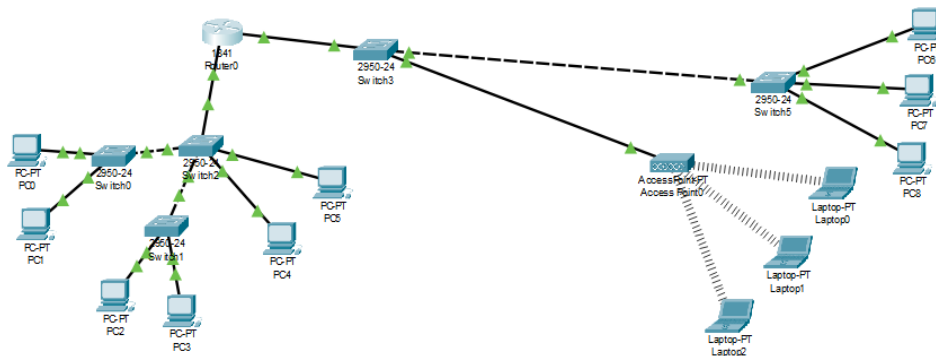


Nama : Tarisa Dwi Septia  
NIM : 205410126  
Jenjang / Kelas : S1 / TI 3

## PRAKTIK KE-6

### 1. Membuat Topologi



### 2. Membuat 2 pool masing masing untuk alamat jaringan

```
Router1
Physical Config CLI Attributes
IOS Command Line Interface
Copyright (c) 1986-2007 by Cisco Systems, Inc.
Compiled Wed 18-Jul-07 04:52 by pt_team

--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip dhcp pool A
Router(dhcp-config)#network 173.16.0.0 255.255.0.0
Router(dhcp-config)#default-router 173.16.0.1
Router(dhcp-config)#exit
Router(config)#ip dhcp pool B
Router(dhcp-config)#network 199.188.37.0 255.255.255.0
Router(dhcp-config)#default-router 199.188.37.1
Router(dhcp-config)#exit
Router(config)#
```

### 3. Setting IP port router

```
Router1
Physical Config CLI Attributes
IOS Command Line Interface

Router(dhcp-config)#default-router 199.188.37.1
Router(dhcp-config)#exit
Router(config)#interface fa0/0
Router(config-if)#ip address 173.16.0.1 255.255.0.0
Router(config-if)#no shutdown

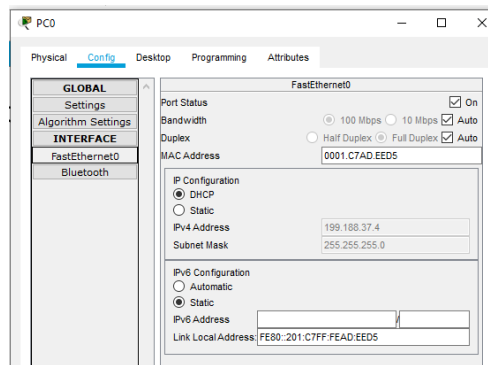
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0,
changed state to up

Router(config-if)#exit
Router(config)#interface fa0/1
Router(config-if)#ip address 199.188.37.1 255.255.255.0
Router(config-if)#no shutdown

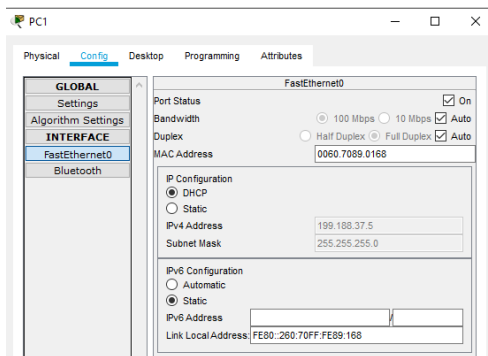
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
```

