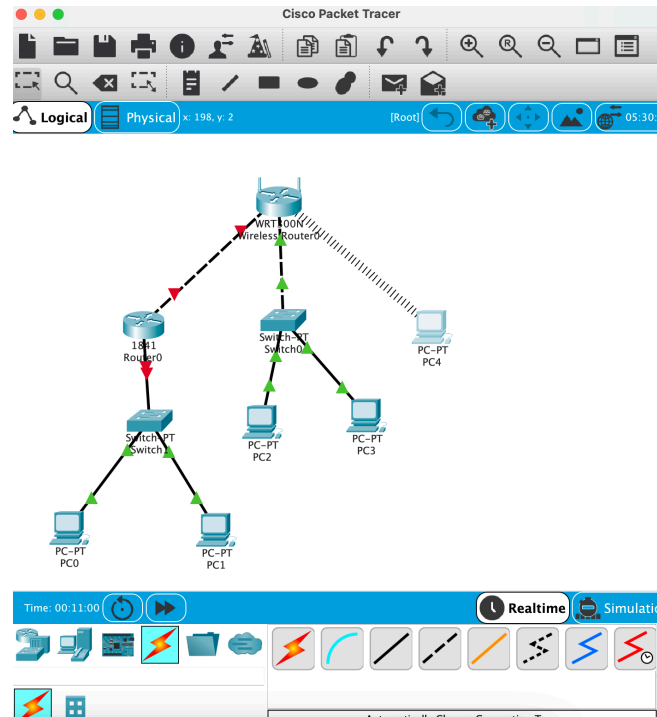


c) Konfigurasi Router-Access Point (Non-Kabel)

1) Membuat simulasi seperti yang ada di modul materi.



2) Konfigurasi IP address dan subnet mask sesuai ketentuan modul.

a. PC0

```
Packet Tracer PC Command Line 1.0
C:\>ipconfig 172.16.0.2 255.255.0.0
C:\>ipconfig

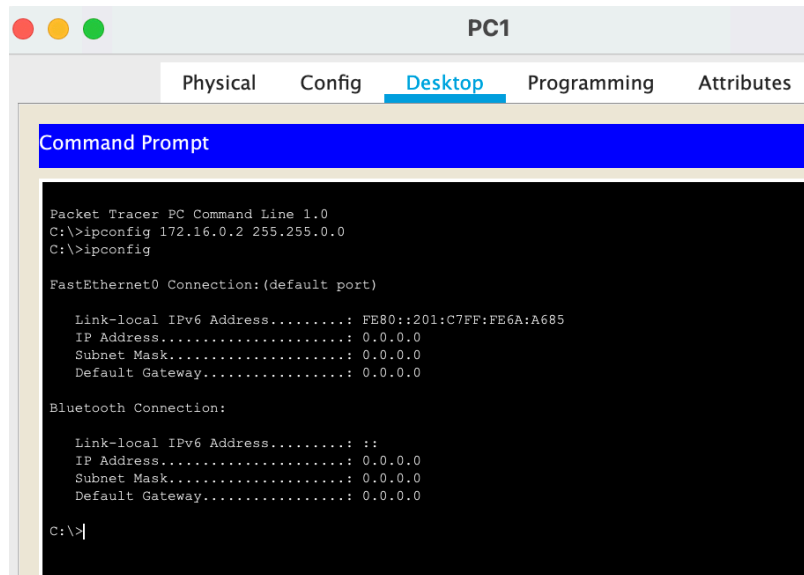
FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::2D0:97FF:FECD:7CA4
IP Address.....: 172.16.0.2
Subnet Mask.....: 255.255.0.0
Default Gateway.....: 172.16.0.1

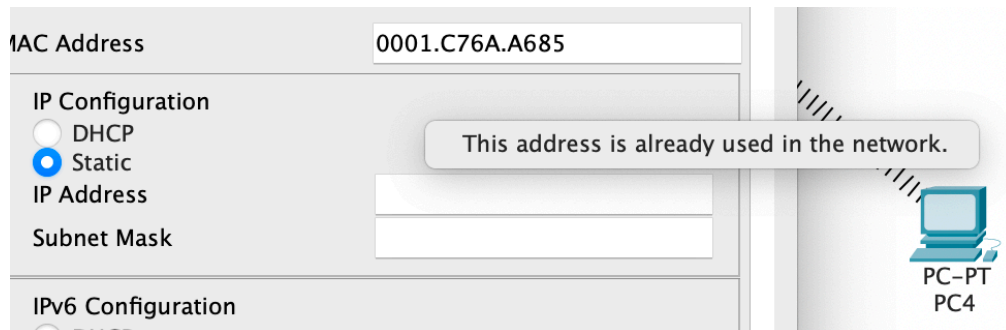
Bluetooth Connection:

Link-local IPv6 Address.....: ::
IP Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: 0.0.0.0
```

