LAPORAN AWAL

JARINGAN KOMPUTER

LAPORAN KE -1

Di Susun Oleh :

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Kelas : 04TPLE004

TEKNIK INFORMATIKA

FAKULTAS TEKNIK

UNIVERSITAS PAMULANG

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Tangerang Selatan - Banten

Nama	**: Risky Fauziah**	**Mata Kuliah**	**: Praktikum Jaringan Komputer**
NIM	**: 171011450082**	**Tugas**	**: Pertemuan ke-2**

① Jelaskan Perbedaan dari kabel UTP RJ-45 dan kabel Coaxial!

a) Kabel UTP RJ-45 terdiri atas 4 pasang dawat medium. UTP digunakan sebagai media Networking dengan impedansi 100 ohm. UTP memiliki external 0,43 cm, hal ini memudahkan dalam hal instalasi. UTP juga mensupport arsitektur-arsitektur jaringan pada umumnya sehingga menjadi sangat populer.

b) kabel Coaxial.
Lebih populer dikenal dengan (Coax) terdiri atas konduktor silinder melingkar, yang mengelilingi sebuah kabel tembaga inti yang konduktif. untuk LAN, kabel koaksial dapat digunakan dengan tanpa banyak membutuhkan bantuan repeater sebagai penguat untuk komunikasi jarak jauh diantara node network.

② Jelaskan Perbedaan Straight-trough, Cross-over, dan Roll Over!

a) Straight-Trought merupakan salah satu kabel untuk kepentingan membangun jaringan dengan menghubungkan 2 perangkat yang berbeda. Pada umumnya memiliki cara pemasangan yang sama antara ujung yang satu dengan ujung yang lain.

b) Cross-over merupakan kebalikan dari Straight Trough. Dimana kabel ini digunakan untuk 2 perangkat yang sama. Memiliki susunan yang berbeda antara ujung yang satu dengan ujung yang lain.

c) Roll over merupakan kabel untuk menghubungkan 2 perangkat jaringan yang berbeda. Cara penggunaannya mirip straight-trought. Namun susunan kabel sangat berbeda dengan kabel lainnya.

③ Jelaskan perbedaan kabel UTP cat 5, cat 5e, cat 6!

a) UTP cat5 adalah kabel dengan standar yang diciptakan pada tahun 2001 oleh TIA/EIA-568-B. Hanya dapat melakukan transmisi data sebesar 100 Mbit/s, kapasitas maksimum ini sama dengan kapasitas kemampuan ethernet dalam mengirimkan sinyal data 100BASE-TX [era tahun 2001]

b) UTP cat5e adalah kabel yang telah ditingkatkan kemampuan menampung lebar data. maupun kemampuan mengirim data - memiliki kemampuan speed max 350 Mhz/ setara dengan 1 Gbit/s. Selain memiliki kemampuan speed 1Gbit/s, cat 5e memiliki noise yang sangat kecil ketika mengirimkan data jika dibandingkan dengan cat 5. hal ini dapat dilihat dengan minimnya waktu delay-

c) UTP cat6 adalah kabel premium, jauh lebih mahal dibanding cat5e. memiliki waktu delay nyaris 0 [nol] saat mengirim data. memiliki max panjang kabel 100 meter. max lebar 200 meter. & max lebar data 10 Gbit/s.

(KIEV) Tomorrow will be better

④ Jelaskan kelebihan dan kekurangan jenis kabel Twisted pair Internet!

a) Kelebihan

- Instalasi kabel jaringan cukup mudah
- Pemeliharaan kabel jaringan tergolong mudah.
- Harga kabel jaringan ini tergolong mudah.

b) Kekurangan

- Jarak jangkauan kabel jaringan relatif terbatas.
- Adanya kemungkinan mudah / dapat disadap-
- Cukup rentan terhadap interfensi gelombang elektromagnetik dan mudah terpengaruh noise (gangguan)

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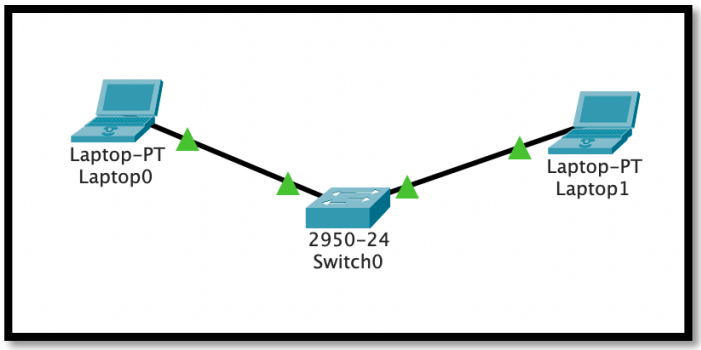
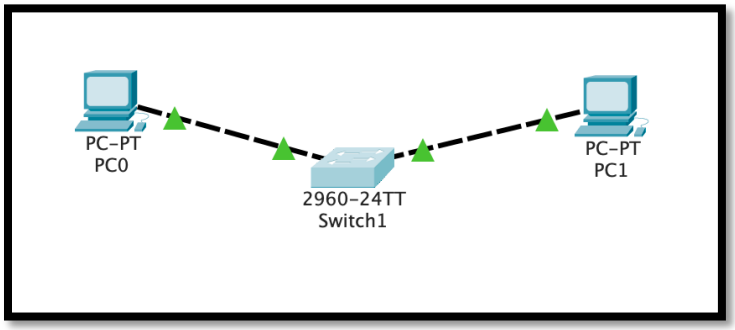
NIM	**: 171011450082**	**Tugas**	**: Pertemuan ke-3**

Kesimpulan dari praktek cisco packet tracer adalah merancang sebuah sistem atau topologi jaringan yang akan di terapkan pada dunia nyata/kerja, karena kalau kita merancang topologi jaringan komputer tanpa bantuan aplikasi seperti ini bisa membutuhkan biaya yang mahal. Makanya cisco membuat aplikasi seprti ini agar orang dapat belajar tanpa membutuhkan biaya yang mahal.

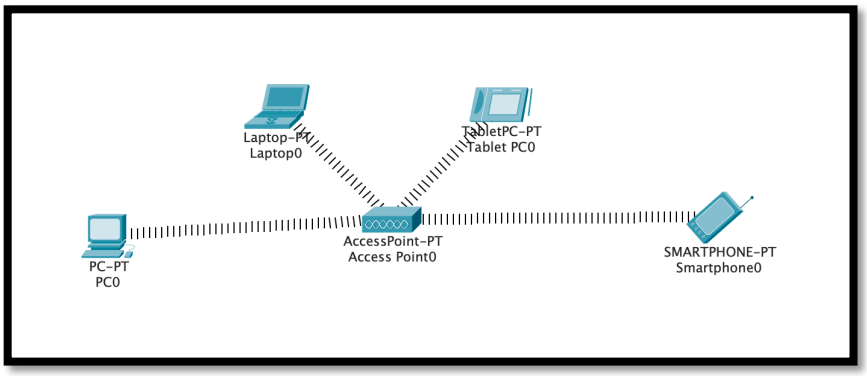
A. Konfigurasi Komputer dengan kabel Straight



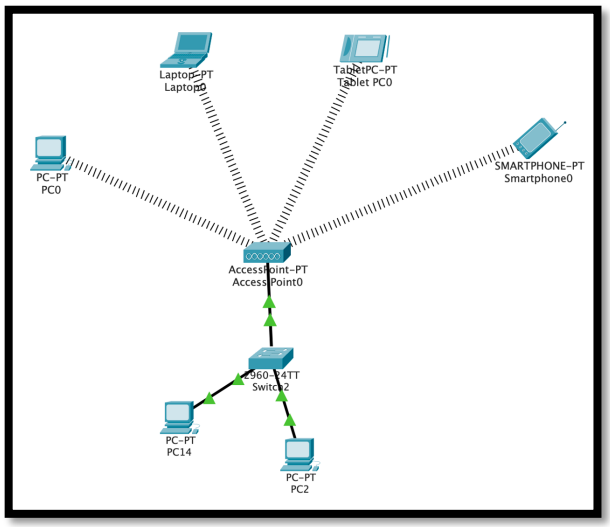
B. Konfigurasi Komputer dengan kabel Cross



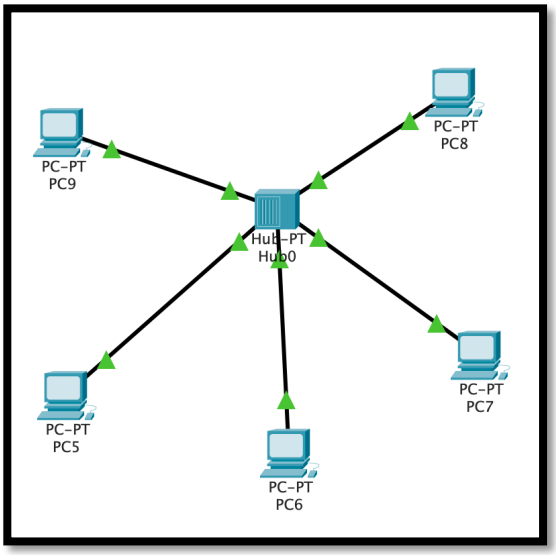
C. Konfigurasi Komputer dengan Non-Kabel (wireless)



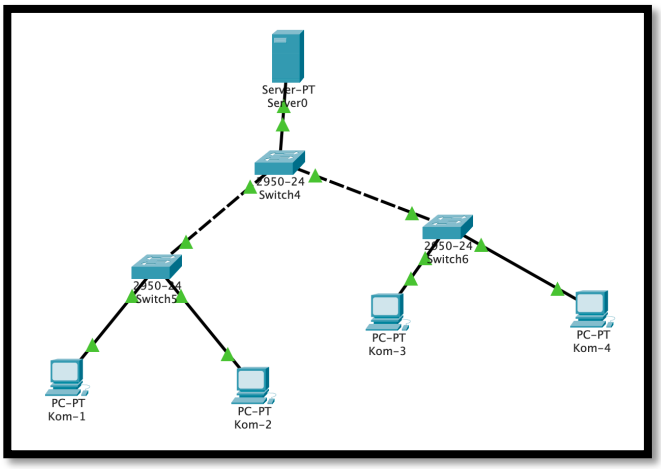
D. Konfigurasi Komputer dengan Kombinasi Kabel dan Non-Kabel



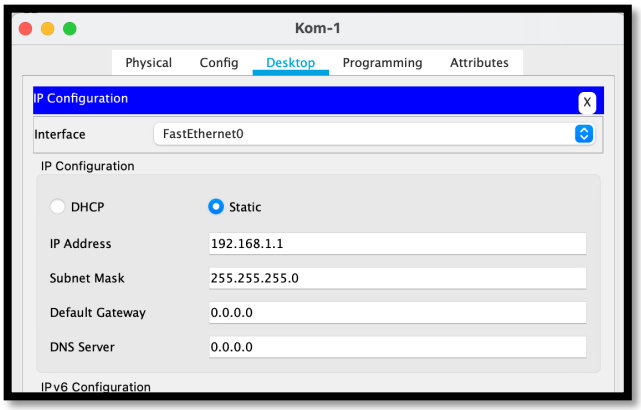
E. Membuat Topologi Star



F. Membuat Topologi Tree

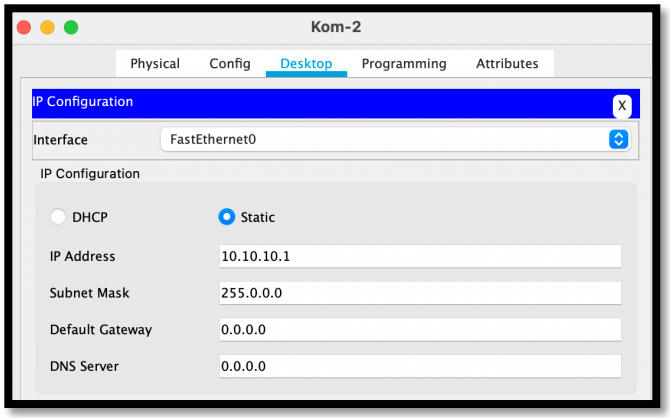


G. Buat Konfigurasi IP Address Komputer

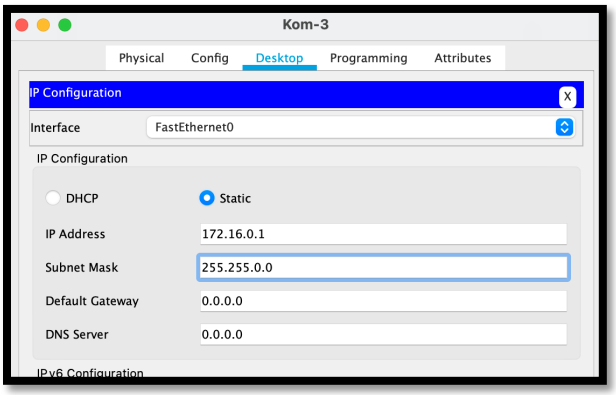


H. Buat Konfigurasi IP Address jaringan Komputer

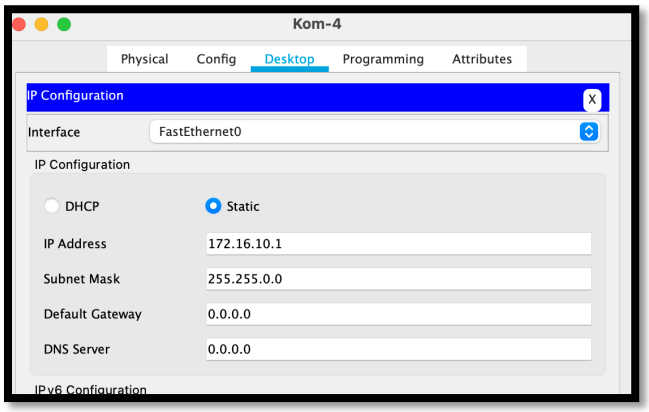
a. Kom-2



b. Kom-3


Kom-3
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
172.16.0.1
Subnet Mask
255.255.0.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration

c. Kom-4


Kom-4
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
172.16.10.1
Subnet Mask
255.255.0.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration

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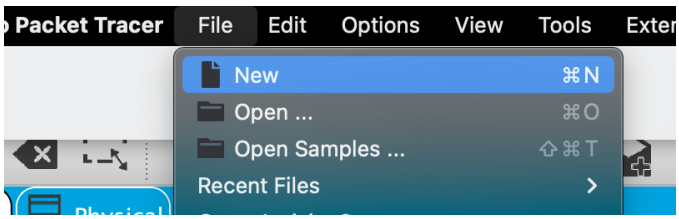
Kesimpulan:

IP Adders adalah identitas satu komputer dalam jaring computer / internet, seperti halnya rumah kita memupnyai nomer rumah yang tertempel pada dinding. Penulisan IP Adders terbagi 4 kelompok 8 bit yang dituliskan dalam bilangan biner. Dimana setiap kelompok dalam IP Adders dipisahkan oleh titik (red;Dot). Nilai terbesar dari bilangan biner 8 bit adalah 255. IP Address memiliki 2 fungsi, yakni:

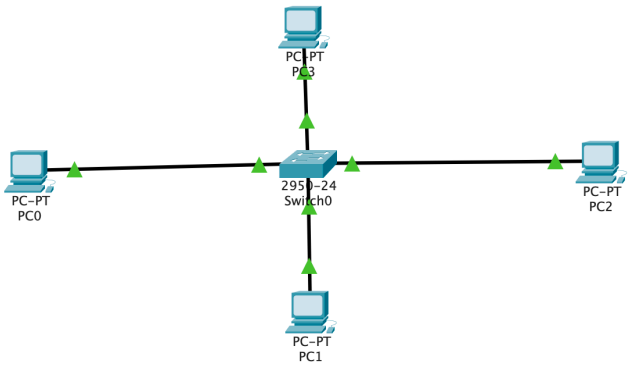
1) Sebagai alat identifikasi host atau antarmuka pada jaringan.
2) Sebagai alamat lokasi jaringan.

A. Buatlah simulasi jaringan kumputer.

1) Buka lembar kerja baru.

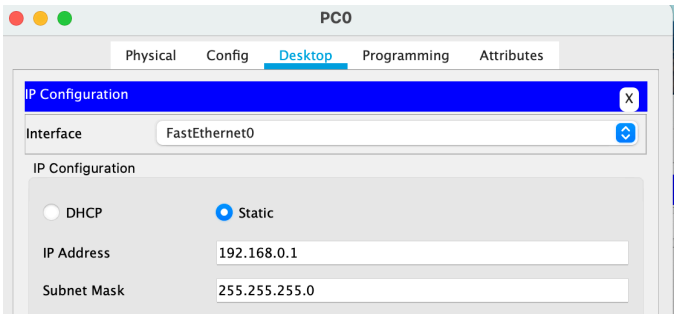


2) Tampilan simulasi jaringan komputer.

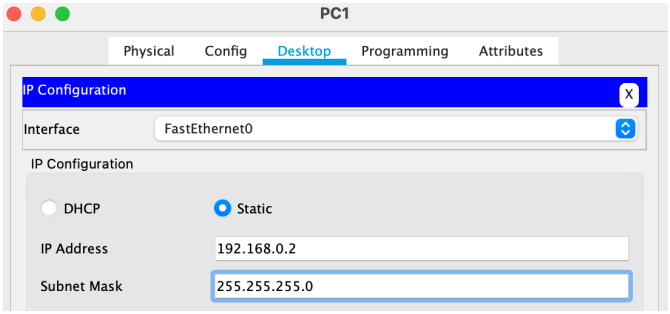


3) Konfigurasi IP Address.