#### 4. Konfigurasi IP dengan DHCP

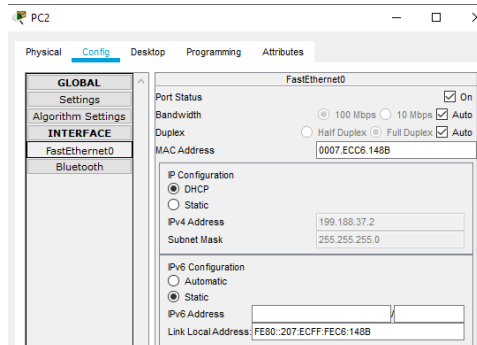
##### - PC 0



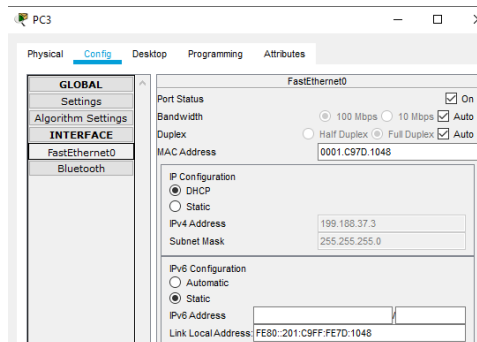
##### - PC 1



##### - PC 2



##### - PC3



- PC 4

PC4

Physical **Config** Desktop Programming Attributes

**GLOBAL**  
Settings  
Algorithm Settings  
**INTERFACE**  
FastEthernet0  
Bluetooth

**FastEthernet0**

Port Status ☒ On  
Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto  
Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto  
MAC Address 0001.9ECA.DE4B

IP Configuration  
☒ DHCP  
☐ Static  
IPv4 Address 169.254.222.75  
Subnet Mask 255.255.0.0

IPv6 Configuration  
☐ Automatic  
☒ Static  
IPv6 Address  
Link Local Address FE80::201:96FF:FECA:DE4B

- PC 5

PC5

Physical **Config** Desktop Programming Attributes

**GLOBAL**  
Settings  
Algorithm Settings  
**INTERFACE**  
FastEthernet0  
Bluetooth

**FastEthernet0**

Port Status ☒ On  
Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto  
Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto  
MAC Address 00E0.8F75.1AC0

IP Configuration  
☒ DHCP  
☐ Static  
IPv4 Address 199.188.37.7  
Subnet Mask 255.255.255.0

IPv6 Configuration  
☐ Automatic  
☒ Static  
IPv6 Address  
Link Local Address FE80::2E0:8FFF:FE75:1AC0

- PC 6

PC6

Physical **Config** Desktop Programming Attributes

**GLOBAL**  
Settings  
Algorithm Settings  
**INTERFACE**  
FastEthernet0  
Bluetooth

**FastEthernet0**

Port Status ☒ On  
Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto  
Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto  
MAC Address 0060.2F12.85B8

IP Configuration  
☒ DHCP  
☐ Static  
IPv4 Address 173.16.0.5  
Subnet Mask 255.255.0.0

IPv6 Configuration  
☐ Automatic  
☒ Static  
IPv6 Address  
Link Local Address FE80::260:2FFF:FE12:85B8

- PC 7

PC7

Physical **Config** Desktop Programming Attributes

**GLOBAL**  
Settings  
Algorithm Settings  
**INTERFACE**  
FastEthernet0  
Bluetooth

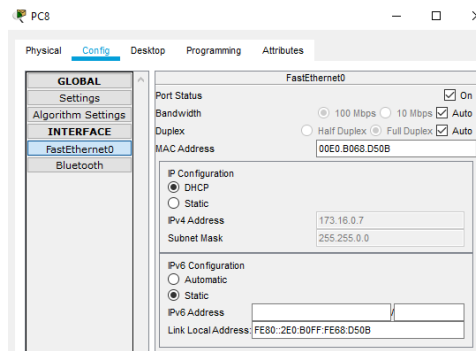
**FastEthernet0**

Port Status ☒ On  
Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto  
Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto  
MAC Address 00E0.F766.AEDA