b. PC1: Pada saat saya melakukan konfigurasi IP Address melalui cmd, tidak berhasil.
Seperti terlihat pada gambar di bawah ini:

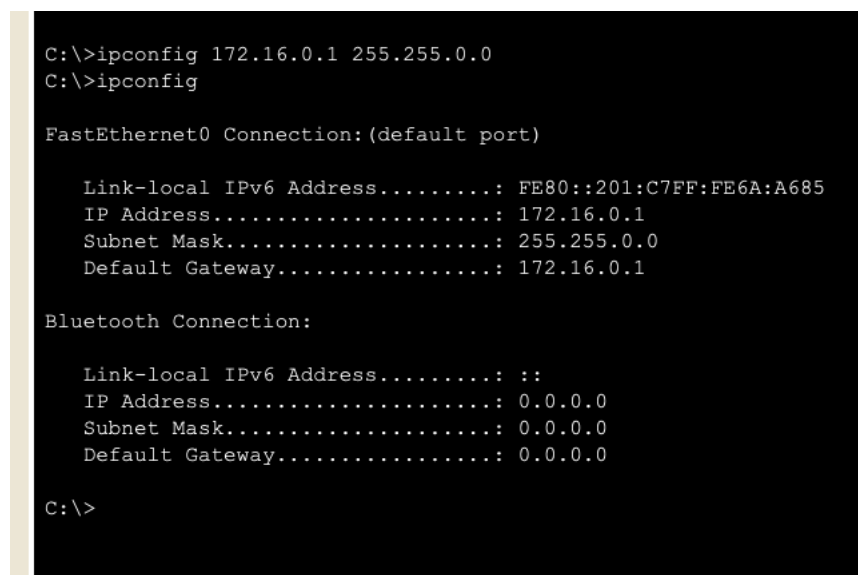


Kemudian saya coba konfigurasi melalui tab config. Kemudian muncul seperti gambar di bawah ini.

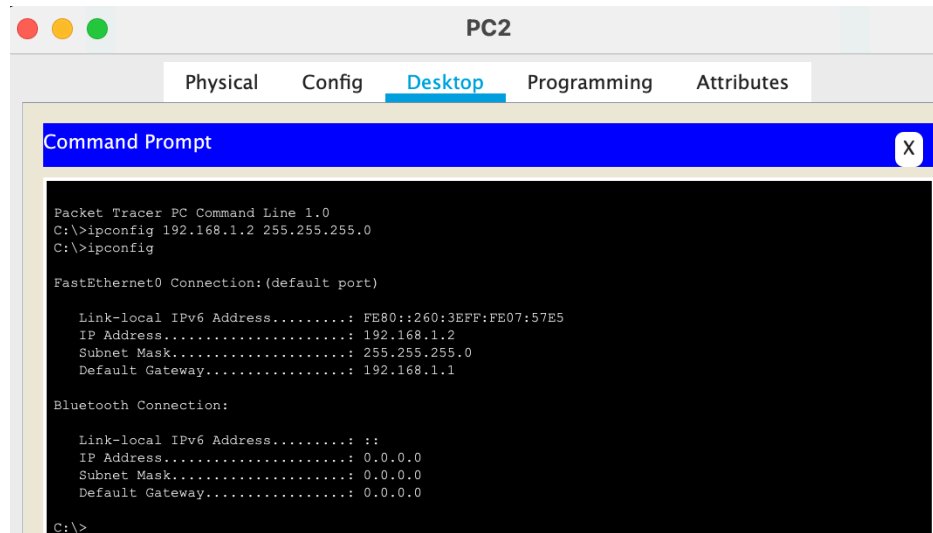


Dari gambar di atas menampilkan pesan bahwa alamat tersebut telah digunakan pada jaringan lain dan setelah saya cek kembali bahwa memang sudah digunakan pada PC1. Karna hal ini, saya memutuskan untuk menggunakan alamat berbeda. Yaitu:

