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**KELAS : D**

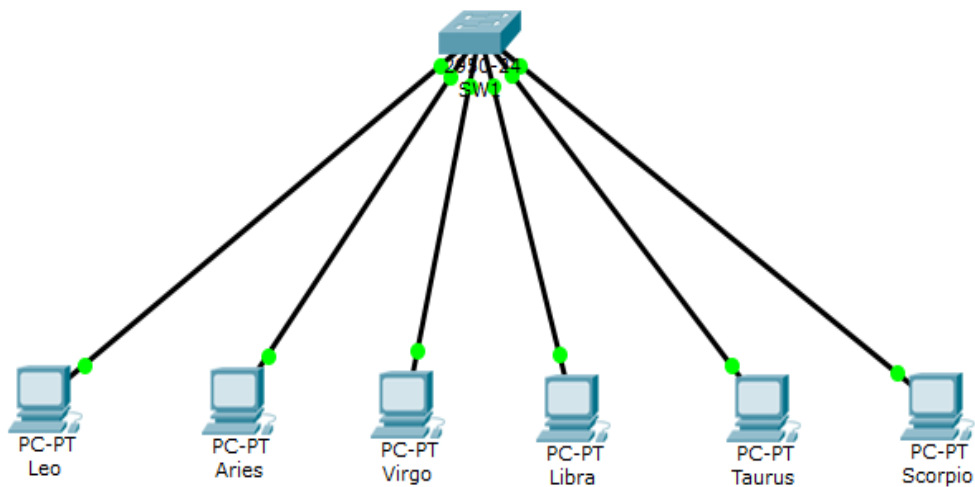
## **PRAKTIKUM JARINGAN KOMPUTER**

### **VIRTUAL LAN DAN TRUNKING**

#### **Modul 4**

##### **Kegiatan 1 : 1. Topologi 1**

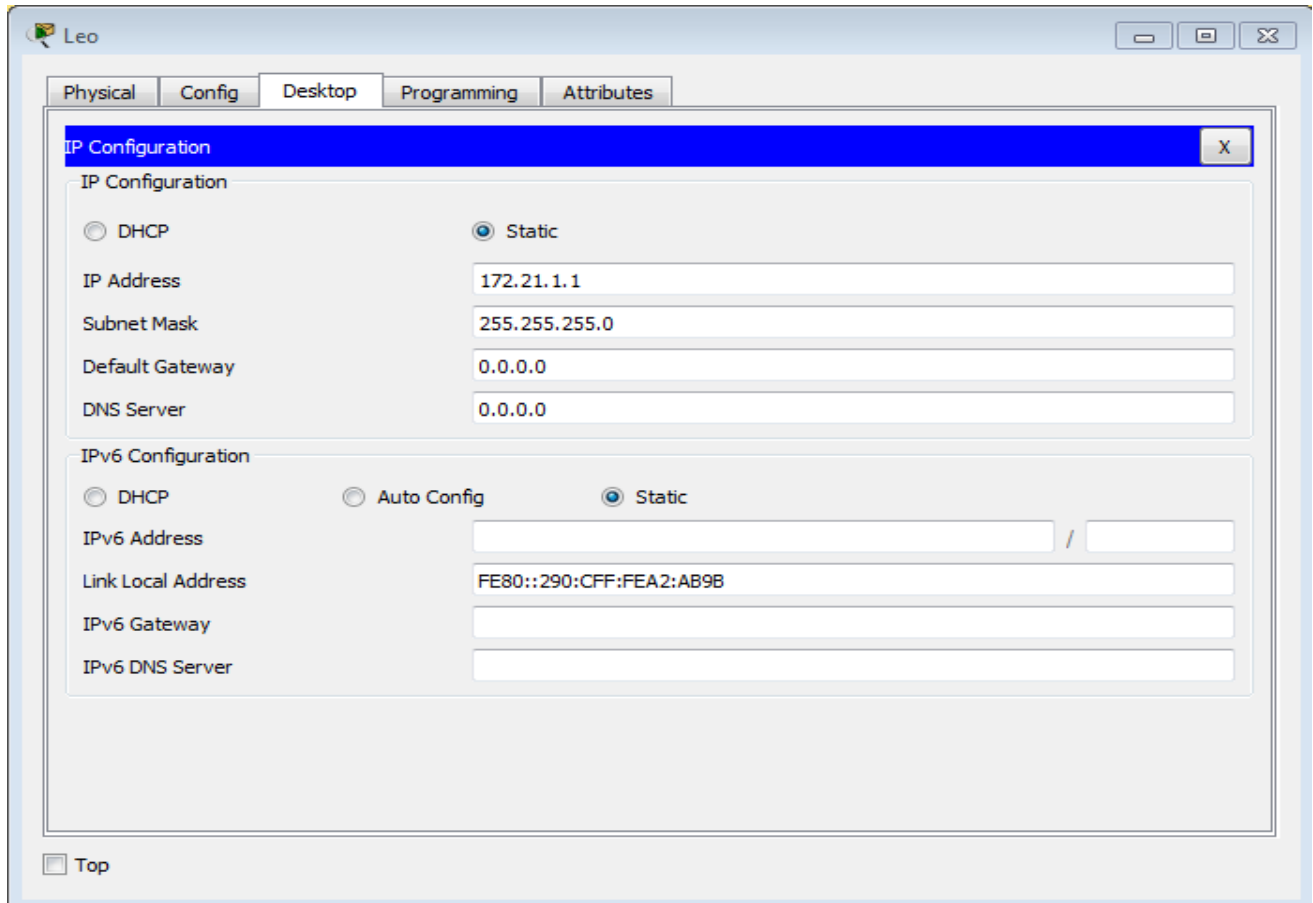
1. Membuat topologi berikut ini menggunakan packet tracer
2. Memberi nama masing masing perangkat
  - a. Switch : SW
  - b. Pc0 : Leo
  - c. Pc1 : Aries
  - d. Pc2 : Virgo
  - e. Pc3 : Libra
  - f. Pc4 : Taurus
  - g. Pc5 : Scorpio



3. Merubah konfigurasi tiap PC

- a. Leo : 172.21.1.1/24
- b. Aries : 172.21.1.2/24
- c. Virgo : 172.21.1.3/24
- d. Libra : 172.21.1.4/24
- e. Taurus : 172.21.1.5/24
- f. Scorpio: 172.21.1.6/24

/24 maksudnya adalah masuk kelas c



Aries

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address 172.21.1.2

Subnet Mask 255.255.255.0

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:A3FF:FE7E:1606

IPv6 Gateway

IPv6 DNS Server

Top

Virgo

Physical Config Desktop Programming Attributes

IP Configuration

IP Configuration

☐ DHCP ☒ 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

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::201:C9FF:FE64:C6CA

IPv6 Gateway

IPv6 DNS Server

Top

Libra

Physical Config Desktop Attributes Software/Services

### IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 172.21.1.4

Subnet Mask: 255.255.255.0

Default Gateway:

DNS Server:

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::2D0:D3FF:FE09:8B82

IPv6 Gateway:

IPv6 DNS Server:

☐ Top

Activ

Taurus

Physical Config Desktop Programming Attributes

### IP Configuration

IP Configuration

☐ DHCP ☒ Static

IP Address: 172.21.1.5

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

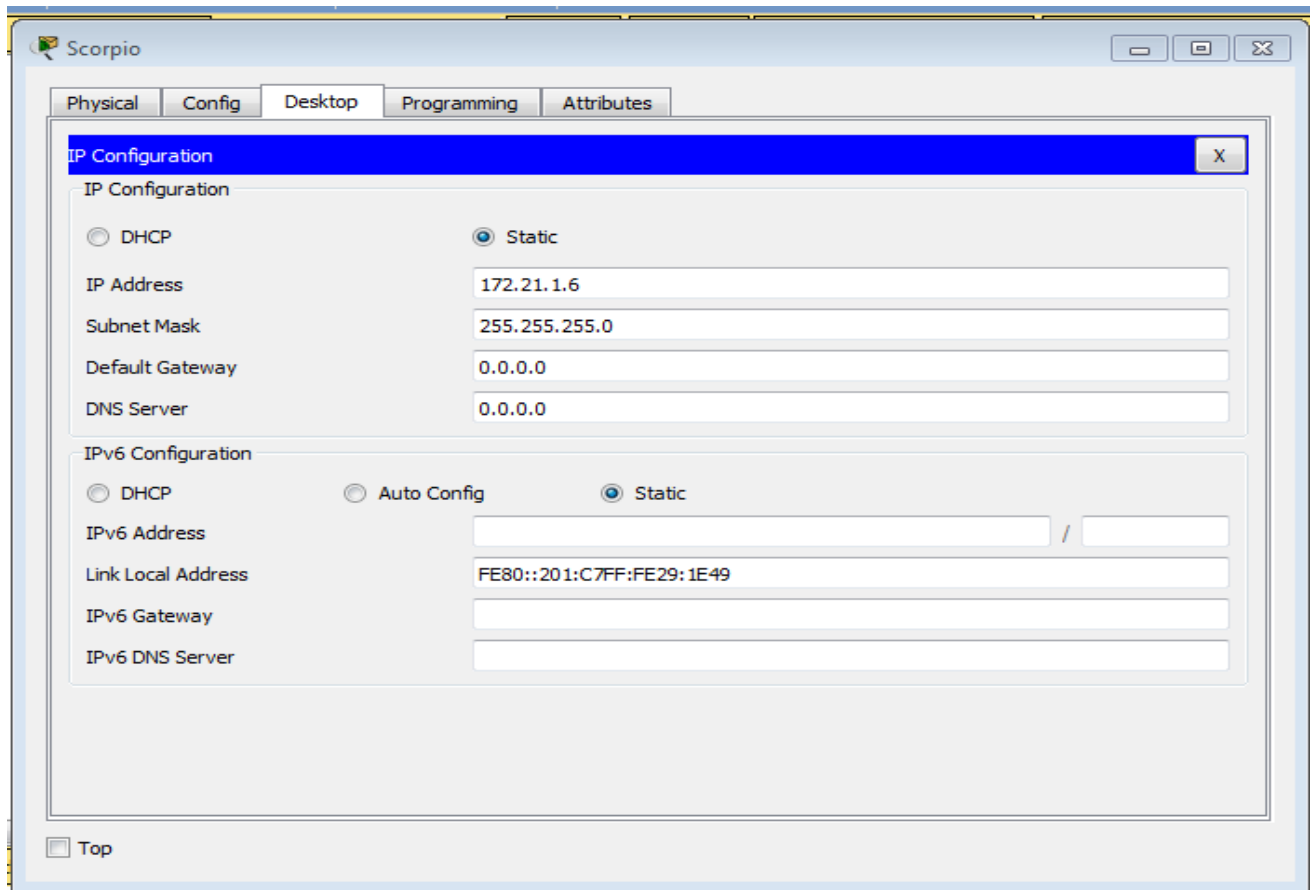
IPv6 Address: /

Link Local Address: FE80::260:5CFF:FE96:CB00

IPv6 Gateway:

IPv6 DNS Server:

☐ Top



4. Membuat 3 buah Vlan dengan nama zodiak1, zodiak2, dan zodiak3
5. Selanjutnya pada mode konfigurasi, kelompokkan port-port switch ke dalam VLAN zodiak1, zodiak2, dan zodiak3. Pengaturannya 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 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
  
```

6. Menampilkan informasi Vlan secara keseluruhan

```

Switch#
%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#show vlan id 10

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

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

7. Menampilkan informasi vlan 10, 20,dan 30

```
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

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

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#
```