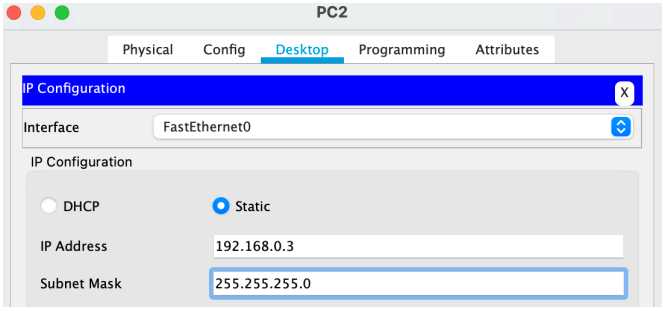
a. PC0



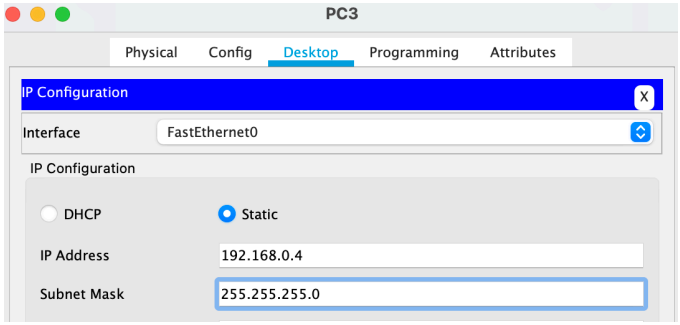
b. PC1



c. PC2



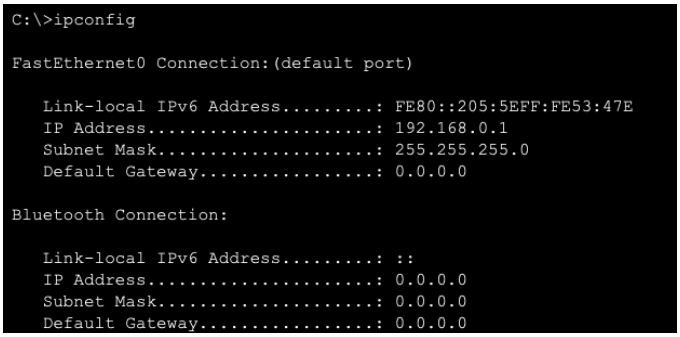
d. PC3



B. Test koneksi dengan COMMAND PROMT

1a) Perintah IPCONFIG untuk cek IP ADDRESS

a) PC0



```
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::205:5EFF:FE53:47E
   IP Address......................: 192.168.0.1
   Subnet Mask.....................: 255.255.255.0
   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
```

b) PC1

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

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2D0:FFFF:FE40:BDDC
   IP Address......................: 192.168.0.2
   Subnet Mask.....................: 255.255.255.0
   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) PC2

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

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2D0:58FF:FE29:E674
   IP Address......................: 192.168.0.3
   Subnet Mask.....................: 255.255.255.0
   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
```

d) PC3

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

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2E0:F7FF:FE44:61D1
   IP Address......................: 192.168.0.4
   Subnet Mask.....................: 255.255.255.0
   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
```

1b) Perintah PING

a) PC0

```
Pinging 127.0.0.1 with 32 bytes of data:

Reply from 127.0.0.1: bytes=32 time=1ms TTL=128
Reply from 127.0.0.1: bytes=32 time=3ms TTL=128
Reply from 127.0.0.1: bytes=32 time=1ms TTL=128
Reply from 127.0.0.1: bytes=32 time<1ms TTL=128

Ping statistics for 127.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:

Reply from 192.168.0.1: bytes=32 time=3ms TTL=128
Reply from 192.168.0.1: bytes=32 time<1ms TTL=128
Reply from 192.168.0.1: bytes=32 time=1ms TTL=128
Reply from 192.168.0.1: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\>
```

b) PC1

```
Pinging 127.0.0.1 with 32 bytes of data:

Reply from 127.0.0.1: bytes=32 time<1ms TTL=128
Reply from 127.0.0.1: bytes=32 time=2ms TTL=128
Reply from 127.0.0.1: bytes=32 time<1ms TTL=128
Reply from 127.0.0.1: bytes=32 time<1ms TTL=128

Ping statistics for 127.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>ping 192.168.0.2

Pinging 192.168.0.2 with 32 bytes of data:

Reply from 192.168.0.2: bytes=32 time=14ms TTL=128
Reply from 192.168.0.2: bytes=32 time=4ms TTL=128
Reply from 192.168.0.2: bytes=32 time=3ms TTL=128
Reply from 192.168.0.2: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 14ms, Average = 5ms
```

c) PC2

```
Pinging 127.0.0.1 with 32 bytes of data:

Reply from 127.0.0.1: bytes=32 time=2ms TTL=128
Reply from 127.0.0.1: bytes=32 time=3ms TTL=128
Reply from 127.0.0.1: bytes=32 time=1ms TTL=128
Reply from 127.0.0.1: bytes=32 time=1ms TTL=128

Ping statistics for 127.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 3ms, Average = 1ms

C:\>ping 192.168.0.3

Pinging 192.168.0.3 with 32 bytes of data:

Reply from 192.168.0.3: bytes=32 time=14ms TTL=128
Reply from 192.168.0.3: bytes=32 time<1ms TTL=128
Reply from 192.168.0.3: bytes=32 time=1ms TTL=128
Reply from 192.168.0.3: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 14ms, Average = 4ms

C:\>
```

d) PC3

```
C:\>ping 192.168.0.4

Pinging 192.168.0.4 with 32 bytes of data:

Reply from 192.168.0.4: bytes=32 time=1ms TTL=128
Reply from 192.168.0.4: bytes=32 time=1ms TTL=128
Reply from 192.168.0.4: bytes=32 time=1ms TTL=128
Reply from 192.168.0.4: bytes=32 time=5ms TTL=128

Ping statistics for 192.168.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 5ms, Average = 2ms

C:\>ping 127.0.0.1

Pinging 127.0.0.1 with 32 bytes of data:

Reply from 127.0.0.1: bytes=32 time=1ms TTL=128
Reply from 127.0.0.1: bytes=32 time=5ms TTL=128
Reply from 127.0.0.1: bytes=32 time=5ms TTL=128
Reply from 127.0.0.1: bytes=32 time=3ms TTL=128

Ping statistics for 127.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 5ms, Average = 3ms

C:\>
```

2a) Perintah IPCONFIG untuk merubah IP ADDRESS

a. PC0

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

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2E0:F7FF:FE5B:820
   IP Address......................: 172.16.0.1
   Subnet Mask.....................: 255.255.0.0
   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
```

b. PC1

```
C:\>ipconfig 172.16.0.2 255.255.0.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2D0:FFFF:FE40:BDDC
   IP Address......................: 172.16.0.2
   Subnet Mask.....................: 255.255.0.0
   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. PC2

```
C:\>ipconfig 172.16.0.3 255.255.0.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2D0:58FF:FE29:E674
   IP Address......................: 172.16.0.3
   Subnet Mask.....................: 255.255.0.0
   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
```

d. PC3

```
C:\>ipconfig 172.16.0.4 255.255.0.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2E0:F7FF:FE44:61D1
   IP Address......................: 172.16.0.4
   Subnet Mask.....................: 255.255.0.0
   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
```

2b) Perintah PING

a. PC0

```
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=22ms TTL=128
Reply from 172.16.0.1: bytes=32 time=9ms TTL=128
Reply from 172.16.0.1: bytes=32 time=5ms TTL=128
Reply from 172.16.0.1: bytes=32 time=6ms 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 = 5ms, Maximum = 22ms, Average = 10ms
```

b. PC1

```
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=6ms TTL=128
Reply from 172.16.0.2: bytes=32 time<1ms TTL=128
Reply from 172.16.0.2: bytes=32 time=9ms 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 = 7ms
```

c. PC2

```
C:\>ping 172.16.0.3

Pinging 172.16.0.3 with 32 bytes of data:

Reply from 172.16.0.3: bytes=32 time=12ms TTL=128
Reply from 172.16.0.3: bytes=32 time<1ms TTL=128
Reply from 172.16.0.3: bytes=32 time=6ms TTL=128
Reply from 172.16.0.3: bytes=32 time=7ms TTL=128

Ping statistics for 172.16.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 12ms, Average = 6ms
```

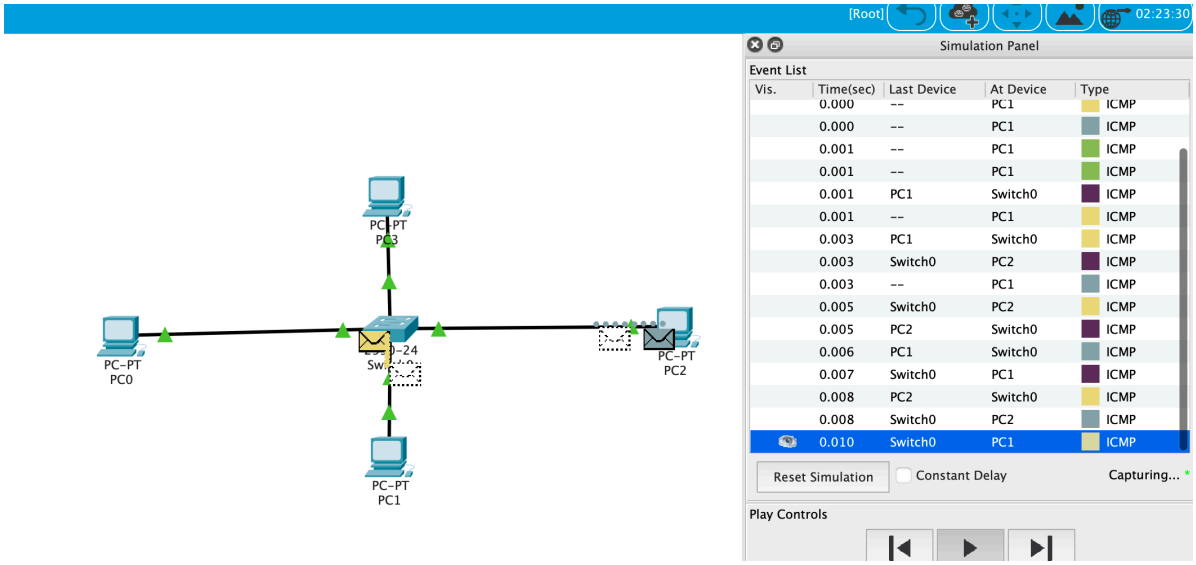
d. PC3

```
C:\>ping 172.16.0.4

Pinging 172.16.0.4 with 32 bytes of data:

Reply from 172.16.0.4: bytes=32 time=5ms TTL=128
Reply from 172.16.0.4: bytes=32 time<1ms TTL=128
Reply from 172.16.0.4: bytes=32 time=3ms TTL=128
Reply from 172.16.0.4: bytes=32 time=1ms TTL=128

Ping statistics for 172.16.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 5ms, Average = 2ms
```

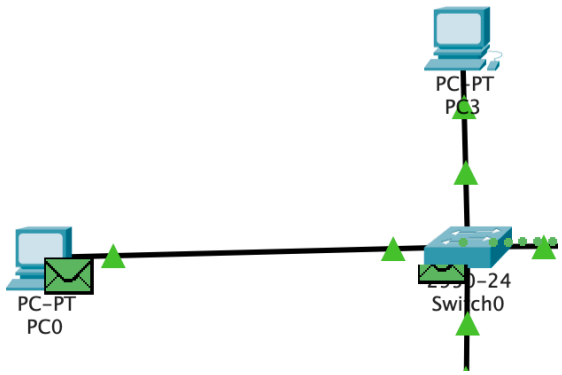
C. Test koneksi dengan SIMPLE PDU

1) **Klik add simple PDU.**

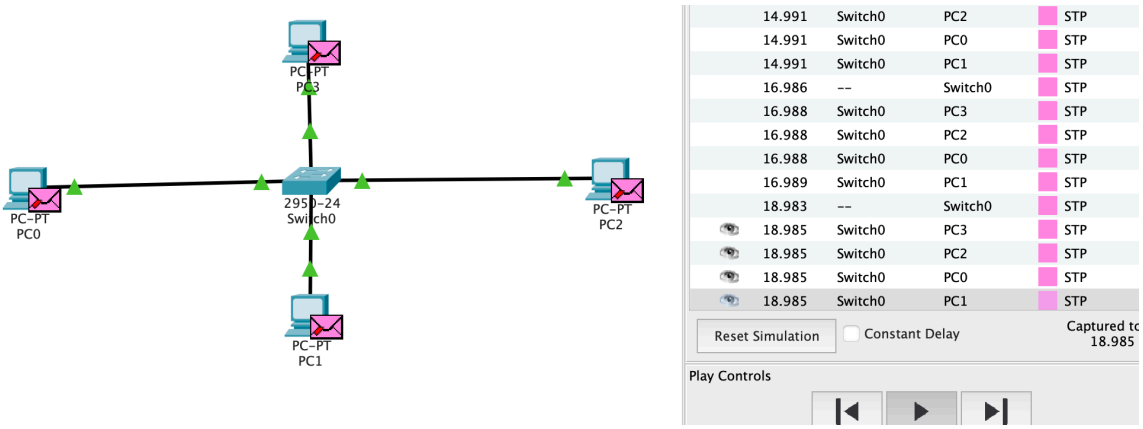
2) **Drag PC 1 &PC2**



3) **Test koneksi PC1 ke PC3, PC3 ke PC0.**

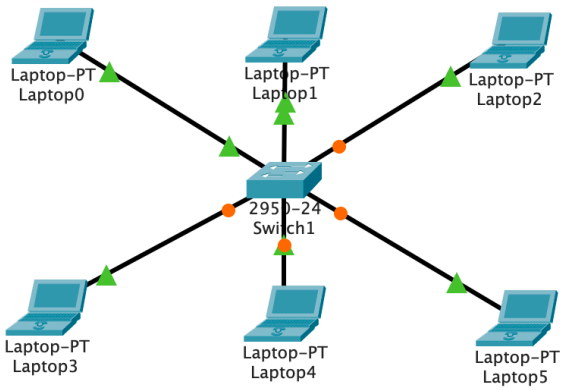


4) **Hasil simulasi**



D. Simulasi jaringan komputer dan IP Address dengan IP CONFIG.

1) **Simulasi jaringan computer.**



2) Konfigurasi IP Address menggunakan IP CONFIG.

a. Laptop0

```
C:\>ipconfig 192.198.10.2 255.255.255.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2E0:F9FF:FE9D:CD21
   IP Address......................: 192.198.10.2
   Subnet Mask.....................: 255.255.255.0
   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
```

b. Laptop1

```
C:\>ipconfig 192.168.10.4 255.255.255.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2E0:F7FF:FE65:7121
   IP Address......................: 192.168.10.4
   Subnet Mask.....................: 255.255.255.0
   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. Laptop2

```
C:\>ipconfig 192.168.10.5 255.255.255.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::201:64FF:FEB0:454E
   IP Address......................: 192.168.10.5
   Subnet Mask.....................: 255.255.255.0
   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
```

d. Laptop3

```
C:\>ipconfig 192.168.2.1 255.255.255.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::20D:BDFF:FEAE:84DE
   IP Address......................: 192.168.2.1
   Subnet Mask.....................: 255.255.255.0
   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
```

e. Laptop4

```
C:\>ipconfig 192.168.2.3 255.255.255.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::203:E4FF:FEEB:7DD5
   IP Address......................: 192.168.2.3
   Subnet Mask.....................: 255.255.255.0
   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
```

f. Laptop5

```
C:\>ipconfig 192.168.5.1 255.255.255.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::202:16FF:FE13:718B
   IP Address......................: 192.168.5.1
   Subnet Mask.....................: 255.255.255.0
   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
```

3) Ping antar laptop-PT.

a. Laptop0

```
C:\>ping 192.168.10.2

Pinging 192.168.10.2 with 32 bytes of data:

Reply from 192.168.10.2: bytes=32 time=10ms TTL=128
Reply from 192.168.10.2: bytes=32 time=6ms TTL=128
Reply from 192.168.10.2: bytes=32 time=4ms TTL=128
Reply from 192.168.10.2: bytes=32 time=8ms TTL=128

Ping statistics for 192.168.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 10ms, Average = 7ms

C:\>
```

b. Laptop1

```
Pinging 192.168.10.4 with 32 bytes of data:

Reply from 192.168.10.4: bytes=32 time=1ms TTL=128
Reply from 192.168.10.4: bytes=32 time=6ms TTL=128
Reply from 192.168.10.4: bytes=32 time=7ms TTL=128
Reply from 192.168.10.4: bytes=32 time=2ms TTL=128

Ping statistics for 192.168.10.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 7ms, Average = 4ms

C:\>
```

c. Laptop2

```
C:\>ping 192.168.10.5

Pinging 192.168.10.5 with 32 bytes of data:

Reply from 192.168.10.5: bytes=32 time<1ms TTL=128
Reply from 192.168.10.5: bytes=32 time=9ms TTL=128
Reply from 192.168.10.5: bytes=32 time=5ms TTL=128
Reply from 192.168.10.5: bytes=32 time=9ms TTL=128

Ping statistics for 192.168.10.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 9ms, Average = 5ms
```

d. Laptop3