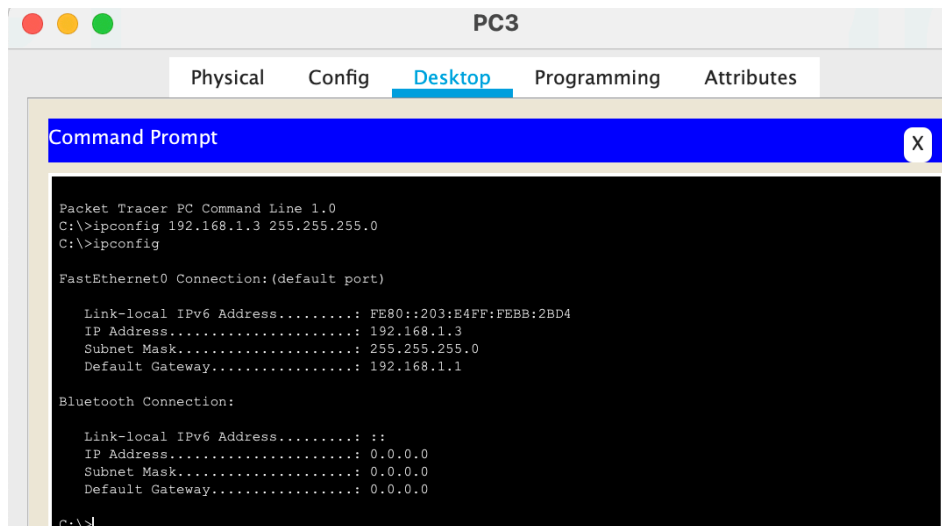
171.16.0.1 255.255.0.0.