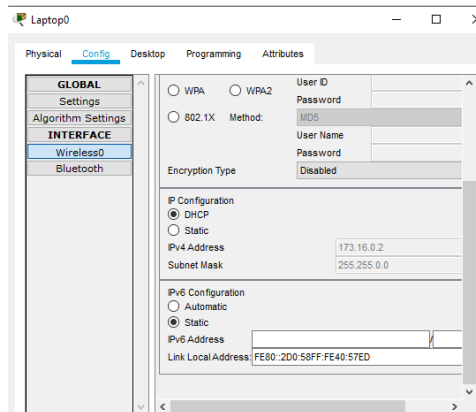
IP Configuration  
☒ DHCP  
☐ Static  
IPv4 Address 173.16.0.6  
Subnet Mask 255.255.0.0

IPv6 Configuration  
☐ Automatic  
☒ Static  
IPv6 Address  
Link Local Address FE80::2E0:F7FF:FE66:AEDA

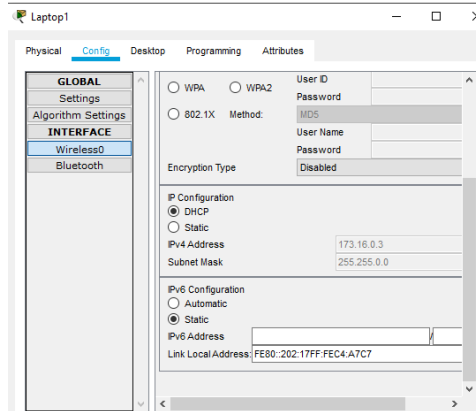
- PC 8



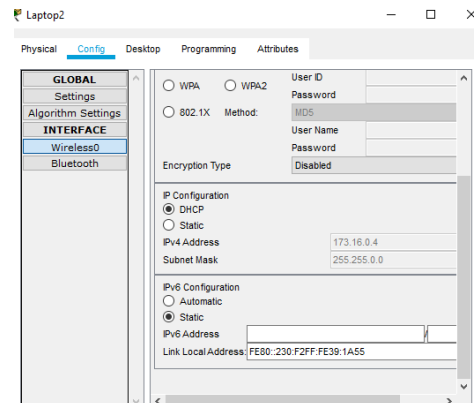
- Laptop 0



- Laptop 1

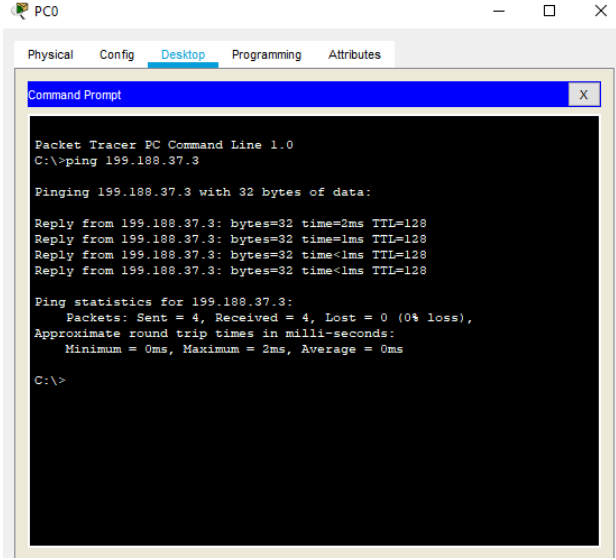


- Laptop 2



## 5. Tes Ping

- Pc 0 ke PC6



The screenshot shows a Packet Tracer PC Command Line window for PC0. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, showing a Command Prompt window. The Command Prompt displays the output of a ping command from PC0 to PC6 (199.188.37.3). The output shows four successful replies with 0% loss and a round trip time of 0ms.

```
Packet Tracer PC Command Line 1.0
C:\>ping 199.188.37.3

Pinging 199.188.37.3 with 32 bytes of data:

Reply from 199.188.37.3: bytes=32 time=2ms TTL=128
Reply from 199.188.37.3: bytes=32 time=1ms TTL=128
Reply from 199.188.37.3: bytes=32 time<1ms TTL=128
Reply from 199.188.37.3: bytes=32 time<1ms TTL=128

Ping statistics for 199.188.37.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>
```