```
C:\>ping 192.168.2.1

Pinging 192.168.2.1 with 32 bytes of data:

Reply from 192.168.2.1: bytes=32 time=13ms TTL=128
Reply from 192.168.2.1: bytes=32 time=7ms TTL=128
Reply from 192.168.2.1: bytes=32 time=8ms TTL=128
Reply from 192.168.2.1: bytes=32 time=9ms TTL=128

Ping statistics for 192.168.2.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 7ms, Maximum = 13ms, Average = 9ms
```

e. Laptop4

```
C:\>ping 192.168.2.3

Pinging 192.168.2.3 with 32 bytes of data:

Reply from 192.168.2.3: bytes=32 time=1ms TTL=128
Reply from 192.168.2.3: bytes=32 time=1ms TTL=128
Reply from 192.168.2.3: bytes=32 time=12ms TTL=128
Reply from 192.168.2.3: bytes=32 time=6ms TTL=128

Ping statistics for 192.168.2.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 12ms, Average = 5ms
```

f. Laptop5

```
C:\>ping 192.168.5.1

Pinging 192.168.5.1 with 32 bytes of data:

Reply from 192.168.5.1: bytes=32 time<1ms TTL=128
Reply from 192.168.5.1: bytes=32 time=7ms TTL=128
Reply from 192.168.5.1: bytes=32 time=1ms TTL=128
Reply from 192.168.5.1: bytes=32 time=7ms TTL=128

Ping statistics for 192.168.5.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 7ms, Average = 3ms
```

4) Kesimpulan Semua komputer terhubung.

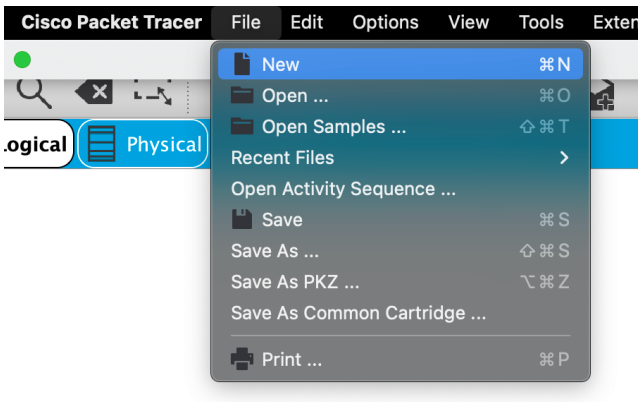
Nama	**: Risky Fauziah**	**Mata Kuliah**	**: Praktikum Jaringan Komputer**
NIM	**: 171011450082**	**Tugas**	**: Pertemuan ke-5**

Kesimpulan:

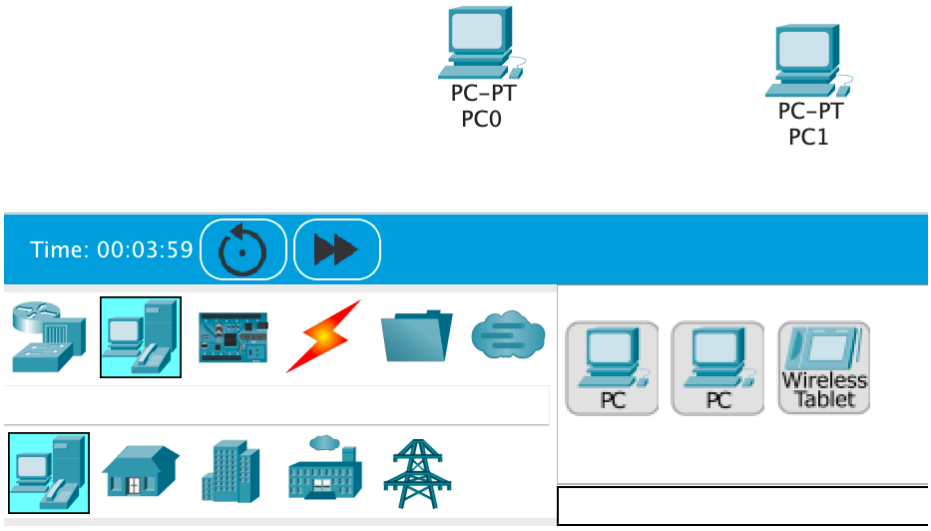
Pada saat mengerjakan soal b) sempat mengalami kendala yaitu PC tidak mau terhubung. Namun, saat saya kembali memeriksa dari hasil latihan yang ada pada soal a). saya menyadari bahwa *Port Status* belum saya aktifkan. Setelah saya aktifkan *port status* tersebut, barulah koneksi masing-masing PC berjalan dengan baik.

a) Konfigurasi *Routing* dengan 1 *Router (Config)*

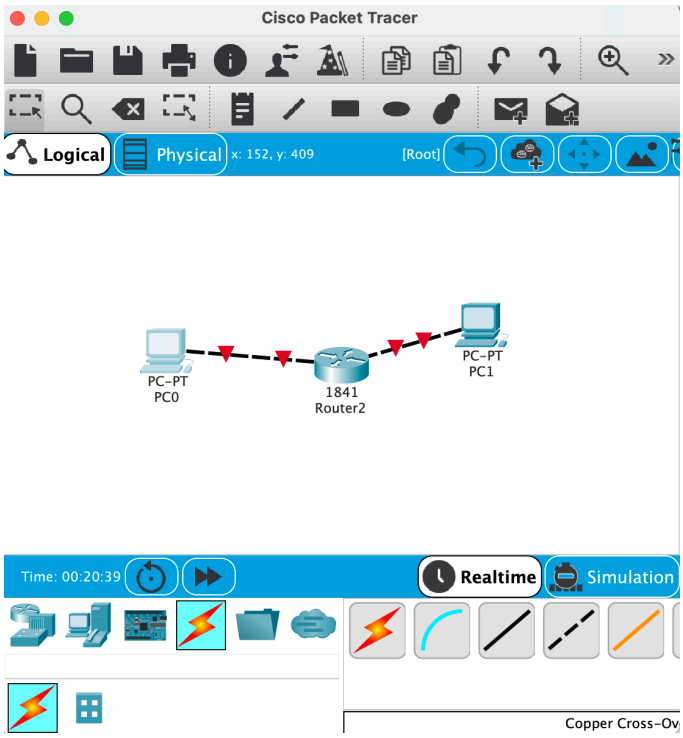
1) Buka lembar kerja baru dengan klik file -> *new*.



2) Drag 2x PC-PT yang terdapat pada komponen *End Devices*.

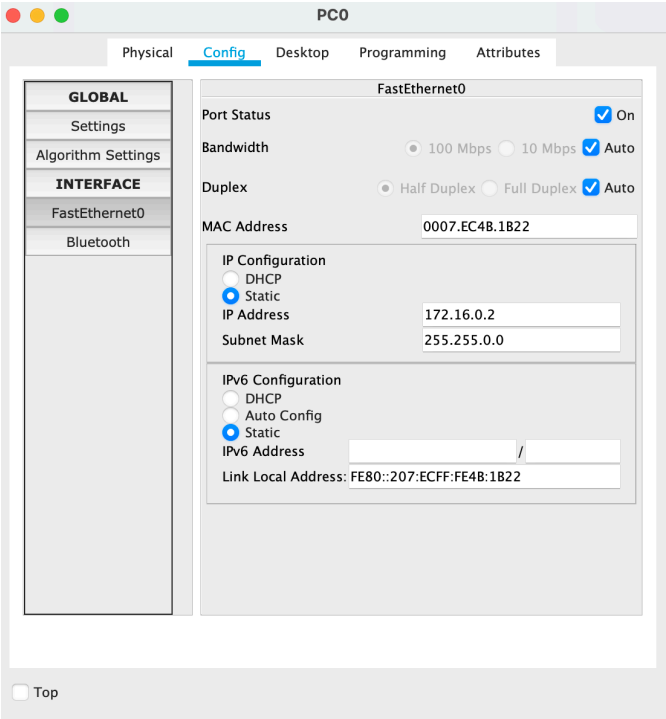


3) Pada *device routers*, *drag router* 1841, hubungkan PC0 dan PC1 ke *Router*() menggunakan kabel *cross-over*, sehingga akan terlihat seperti gambar di bawah ini.



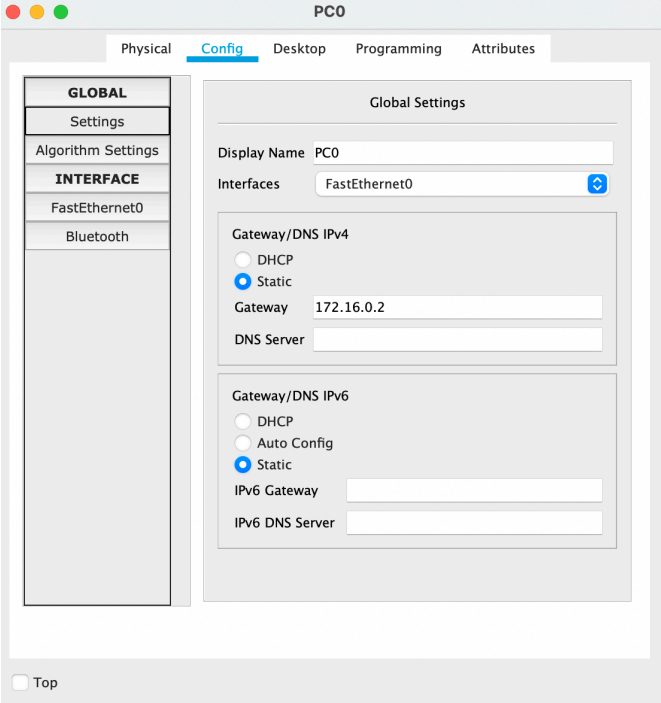
4) Konfirgurasi IP address PC0, dengan cara klik 2x PC0.

   Pilih tab CONFIG -> INTERFACE -> FastEthernet. Power on pada port status dan masukkan IP address dan subnet mask-nya seperti gambar di bawah ini.

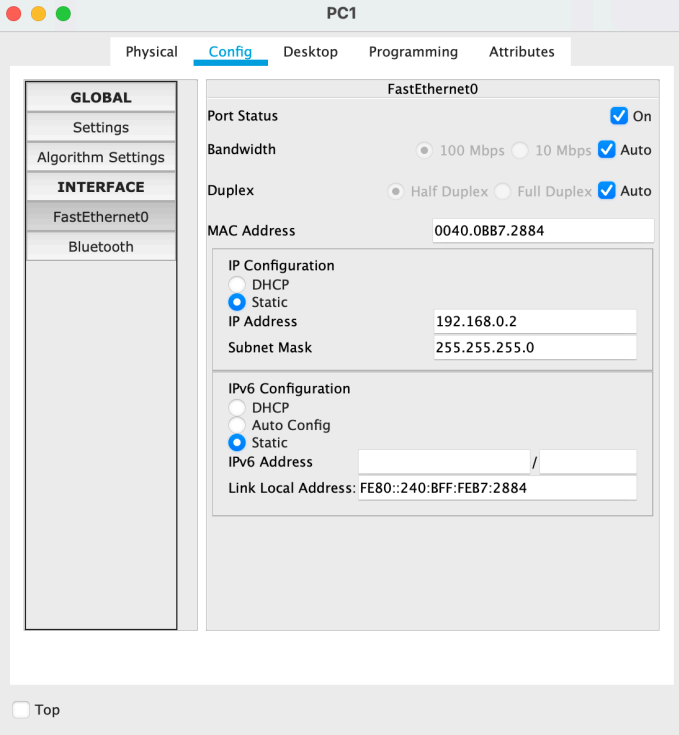


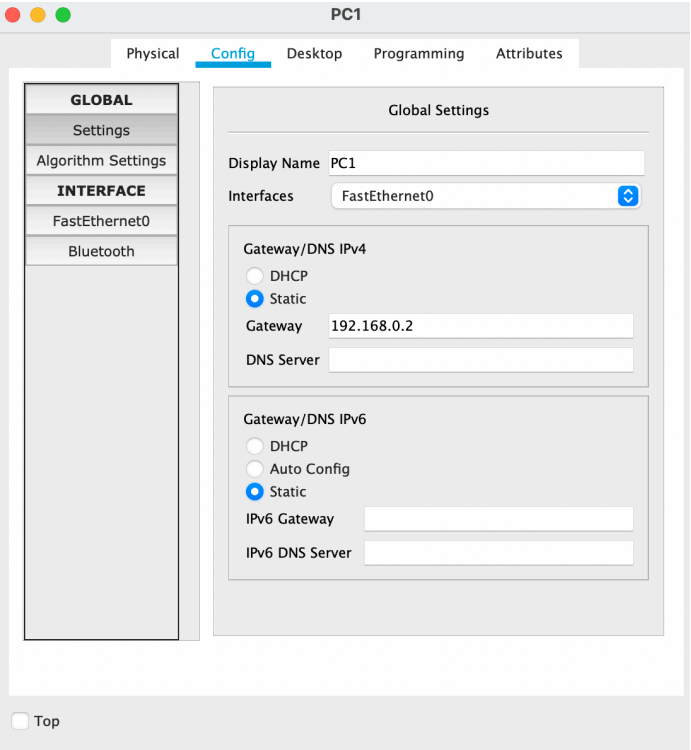
5) Konfigurasi IP gateway PC0 dengan klik 2x PC0.

Pilih tab CONFIG -> GLOBAL -> Setting. Kemudian isikan IP Gateway 172.16.0.1

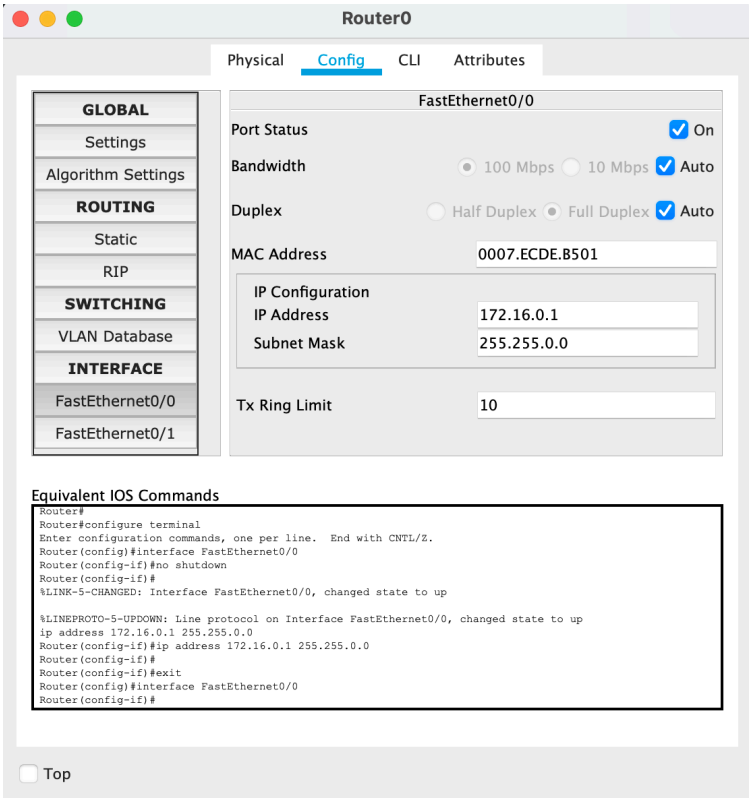


6) Ulangi langkah 3) dan 4) untuk konfigurasi PC1 dengan menggunakan IP address 192.168.0.2/255.255.255.0 dan IP Gateway 192.168.0.1

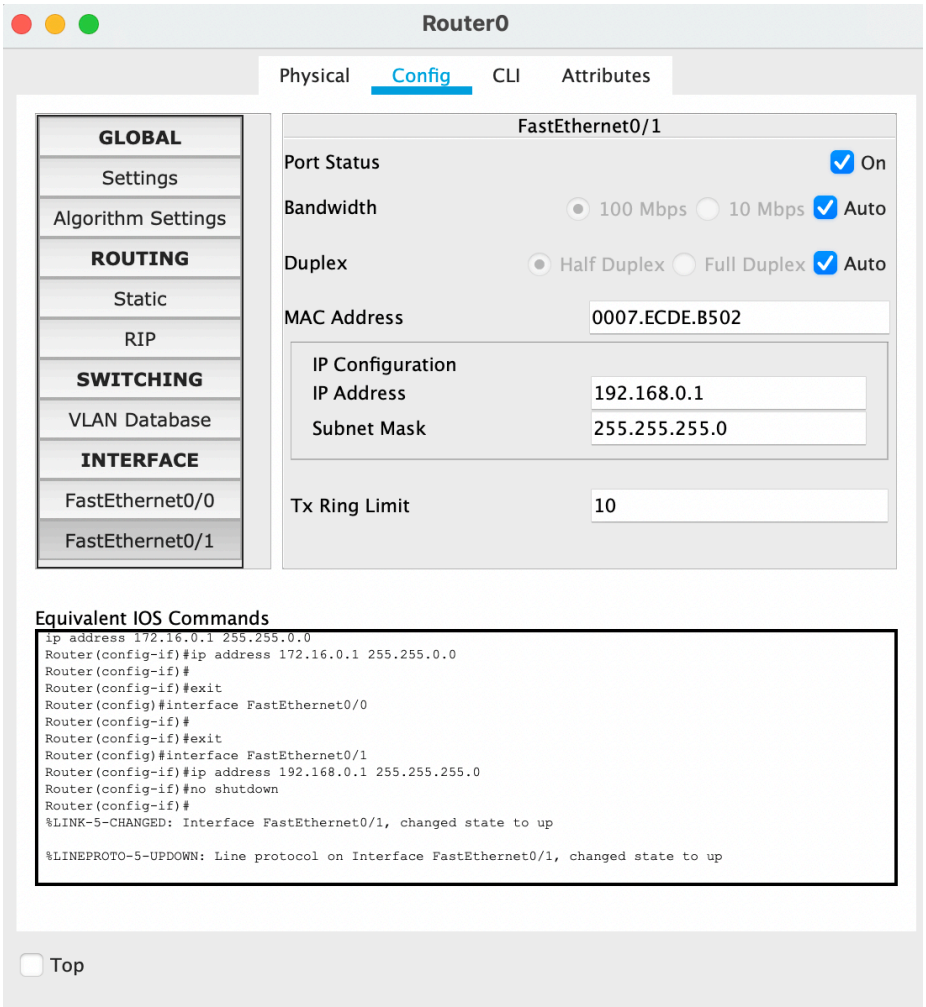




7) Untuk mengkonfigurasi *Router*(), klik 2x router. *Check list on* pada *port* Status kemudian pilih *tab CONFIG -> INTERFACE -> FastEthernet0/0*, dan isikan IP *address* seperti gambar di bawah ini.



8) Ulangi Langkah 6) pilih CONFIG -> INTERFACE -> FastEthernet0/1, isikan IP address 192.168.0.1/255.255.255.0.



9) Test koneksi antara PC0 ke Router0, PC0, ke PC1 ke Router0, PC1 ke PC0 dengan menggunakan *command prompt*.

a. PC0

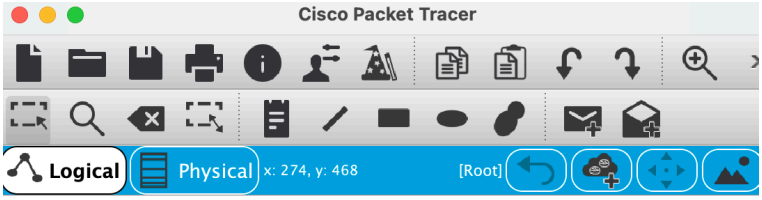
```
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::207:ECFF:FE4B:1B22
   IP Address......................: 172.16.0.2
   Subnet Mask.....................: 255.255.0.0
   Default Gateway.................: 172.16.0.2