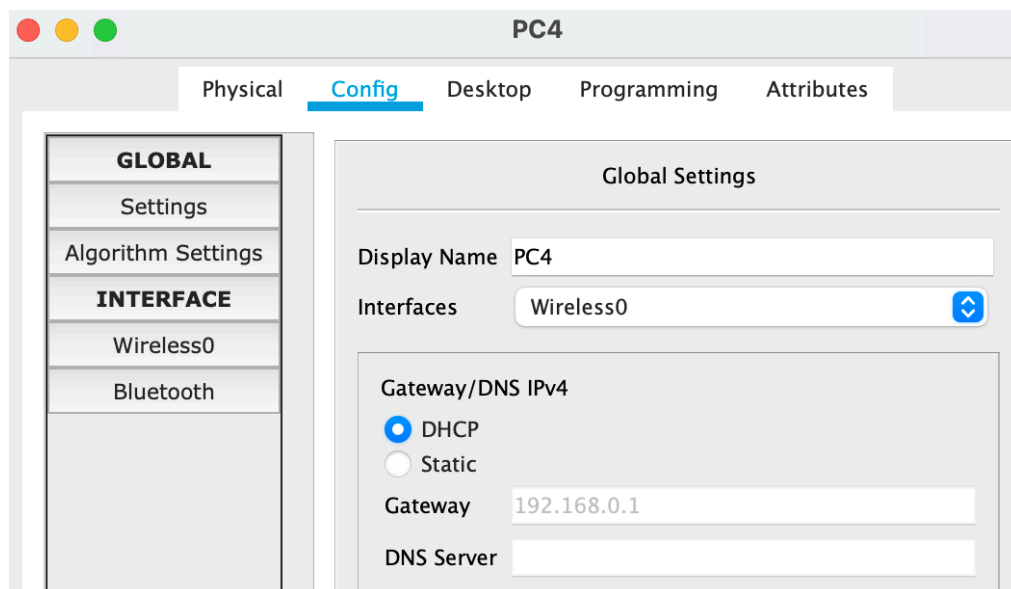
c. PC2



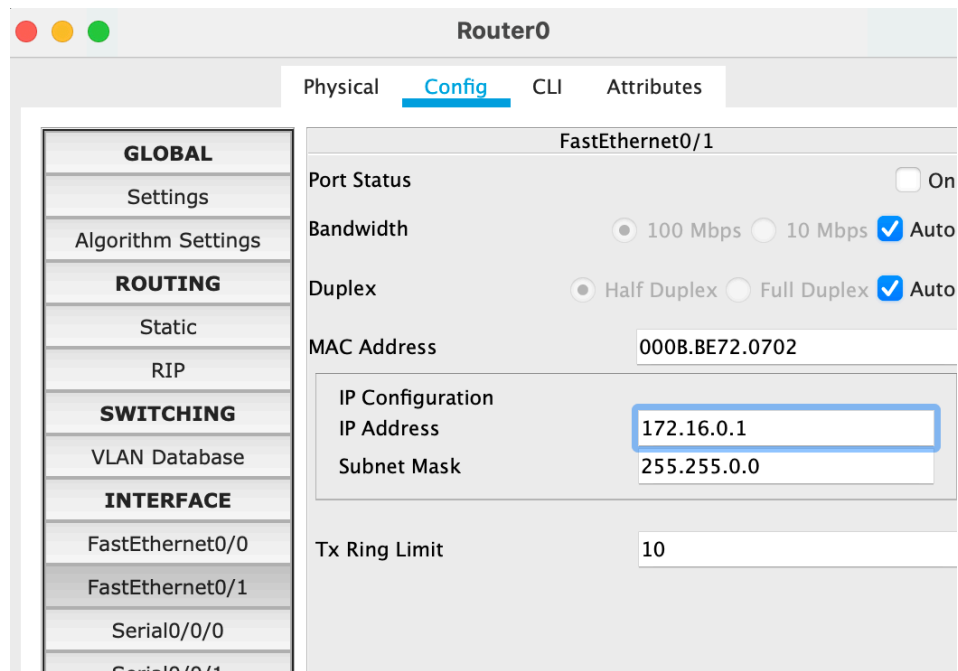
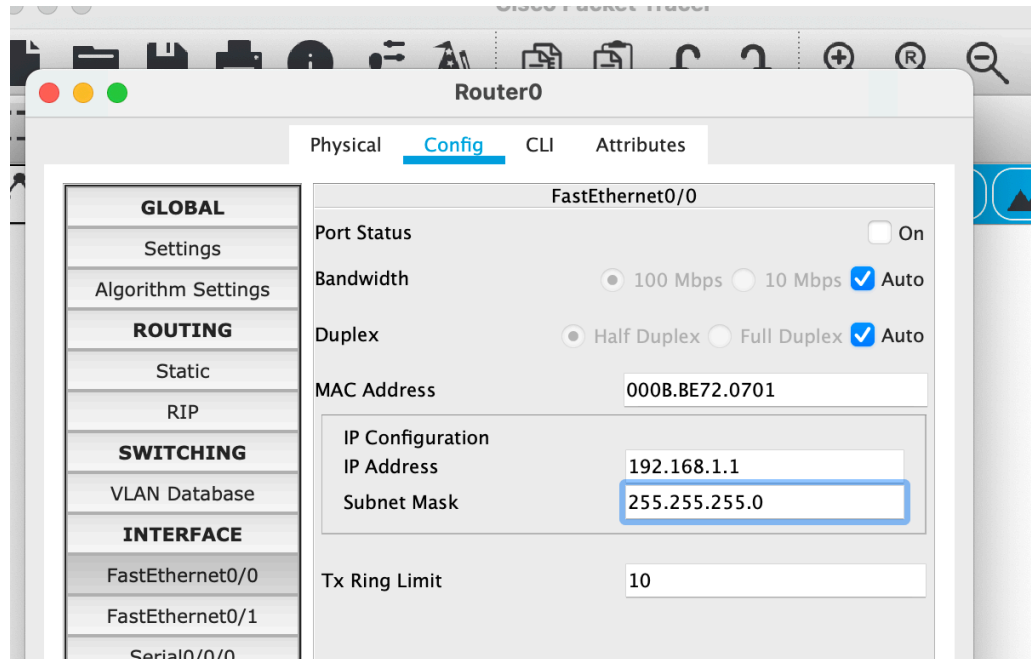
d. PC3



e. PC4



f. Router0



g. Wireless Router0

Wireless Router0

Physical Config GUI Attributes

Optional Settings
(required by some internet service providers)

Network Setup

Router IP

DHCP Server Settings

Host Name:

Domain Name:

MTU: Size: 1500

IP Address: . . .

