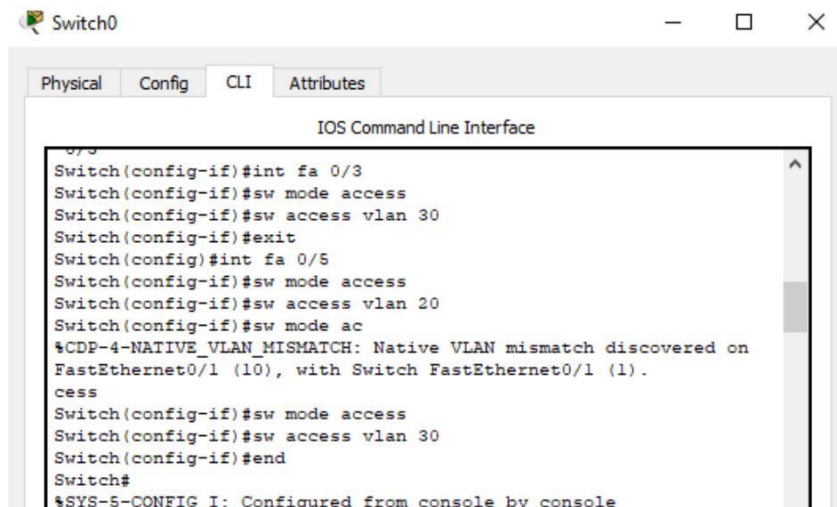


```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface
Switch(config)#int fa 0/1
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#exit
%SPANTREE-2-RECV_PVID_ERR: Received 802.1Q BPDU on non trunk FastEthernet0/1 VLAN1.

%SPANTREE-2-BLOCK_PVID_LOCAL: Blocking FastEthernet0/1 on VLAN0001. Inconsistent port type.

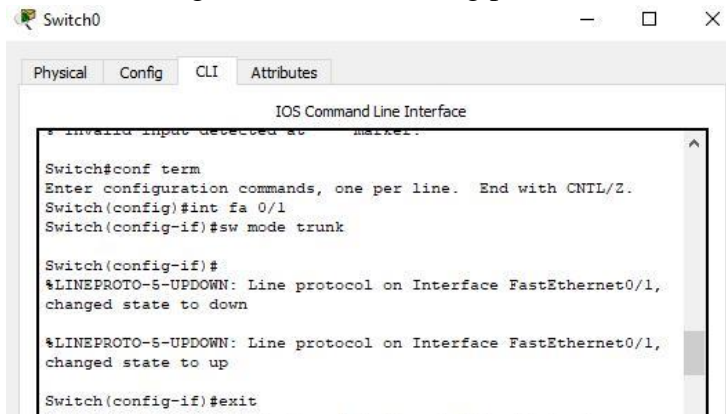
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on FastEthernet0/1 (10), with Switch FastEthernet0/1 (1).

Switch(config)#int fa 0/4
Switch(config-if)#sw mod
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on FastEthernet0/1 (10), with Switch FastEthernet0/1 (1).
e access
Switch(config-if)#int fa 0/4
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#exit
Switch(config)#int fa 0/2
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
```



```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface
Switch(config-if)#int fa 0/3
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 30
Switch(config-if)#exit
Switch(config)#int fa 0/5
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#sw mode ac
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on FastEthernet0/1 (10), with Switch FastEthernet0/1 (1).
cess
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
```

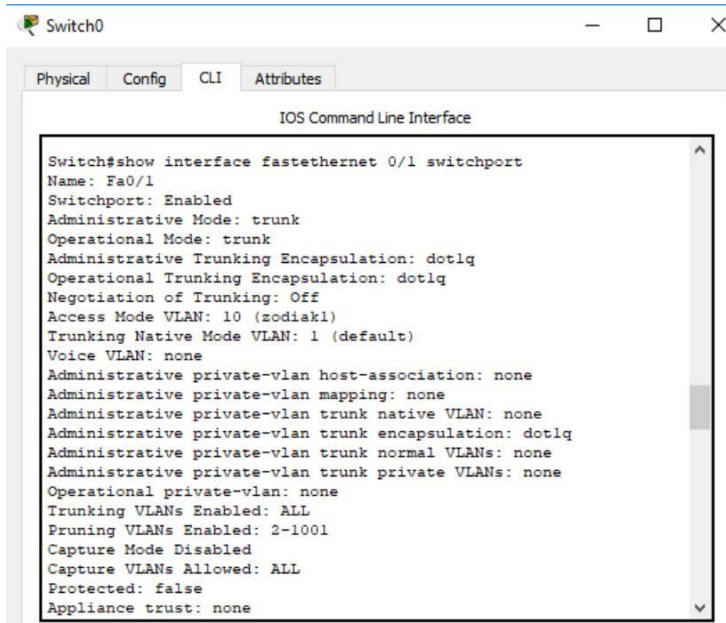
6. Lakukan konfigurasi VLAN trunking pada switch 1