Bluetooth Connection:

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

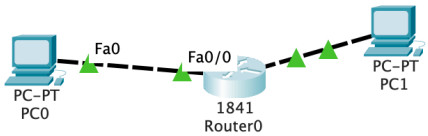
b. PC1

```
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::240:BFF:FEB7:2884
   IP Address......................: 192.168.0.2
   Subnet Mask.....................: 255.255.255.0
   Default Gateway.................: 192.168.0.2

Bluetooth Connection:

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

10) Kemudian simpan dengan nama *router1*.

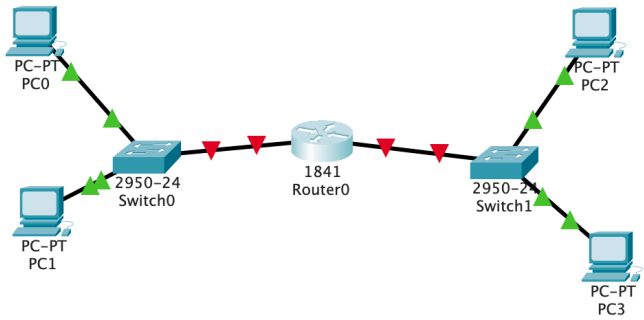
11) Catat hasilnya, apakah semua PC dapat terhubung? Semua PC dapat terhubung dengan baik.

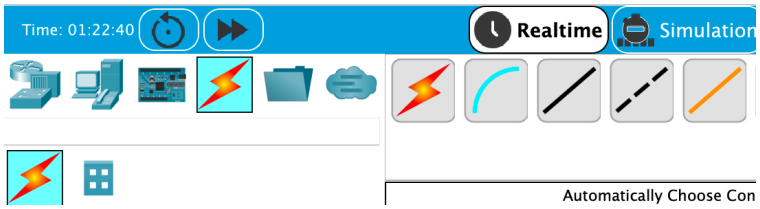




b) Buat simulasi jaringan komputer di bawah ini

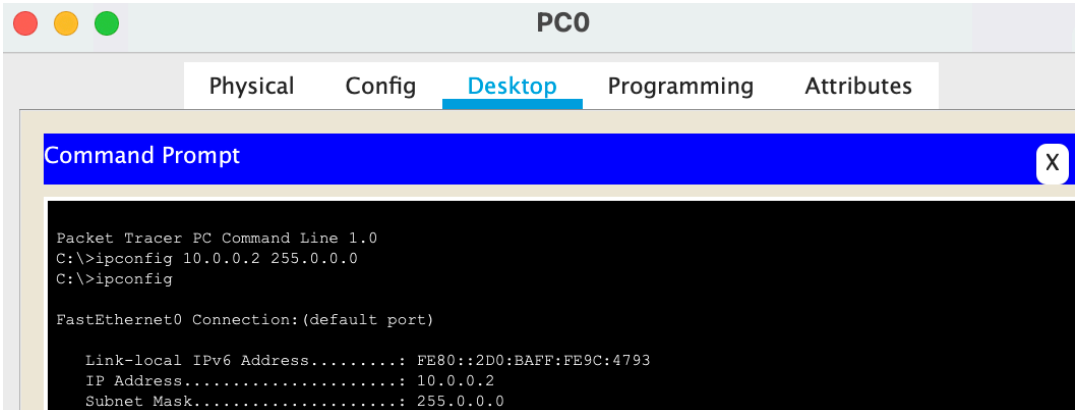
1) Buatlah simulasi jaringan seperti gambar di bawah ini

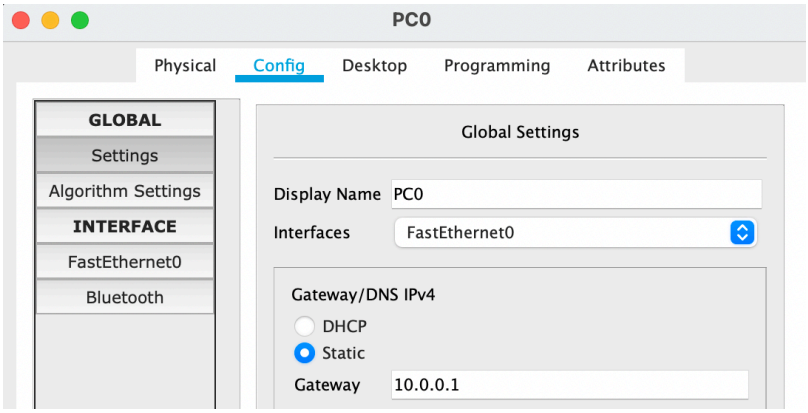




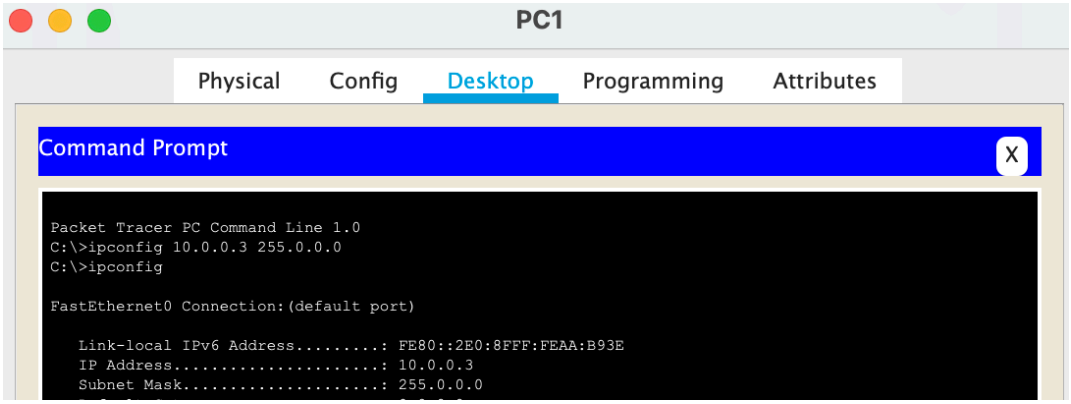
2) Kemudian konfigurasi IP address dan subnet mark menggunakan CONFIG.

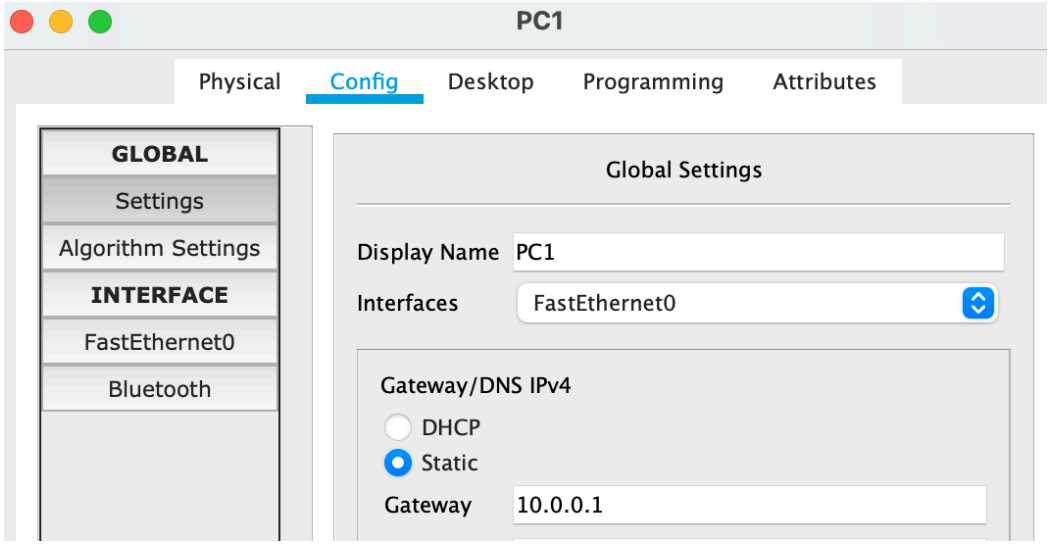
a) PC0



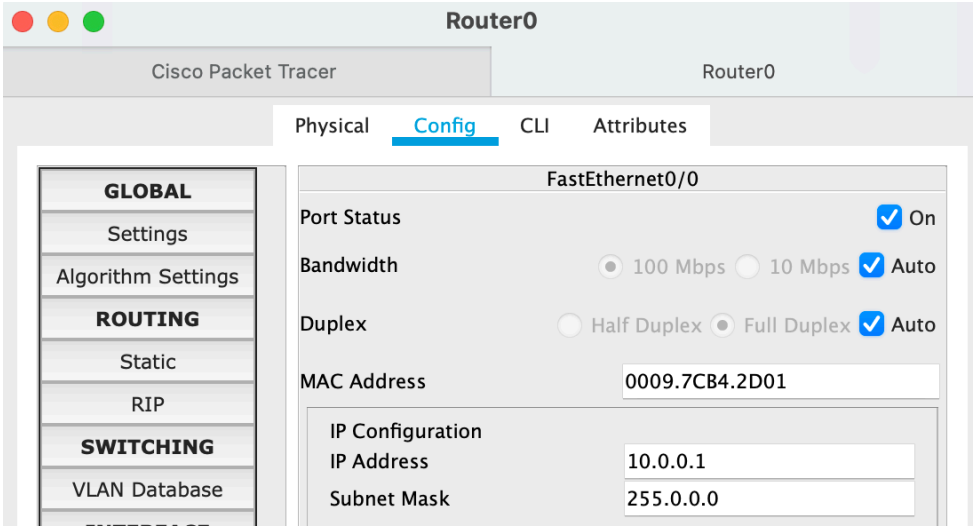


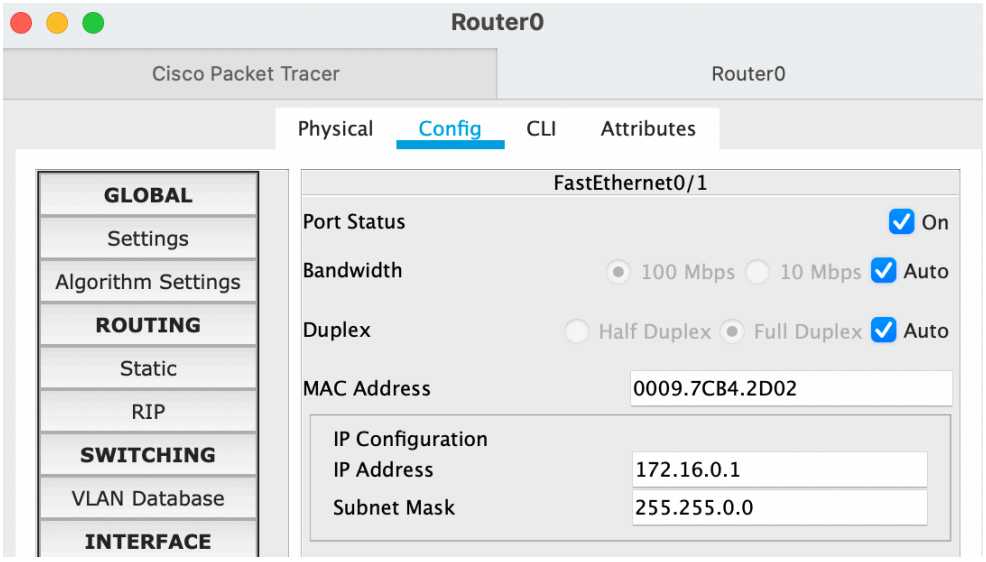
b) PC1



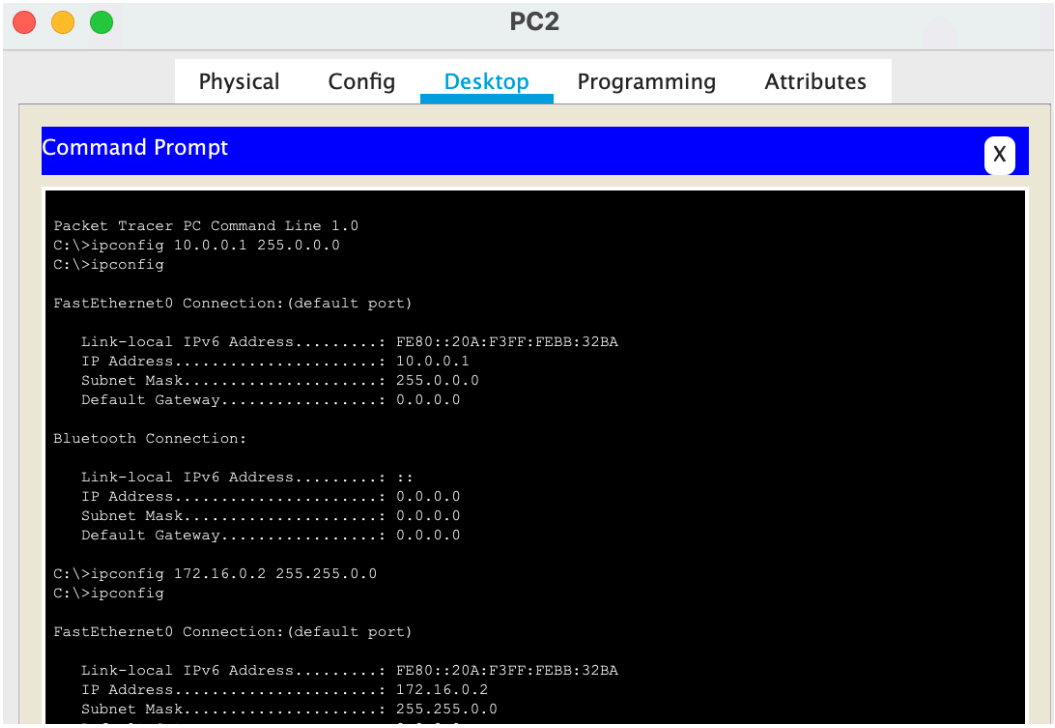

PC1
Physical
Config
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
Global Settings
Display Name
PC1
Interfaces
FastEthernet0
Gateway/DNS IPv4
DHCP
Static
Gateway
10.0.0.1

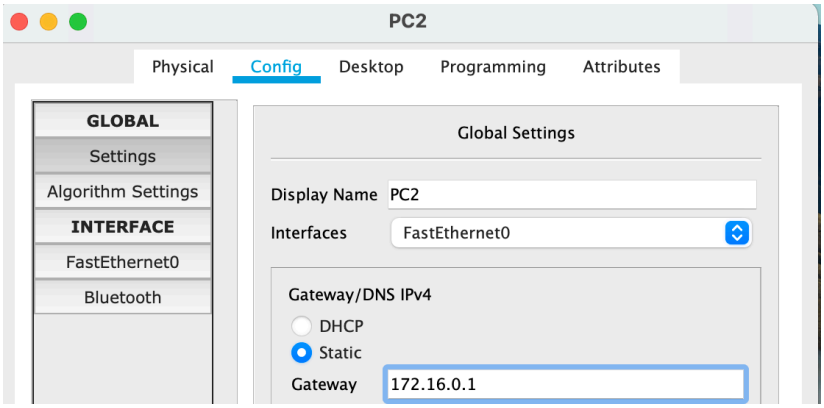
c) Router0


Router0
Cisco Packet Tracer
Router0
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
FastEthernet0/0
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0009.7CB4.2D01
IP Configuration
IP Address
10.0.0.1
Subnet Mask
255.0.0.0

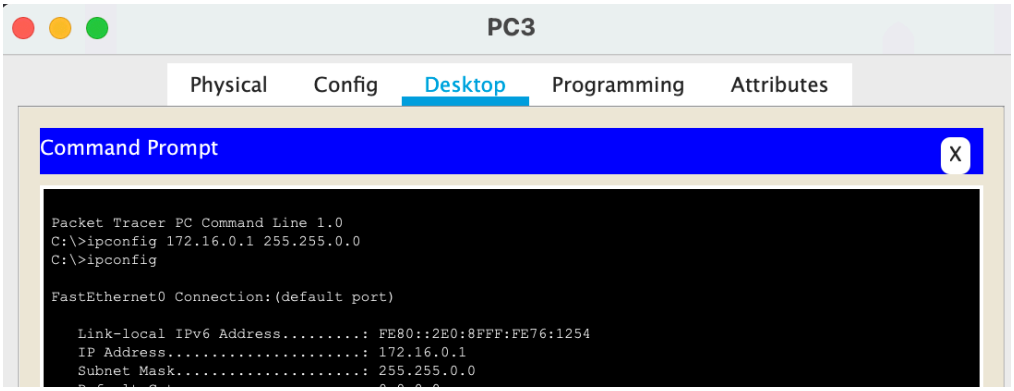

Router0
Cisco Packet Tracer
Router0
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
SWITCHING
VLAN Database
INTERFACE
FastEthernet0/1
Port Status
On
Bandwidth
100 Mbps
10 Mbps
Auto
Duplex
Half Duplex
Full Duplex
Auto
MAC Address
0009.7CB4.2D02
IP Configuration
IP Address
172.16.0.1
Subnet Mask
255.255.0.0

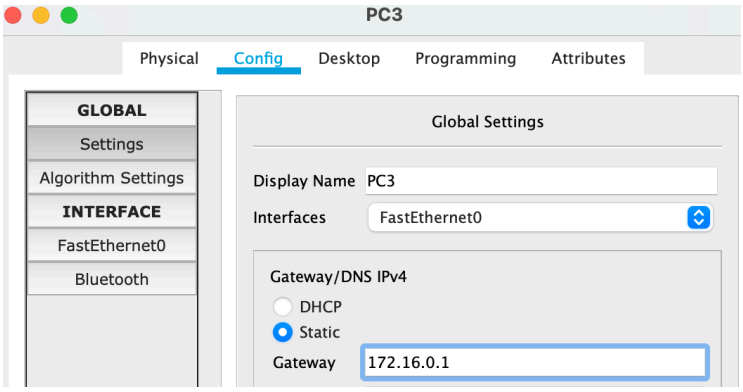
d) PC2


PC2
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ipconfig 10.0.0.1 255.0.0.0
C:\>ipconfig
FastEthernet0 Connection:(default port)
Link-local IPv6 Address.....: FE80::20A:F3FF:FEBB:32BA
IP Address.....: 10.0.0.1
Subnet Mask.....: 255.0.0.0
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 172.16.0.2 255.255.0.0
C:\>ipconfig
FastEthernet0 Connection:(default port)
Link-local IPv6 Address.....: FE80::20A:F3FF:FEBB:32BA
IP Address.....: 172.16.0.2
Subnet Mask.....: 255.255.0.0


PC2
Physical
Config
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
Global Settings
Display Name
PC2
Interfaces
FastEthernet0
Gateway/DNS IPv4
DHCP
Static
Gateway
172.16.0.1

e) PC4


PC3
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ipconfig 172.16.0.1 255.255.0.0
C:\>ipconfig
FastEthernet0 Connection:(default port)
Link-local IPv6 Address.....: FE80::2E0:8FFF:FE76:1254
IP Address.....: 172.16.0.1
Subnet Mask.....: 255.255.0.0



3) Test koneksinya menggunakan *command promt*.

a) PC0