Subnet Mask:

DHCP Server: ☒ Enabled ☐ Disabled DHCP Reservation

Start IP Address:

3) Test Koneksi

a. Koneksi antara PC0 dengan PC1: berhasil.

PC0

Physical Config Desktop Progra

Command Prompt

```

Packet Tracer PC Command Line 1.0
C:\>ipconfig 172.16.0.2 255.255.0.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

    Link-local IPv6 Address.....: FE80::2D0:97FF:FECB:7CA4
    IP Address.....: 172.16.0.2
    Subnet Mask.....: 255.255.0.0
    Default Gateway.....: 172.16.0.1

Bluetooth Connection:

    Link-local IPv6 Address.....: ::
    IP Address.....: 0.0.0.0
    Subnet Mask.....: 0.0.0.0
    Default Gateway.....: 0.0.0.0

C:\>ping 172.16.0.2

Pinging 172.16.0.2 with 32 bytes of data:

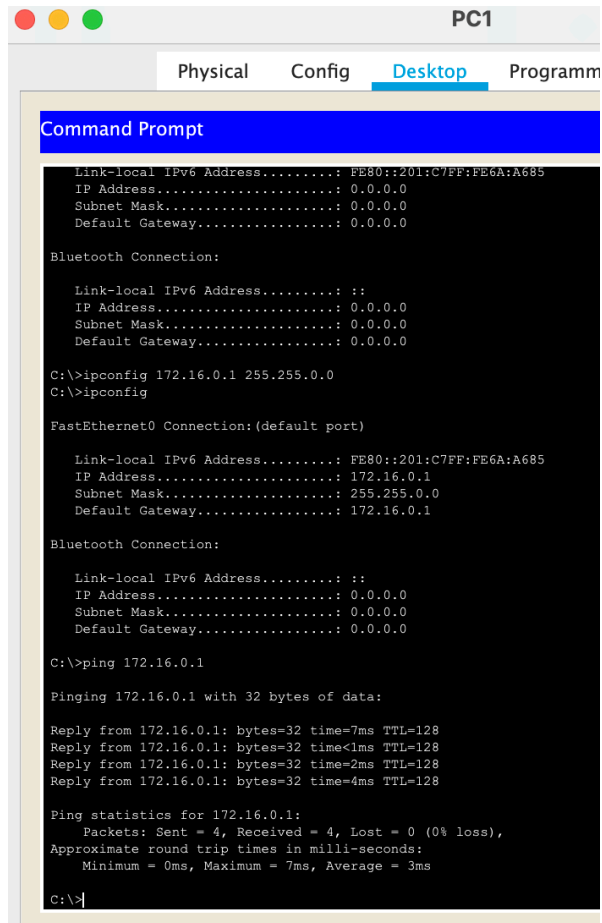
Reply from 172.16.0.2: bytes=32 time=16ms TTL=128
Reply from 172.16.0.2: bytes=32 time<1ms TTL=128
Reply from 172.16.0.2: bytes=32 time=1ms TTL=128
Reply from 172.16.0.2: bytes=32 time=2ms TTL=128

Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 16ms, Average = 4ms

C:\>