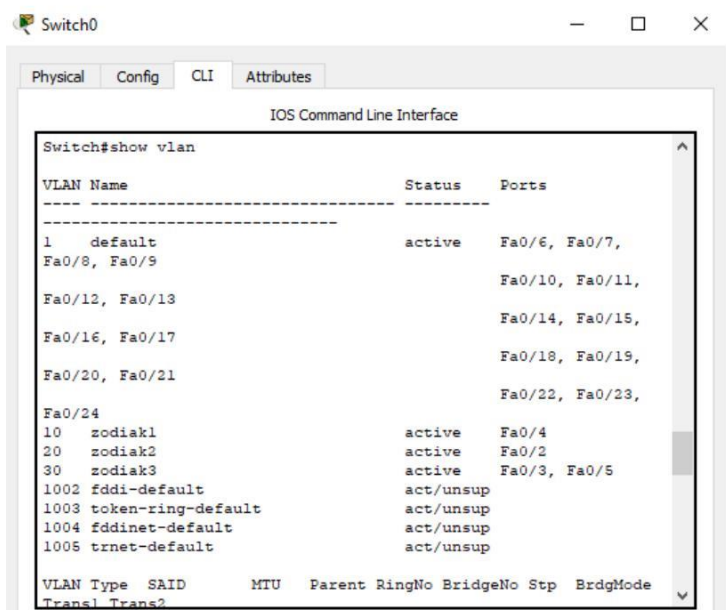
```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface
Switch#conf term
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa 0/1
Switch(config-if)#sw mode trunk

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
```

7. Pada mode user atau mode privileged, lihat konfigurasi trunking yang telah dibuat



```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface
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
Appliance trust: none
```



```
Switch0
Physical Config CLI Attributes
IOS Command Line Interface
Switch#show vlan

VLAN Name                Status    Ports
-----
1    default                active    Fa0/6, Fa0/7,
Fa0/8, Fa0/9
Fa0/12, Fa0/13
Fa0/16, Fa0/17
Fa0/20, Fa0/21
Fa0/24
10   zodiak1                 active    Fa0/4
20   zodiak2                 active    Fa0/2
30   zodiak3                 active    Fa0/3, Fa0/5
1002 fddi-default          act/unsup
1003 token-ring-default   act/unsup
1004 fddinet-default      act/unsup
1005 trnet-default         act/unsup

VLAN Type  SAID      MTU    Parent RingNo BridgeNo Stp    BrdgMode
Transl Trans2
```

8. Lakukan ping ke PC leo ke PC pisces

```
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),
```

8A. ping antar PC leo ke PC pisces request timed out karena PC leo dan PC pisces tidak dapat terkoneksi/terhubung akibat berbeda VLAN

9. Lakukan konfigurasi VLAN trunking pada switch 2 seperti langkah 6

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

10. Pada mode user atau mode privileged, lihat konfigurasi VLAN pada switch 2

```
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
1002 fddi-default        act/unsup
1003 token-ring-default  act/unsup
1004 fddinet-default     act/unsup
1005 trnet-default        act/unsup

VLAN Type  SAID          MTU   Parent RingNo BridgeNo Stp  BrdgMode
Trans1 Trans2
-----
1    enet      100001       1500  -    -    -    -    -
1002 fddi     101002       1500  -    -    -    -    -
1003 tr      101003       1500  -    -    -    -    -
1004 fdnet   101004       1500  -    -    -    ieee -
1005 trnet   101005       1500  -    -    -    ibm  -
```

```
VLAN Type  SAID          MTU   Parent RingNo BridgeNo Stp  BrdgMode
Trans1 Trans2
-----
1    enet      100001       1500  -    -    -    -    -
1002 fddi     101002       1500  -    -    -    -    -
1003 tr      101003       1500  -    -    -    -    -
1004 fdnet   101004       1500  -    -    -    ieee -
1005 trnet   101005       1500  -    -    -    ibm  -

VLAN Type  SAID          MTU   Parent RingNo BridgeNo Stp  BrdgMode
Trans1 Trans2
-----
Remote SPAN VLANs
-----
```


11. Pada mode configuration, konfigurasi port-port switch ke dalam VLAN zodiak1, zodiak2, dan zodiak3 dengan anggota sebagai berikut
- Zodiak1 = aquarius dan gemini
 - Zodiak2 = cancer dan sagitarius
 - Zodiak3 = capricornus dan pisces

```
Switch(config-vlan)#exit
Switch(config)#int fa 0/1
Switch(config-if)#sw mode access
Switch(config-if)#%SPANTREE-2-RECV_FVID_ERR: Received 802.1Q BPDU
on non trunk FastEthernet0/1 VLAN1.

%SPANTREE-2-BLOCK_FVID_LOCAL: Blocking FastEthernet0/1 on
VLAN0001. Inconsistent port type.

sw access
% Incomplete command.
Switch(config-if)#sw access vlan 10
Switch(config-if)#exit
Switch(config)#int fa 0/4
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 10
Switch(config-if)#exit
Switch(config)#int fa 0/2
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#exit
Switch(config)#
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/1 (10), with Switch FastEthernet0/1 (1).
```

```
Switch(config)#int fa 0/3
Switch(config-if)#sw mode access
Switch(config-if)#sw access vlan 20
Switch(config-if)#sw access vlan 30
Switch(config-if)#
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/1 (10), with Switch FastEthernet0/1 (1).

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

%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on
FastEthernet0/1 (10), with Switch FastEthernet0/1 (1).
```

12. Lakukan ping dari PC leo ke PC aries, PC leo ke PC aquarius, PC leo ke PC pisces, PC libra ke cancer, dan PC libra ke PC leo
+ 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),
```

+ 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),
```

+ 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),
```

+ Libra ke Cancer

```
Packet Tracer PC Command Line 1.0
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),
```

+ Libra ke Leo

```
C:\>ping 172.21.1.1

Pinging 172.21.1.1 with 32 bytes of data:

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

Ping statistics for 172.21.1.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

12A. Hasil ping dari PC Leo ke PC aries, PC Aquarius, PC Pisces, dan PC libra ke cancer, PC Leo RTO semua karena berbeda VLAN antara satu dengan yang lain.