```
FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2D0:BAFF:FE9C:4793
   IP Address......................: 10.0.0.2
   Subnet Mask.....................: 255.0.0.0
   Default Gateway.................: 10.0.0.1

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

```
FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2E0:8FFF:FEAA:B93E
   IP Address......................: 10.0.0.3
   Subnet Mask.....................: 255.0.0.0
   Default Gateway.................: 10.0.0.1

Bluetooth Connection:

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

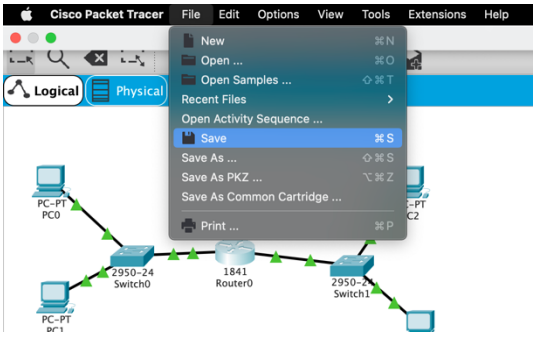
c) PC2

```
FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::20A:F3FF:FEBB:32BA
   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
```

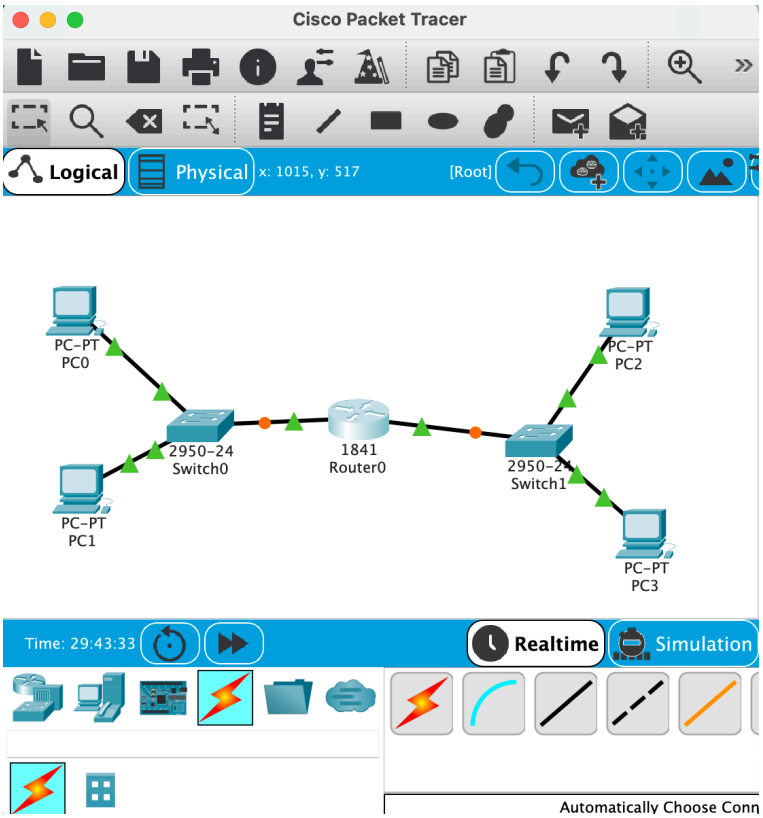
d) PC3

```
FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::2E0:8FFF:FE76:1254
   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
```

4) Simpan dengan nama router2.

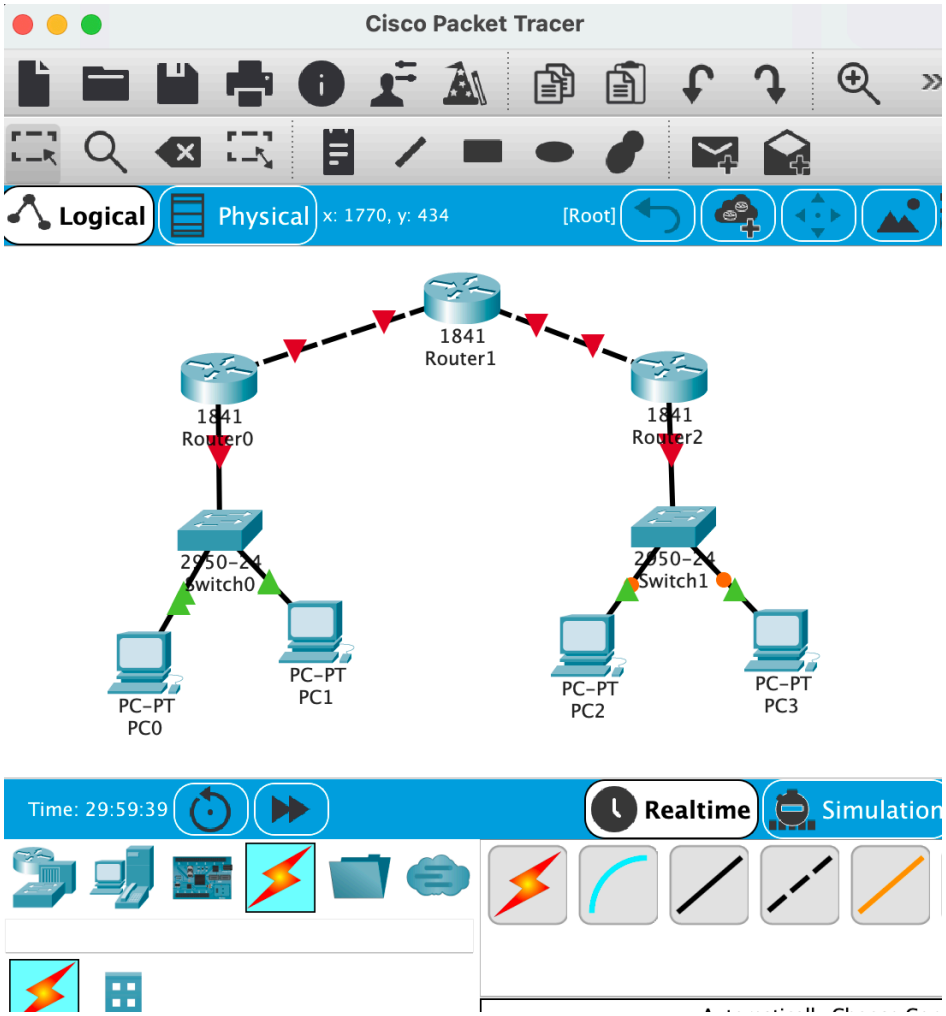


5) Catat hasilnya, apakah semua PC dapat terhubung? Ya! Semua PC terhubung.

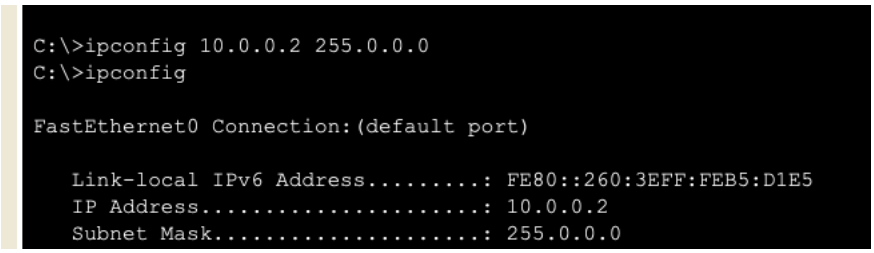


c) Konfigurasi Router dengan 2 Router (CLI)

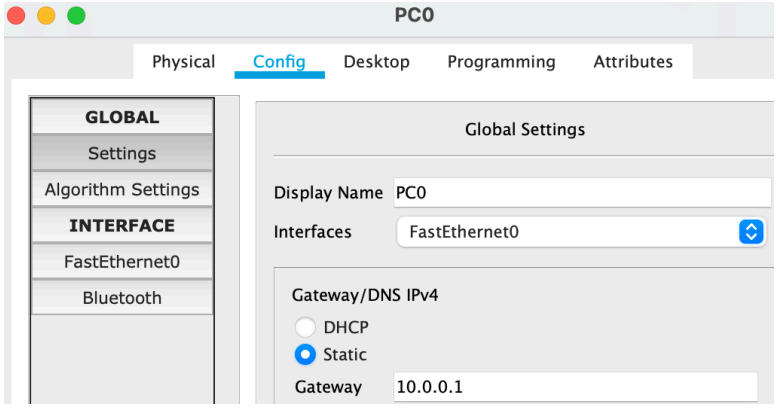
1) Drag 4x PC-PT yang terdapat pada komponen End Device.
   (lampiran foto tugas ada di poin 2)
2) Pada device Router, drag 3x router 1841, kemudian drag 2x switch yang terdapat pada device Switches. Hubungkan device-device tersebut hingga terlihat seperti gambar di bawah ini.



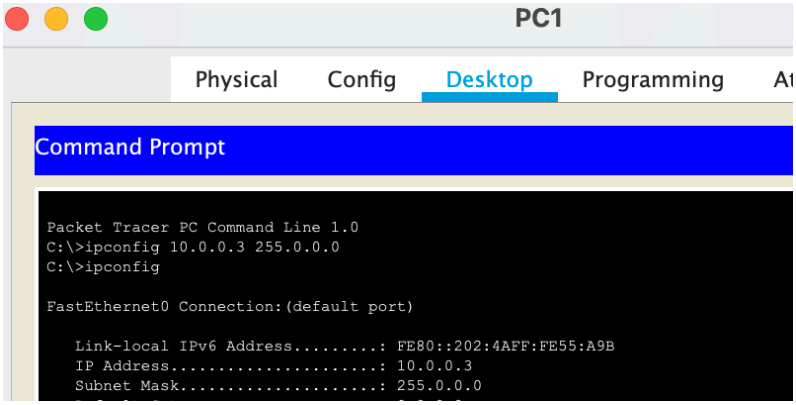
3) Konfigurasi IP Address dan subnet pada PC0, PC1, PC2 dan PC3 dengan ketentuan sebagai berikut:
   a) PC0

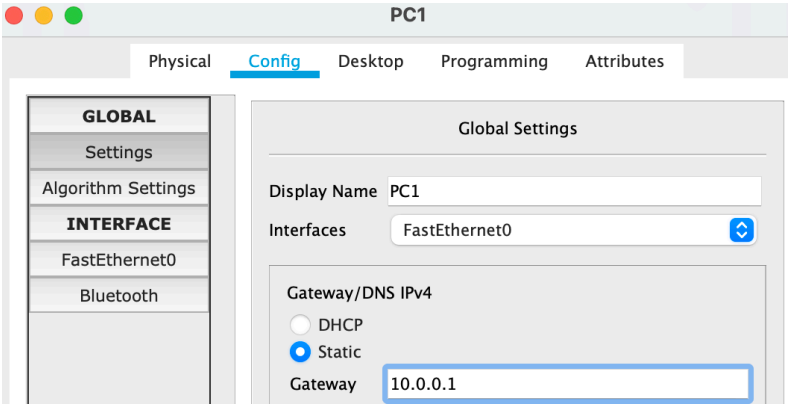


```
C:\>ipconfig 10.0.0.2 255.0.0.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