```

b. PC1 dengan PC2



The screenshot shows a window titled "PC1" with four tabs: "Physical", "Config", "Desktop", and "Programs". The "Desktop" tab is active, displaying a "Command Prompt" window. The command prompt shows the configuration of network settings for the FastEthernet0 interface. It displays the Link-local IPv6 Address, IP Address, Subnet Mask, and Default Gateway for both the Bluetooth and FastEthernet0 connections. The FastEthernet0 connection is configured with IP Address 172.16.0.1, Subnet Mask 255.255.0.0, and Default Gateway 172.16.0.1. The output also shows the results of a ping command to 172.16.0.1, indicating successful connectivity with 0% loss.

```
PC1
Physical Config Desktop Programs
Command Prompt
Link-local IPv6 Address.....: FE80::201:C7FF:FE6A:A685
IP Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: 0.0.0.0

Bluetooth Connection:

Link-local IPv6 Address.....: ::
IP Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: 0.0.0.0

C:\>ipconfig 172.16.0.1 255.255.0.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

Link-local IPv6 Address.....: FE80::201:C7FF:FE6A:A685
IP Address.....: 172.16.0.1
Subnet Mask.....: 255.255.0.0
Default Gateway.....: 172.16.0.1

Bluetooth Connection:

Link-local IPv6 Address.....: ::
IP Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: 0.0.0.0

C:\>ping 172.16.0.1

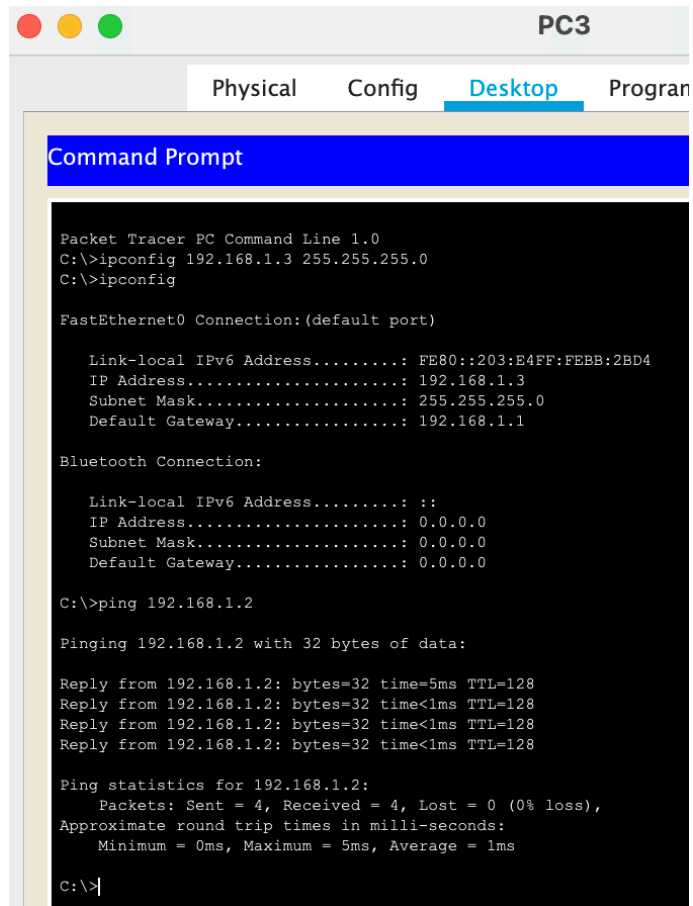
Pinging 172.16.0.1 with 32 bytes of data:

Reply from 172.16.0.1: bytes=32 time=7ms TTL=128
Reply from 172.16.0.1: bytes=32 time<1ms TTL=128
Reply from 172.16.0.1: bytes=32 time=2ms TTL=128
Reply from 172.16.0.1: bytes=32 time=4ms TTL=128

Ping statistics for 172.16.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 7ms, Average = 3ms

C:\>
```

c. PC2 dengan PC3



PC3

Physical Config **Desktop** Program

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ipconfig 192.168.1.3 255.255.255.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

    Link-local IPv6 Address.....: FE80::203:E4FF:FEBB:2BD4
    IP Address.....: 192.168.1.3
    Subnet Mask.....: 255.255.255.0
    Default Gateway.....: 192.168.1.1

Bluetooth Connection:

    Link-local IPv6 Address.....: ::
    IP Address.....: 0.0.0.0
    Subnet Mask.....: 0.0.0.0
    Default Gateway.....: 0.0.0.0

C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=5ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 1ms

C:\>|
```

- 4) Save file dengan nama router_ap6.