   Link-local IPv6 Address.........: FE80::260:3EFF:FEB5:D1E5
   IP Address......................: 10.0.0.2
   Subnet Mask.....................: 255.0.0.0
```

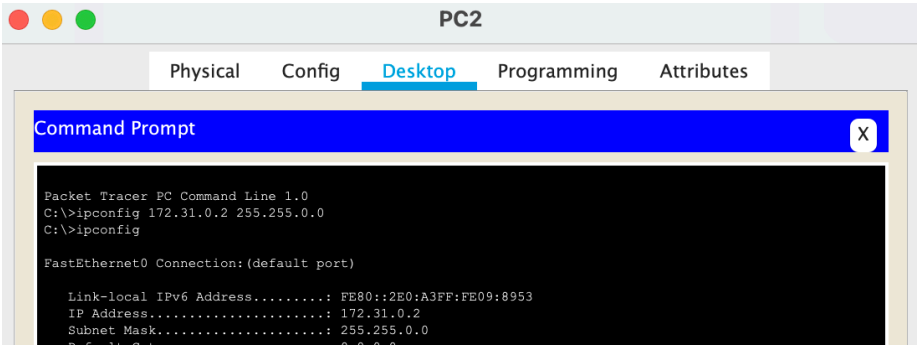

PC0
Physical
Config
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
Global Settings
Display Name
PC0
Interfaces
FastEthernet0
Gateway/DNS IPv4
DHCP
Static
Gateway
10.0.0.1

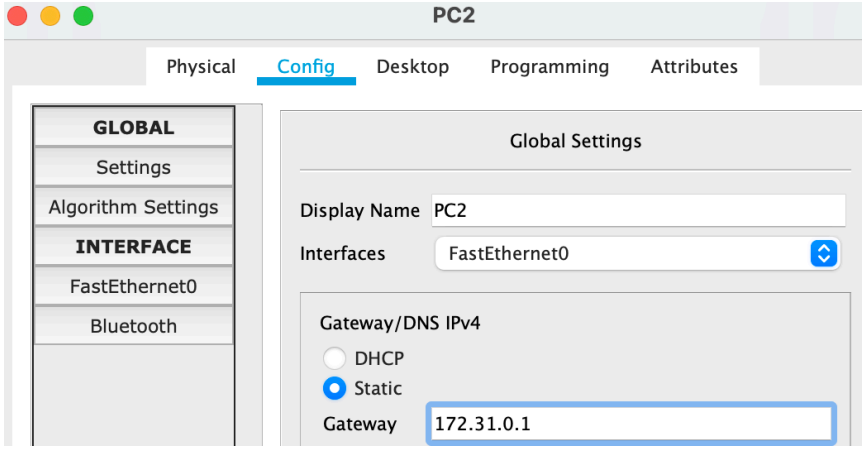
b) PC1


PC1
Physical
Config
Desktop
Programming
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ipconfig 10.0.0.3 255.0.0.0
C:\>ipconfig
FastEthernet0 Connection:(default port)
Link-local IPv6 Address.....: FE80::202:4AFF:FE55:A9B
IP Address.....: 10.0.0.3
Subnet Mask.....: 255.0.0.0

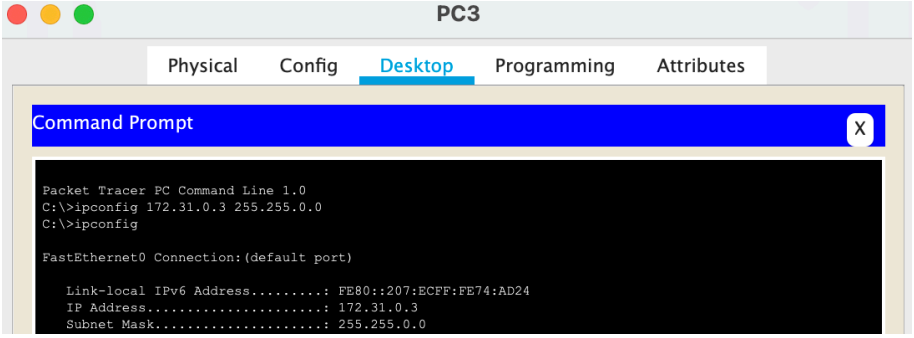

PC1
Physical
Config
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
Global Settings
Display Name
PC1
Interfaces
FastEthernet0
Gateway/DNS IPv4
DHCP
Static
Gateway
10.0.0.1

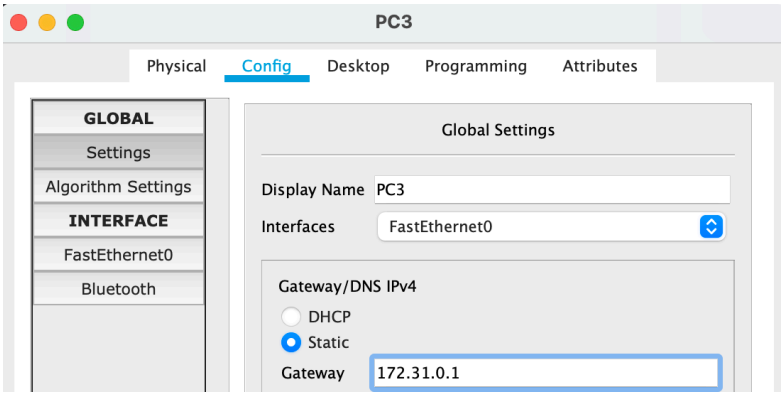
c) PC2


PC2
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Packet Tracer PC Command Line 1.0
C:\>ipconfig 172.31.0.2 255.255.0.0
C:\>ipconfig
FastEthernet0 Connection:(default port)
Link-local IPv6 Address.....: FE80::2E0:A3FF:FE09:8953
IP Address.....: 172.31.0.2
Subnet Mask.....: 255.255.0.0



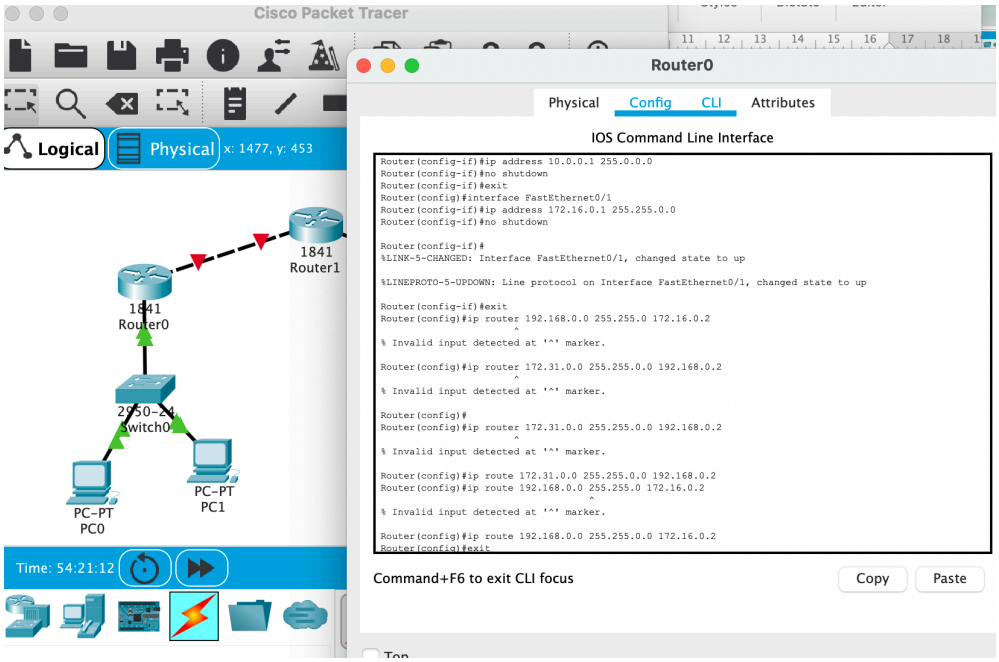
d) PC3



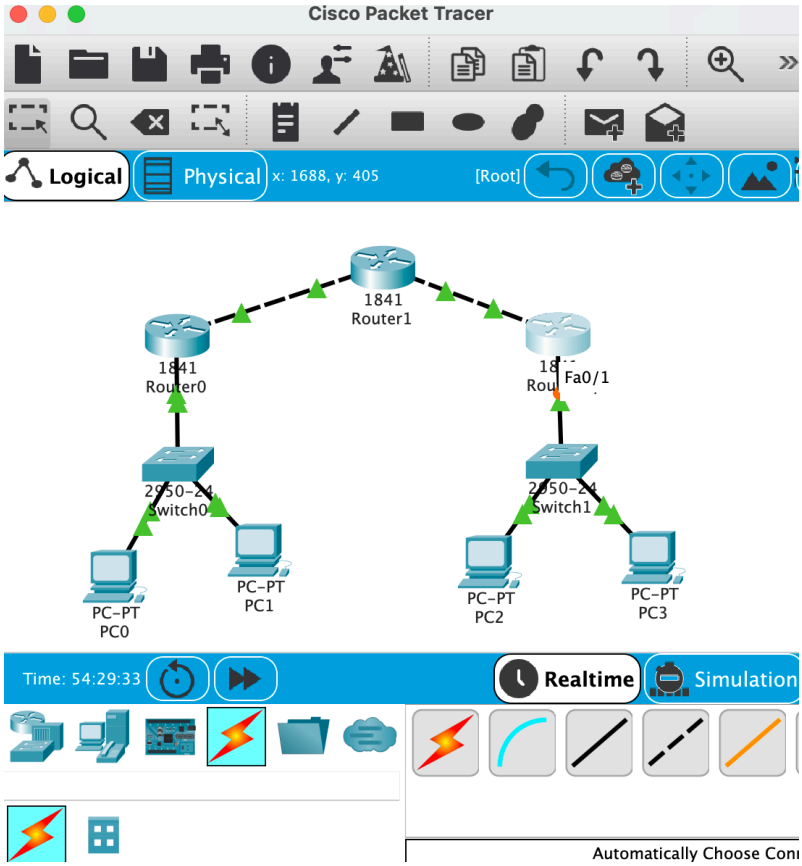


4) Konfigurasi ketiga router menggunakan CLI.

Langkah 1: Klik 2x Router0. Pilih tab CLI.



Catat hasilnya apakah semua PC terhubung! Ya, semua PC terhubung!

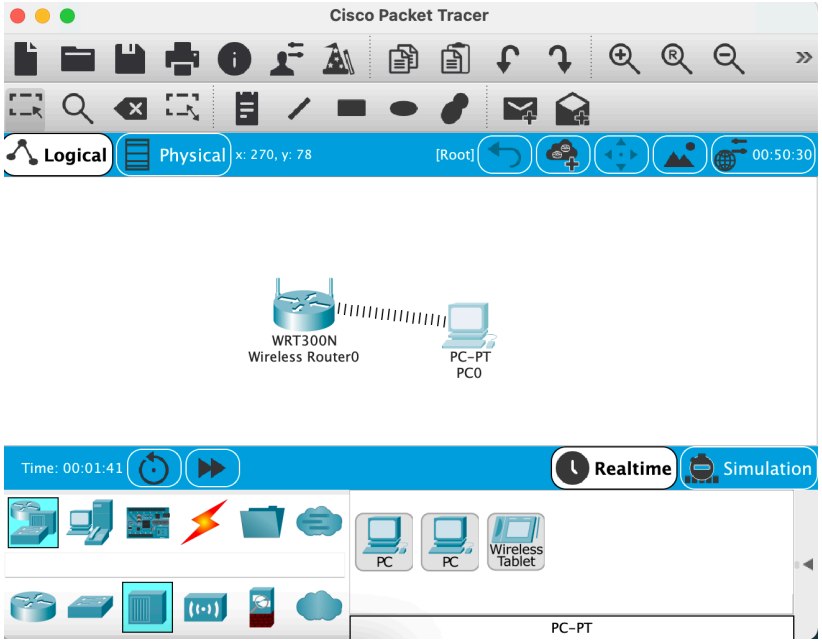


Nama	**: Risky Fauziah**	**Mata Kuliah**	**: Praktikum Jaringan Komputer**
NIM	**: 171011450082**	**Tugas**	**: Pertemuan ke-6 (B)**

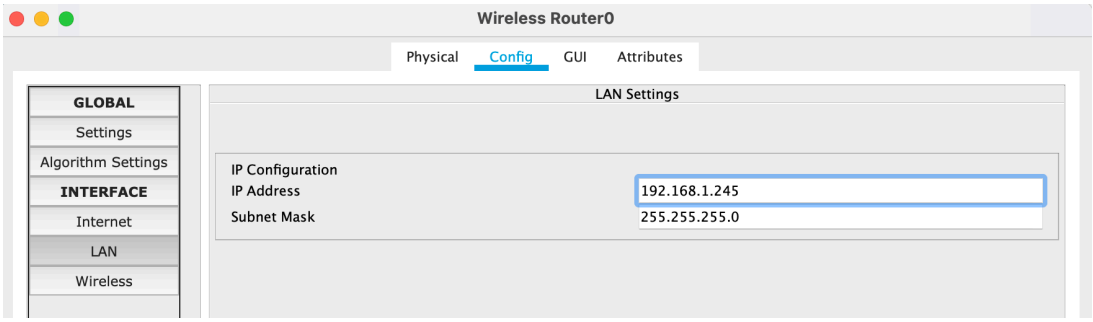
B) Konfigurasi Router-Access Point (Non-Kabel)

1) Konfigurasi Manual IP Address

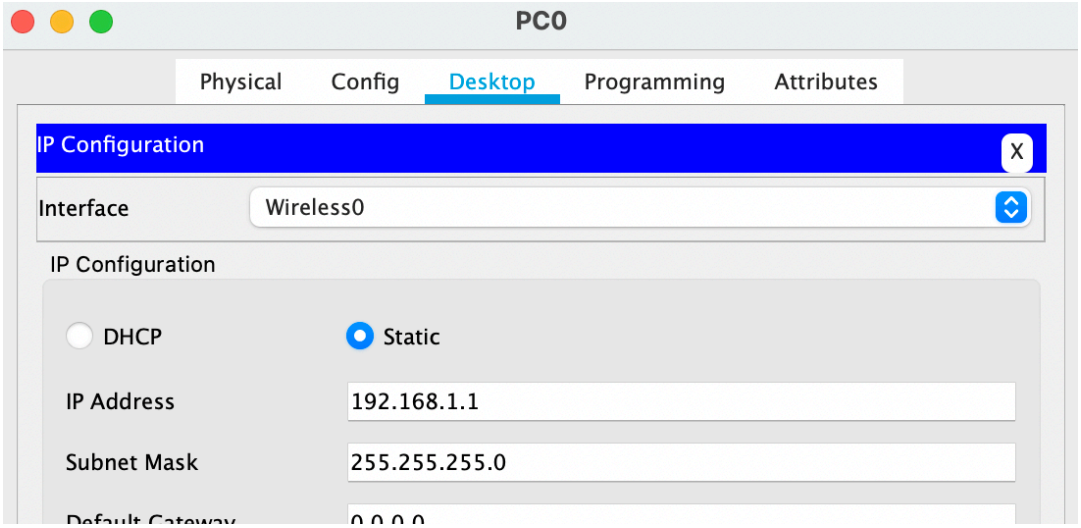
a)



b)



c)



d)

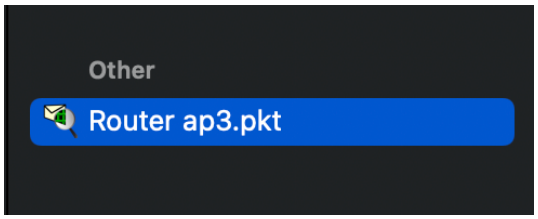
PC0

```
Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=2ms TTL=128
Reply from 192.168.1.1: bytes=32 time=3ms TTL=128
Reply from 192.168.1.1: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 3ms, Average = 1ms
```

Wirelees Router0

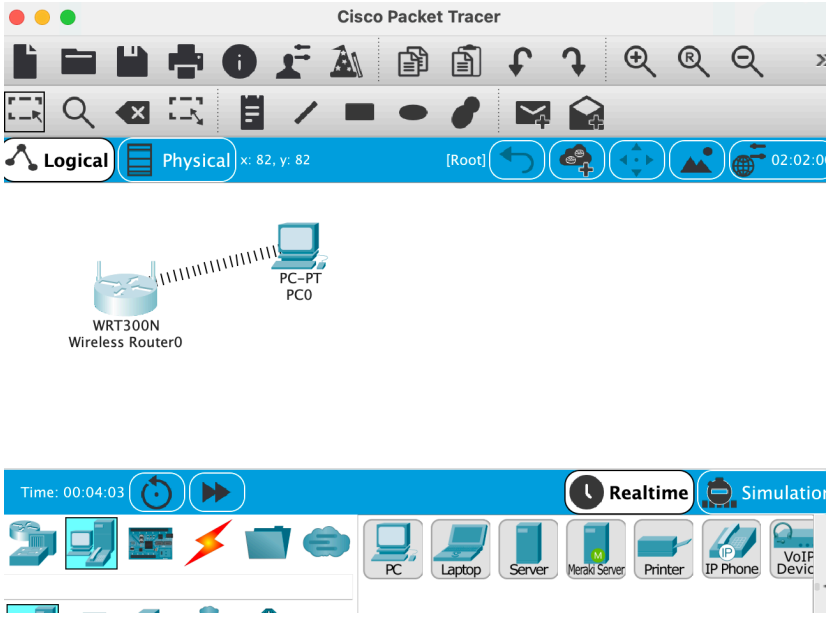
```
C:\>ping 192.168.1.254

Pinging 192.168.1.254 with 32 bytes of data:

Reply from 192.168.1.254: bytes=32 time=34ms TTL=255
Reply from 192.168.1.254: bytes=32 time=12ms TTL=255
Reply from 192.168.1.254: bytes=32 time=11ms TTL=255
Reply from 192.168.1.254: bytes=32 time=19ms TTL=255

Ping statistics for 192.168.1.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 11ms, Maximum = 34ms, Average = 19ms
```

e)

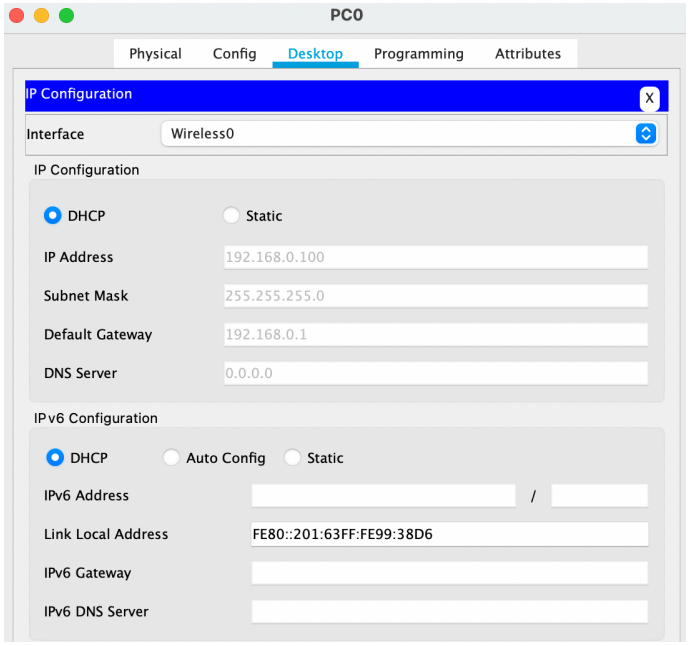


2) Konfigurasi Dynamic IP Address

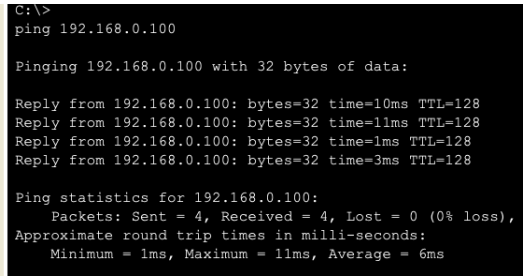
a)



b)

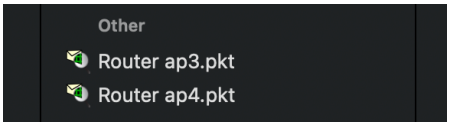


c)



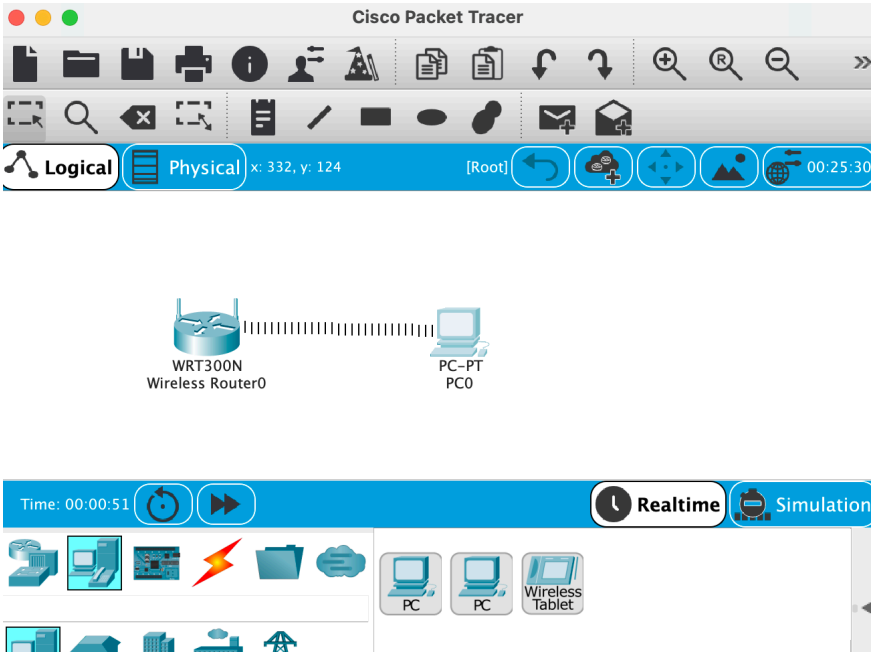
```
C:\>
ping 192.168.0.100

Pinging 192.168.0.100 with 32 bytes of data:

Reply from 192.168.0.100: bytes=32 time=10ms TTL=128
Reply from 192.168.0.100: bytes=32 time=11ms TTL=128
Reply from 192.168.0.100: bytes=32 time=1ms TTL=128
Reply from 192.168.0.100: bytes=32 time=3ms TTL=128

Ping statistics for 192.168.0.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 11ms, Average = 6ms
```

d)

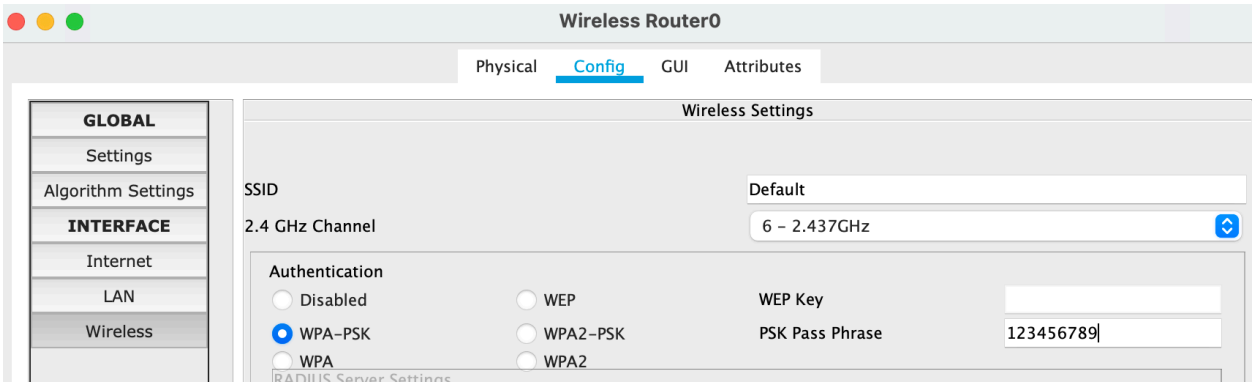


c) Scurity Router-Access Point

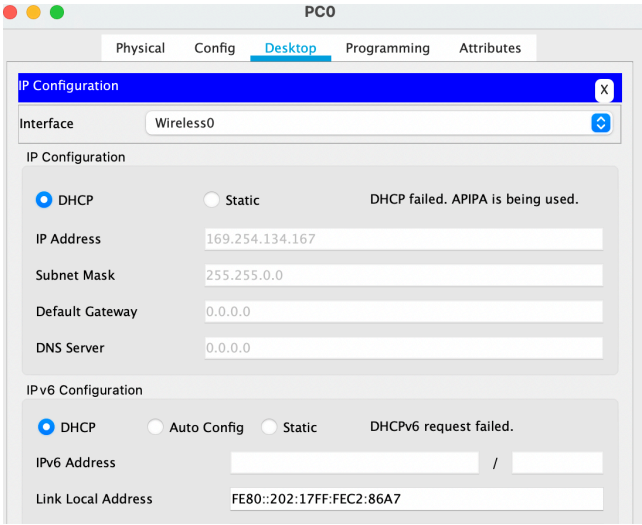
a)



b)



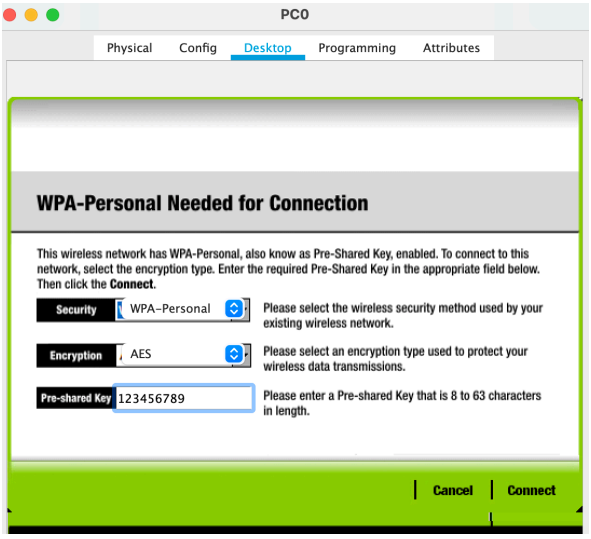
c)


PC0
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
Wireless0
IP Configuration
DHCP
Static
DHCP failed. APIPA is being used.
IP Address
169.254.134.167
Subnet Mask
255.255.0.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
DHCPv6 request failed.
IPv6 Address
Link Local Address
FE80::202:17FF:FEC2:86A7

d)

PC0
Physical
Config
Desktop
Programming
Attributes
Link Information
Connect
Profiles
Below is a list of available wireless networks. To search for more wireless networks, click the Refresh button. To view more information about a network, select the wireless network name. To connect to that network, click the Connect button below.
Wireless Network Name
CH
Signal
Default
1
100%
Site Information
Wireless Mode
Network Type
Radio Band
Security
MAC Address
Refresh
Connect
Wireless-N
Notebook Adapter
Wireless Network Monitor v1.0

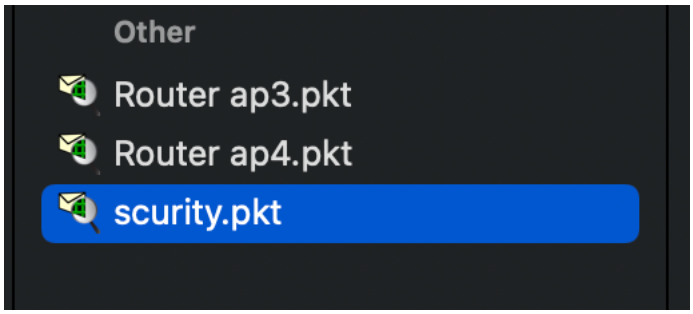
e)


PC0
Physical
Config
Desktop
Programming
Attributes
WPA-Personal Needed for Connection
This wireless network has WPA-Personal, also know as Pre-Shared Key, enabled. To connect to this network, select the encryption type. Enter the required Pre-Shared Key in the appropriate field below. Then click the Connect.
Security
WPA-Personal
Please select the wireless security method used by your existing wireless network.
Encryption
AES
Please select an encryption type used to protect your wireless data transmissions.
Pre-shared Key
123456789
Please enter a Pre-shared Key that is 8 to 63 characters in length.
Cancel
Connect

f)

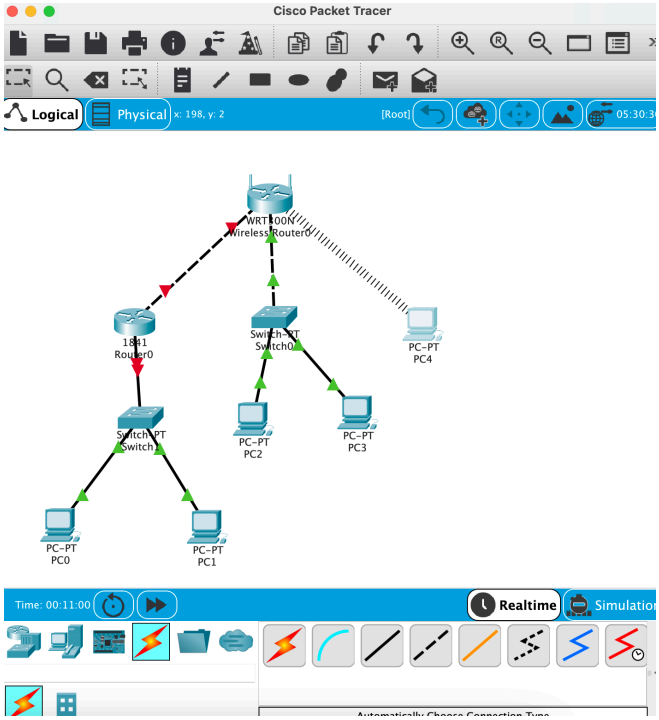
```
C:\>ping 169.254.134.167

Pinging 169.254.134.167 with 32 bytes of data:

Reply from 192.168.0.1: Destination host unreachable.
Reply from 192.168.0.1: Destination host unreachable.
Reply from 192.168.0.1: Destination host unreachable.
Reply from 192.168.0.1: Destination host unreachable.

Ping statistics for 169.254.134.167:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

g)



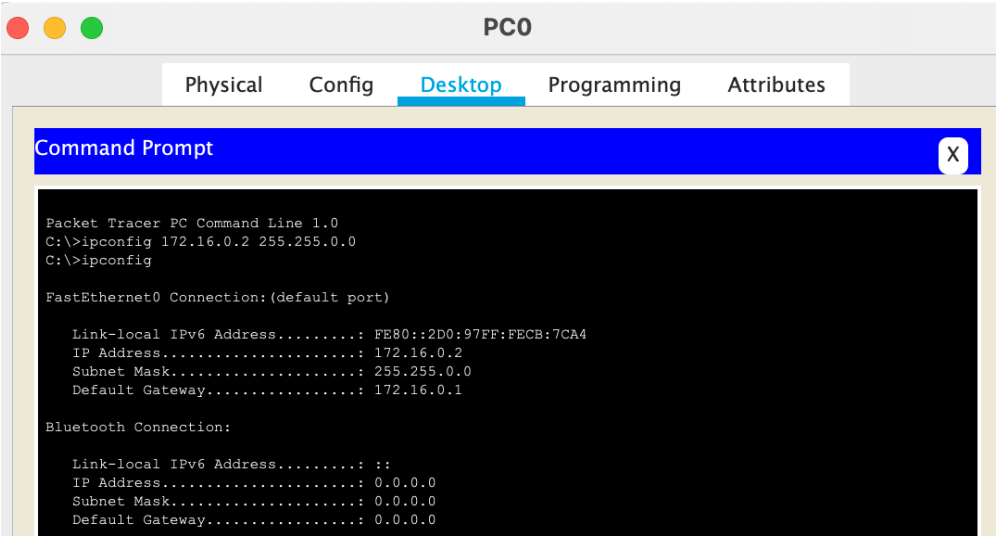
c) Konfigurasi Router-Access Point (Non-Kabel)

1) Membuat simulasi seperti yang ada di modul materi.

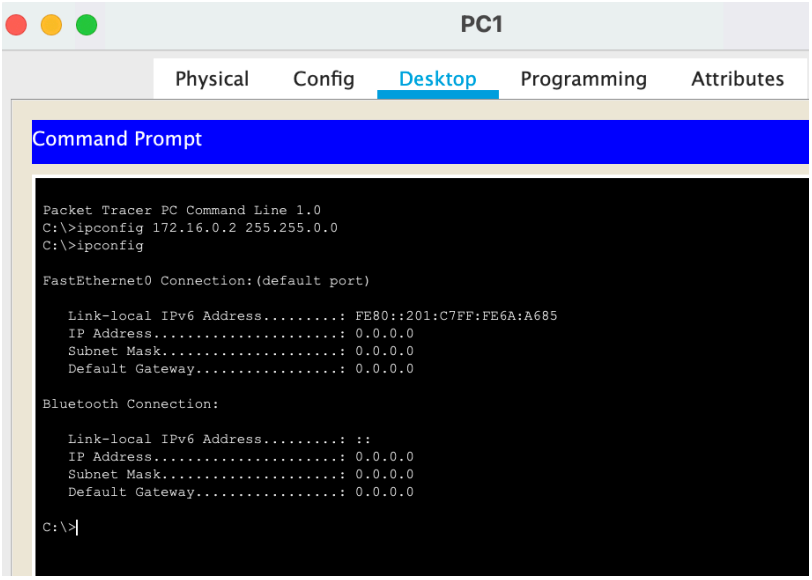


2) Konfigurasi IP address dan subnet mask sesuai ketentun modul.

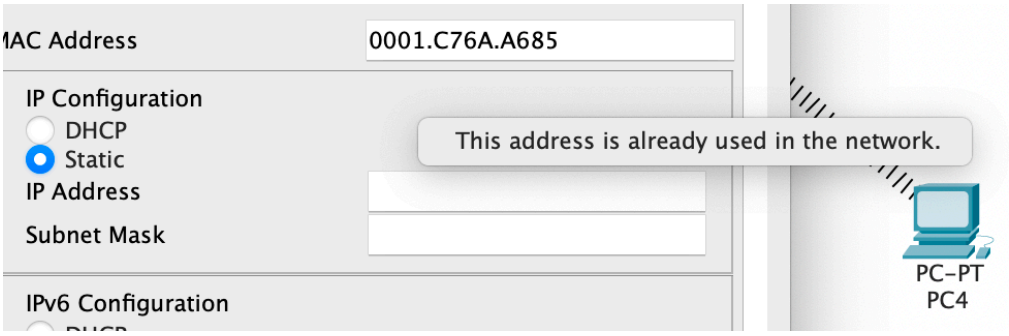
a. **PC0**



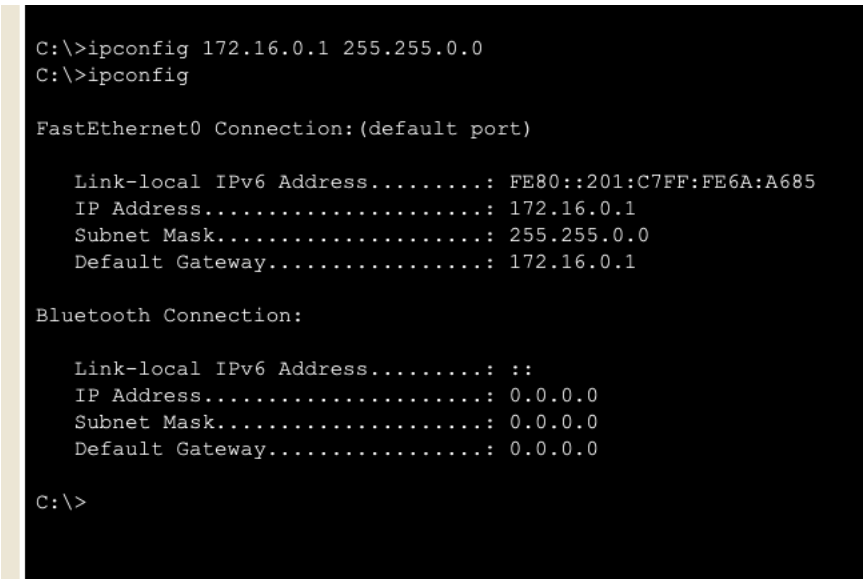
b. **PC1**: Pada saat saya melakukan konfigurasi IP Address melalui cmd, tidak berhasil. Seperti terlihat pada gambar di bawah ini:



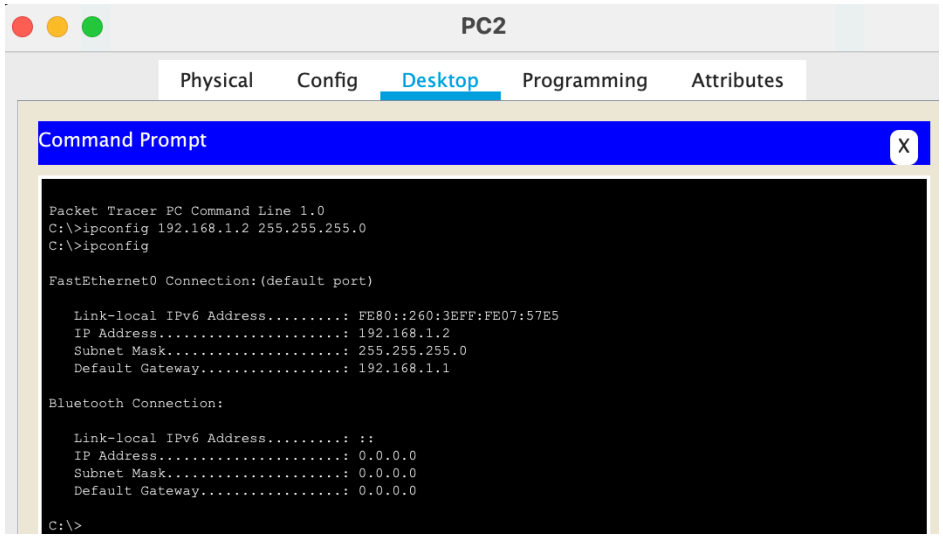
Kemudian saya coba konfigurasi melalui tab config. Kemudian muncul seperti gambar di bawah ini.



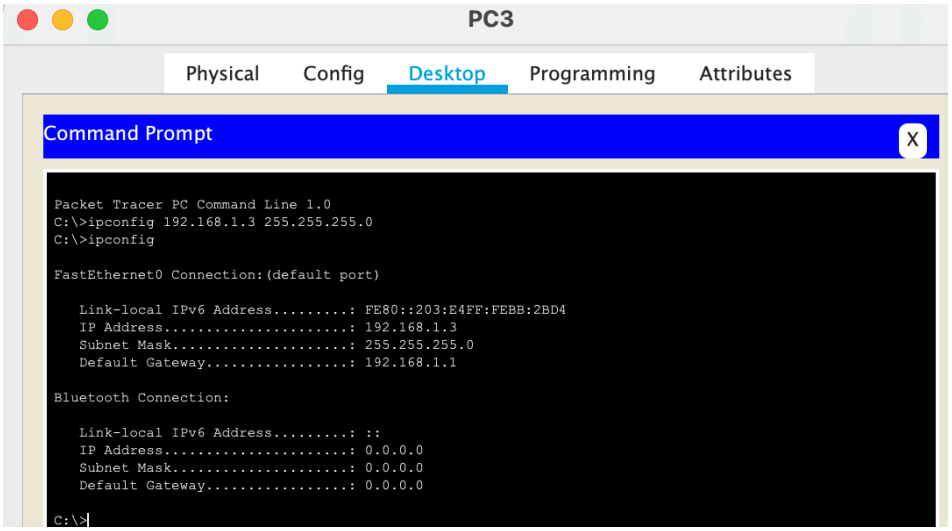
Dari gambar di atas menampilkan pesan bahwa alamat terbut telah digunakan pada jaringan lain dan setelah saya cek kembali bahwa memang sudah digunakan pada PC1. Karna hal ini, saya memutuskan untuk menggunakan alamat berbeda. Yaitu: `171.16.0.1 255.255.0.0`.



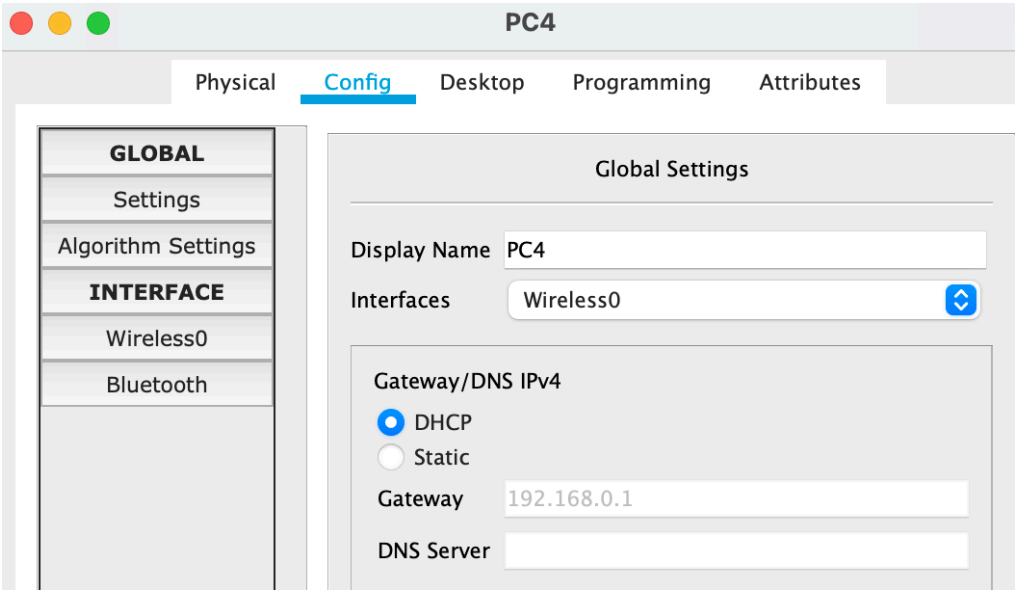
c. **PC2**



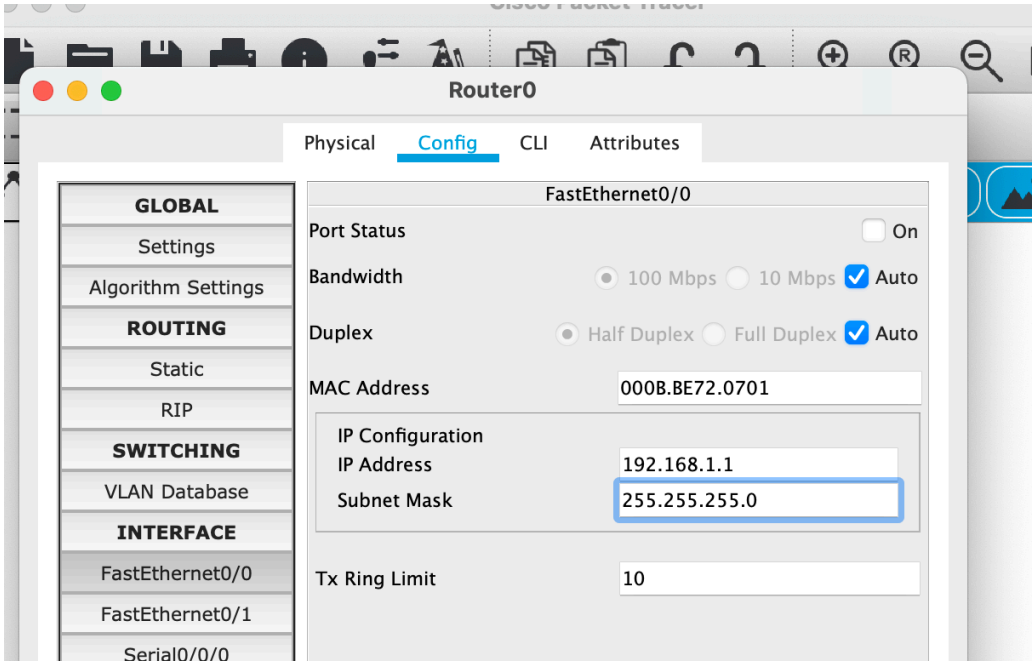
d. **PC3**

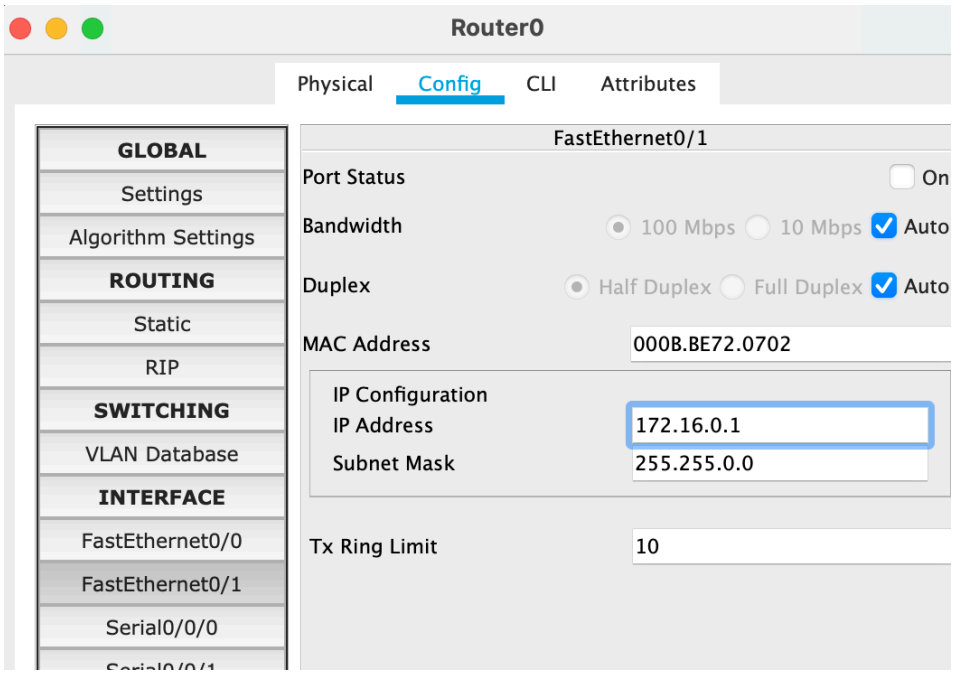


e. **PC4**

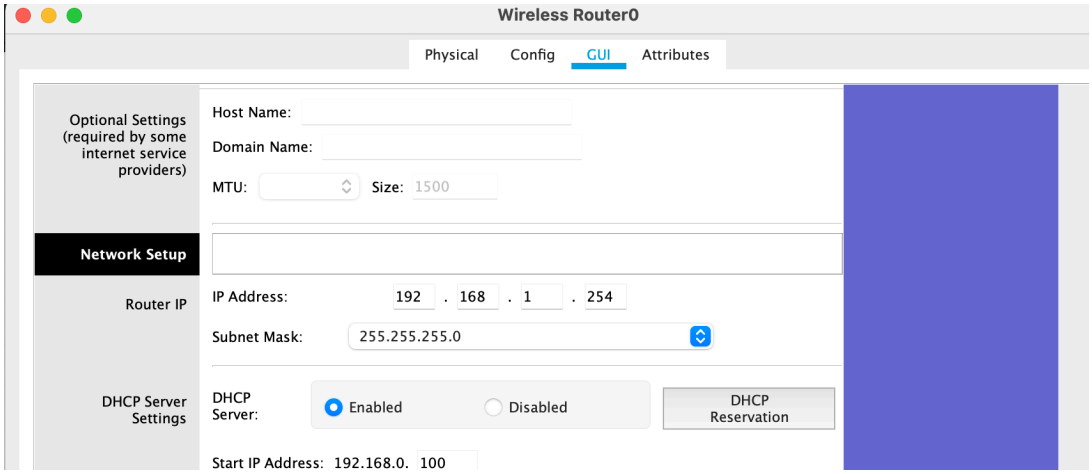


f. **Router0**



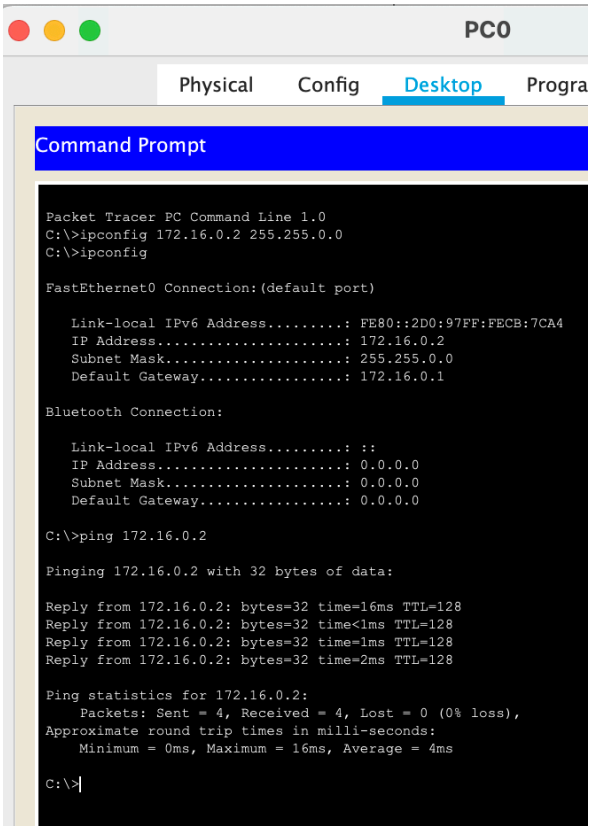


g. **Wireless Router0**

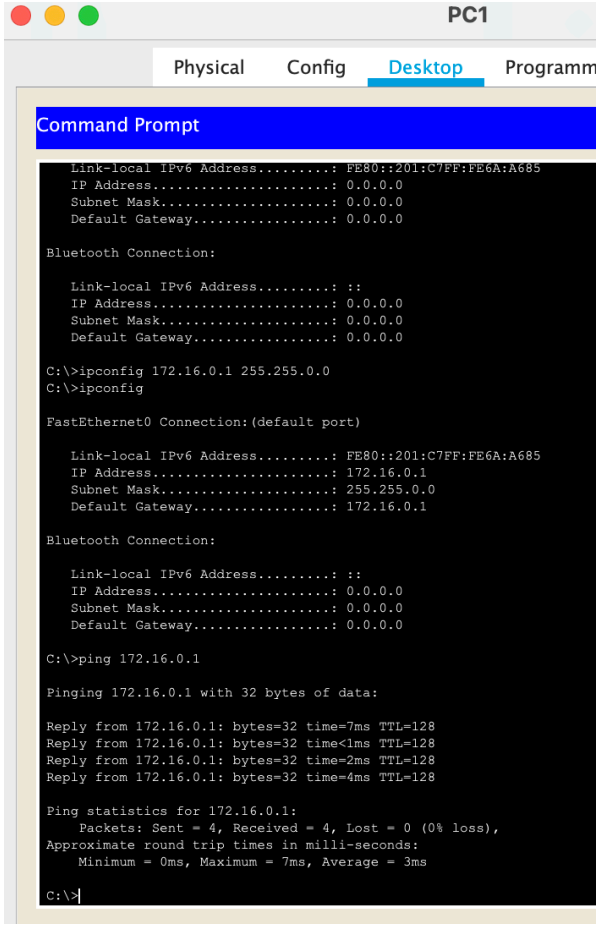


3) Test Koneksi

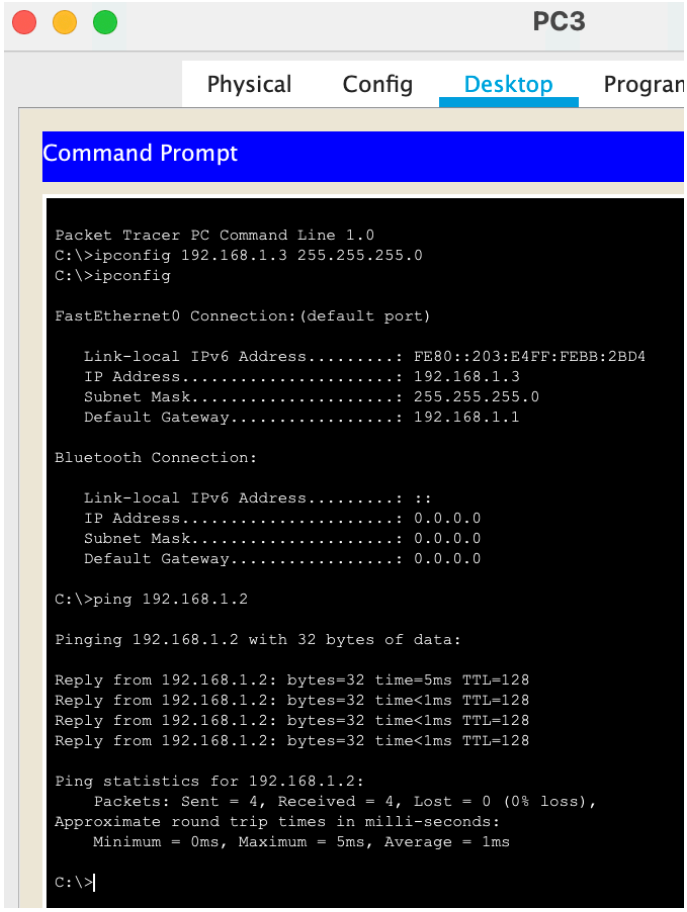
a. Koneksi antara PC0 dengan PC1: berhasil.



b. **PC1** dengan **PC2**



c. **PC2 dengan PC3**

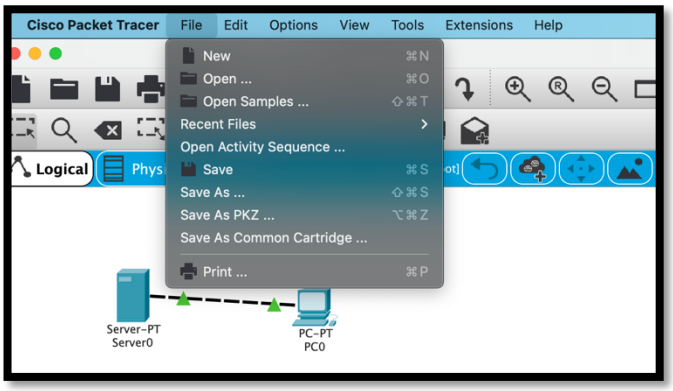


4) Save file dengan nama router_ap6.

Nama	**: Risky Fauziah**	**Mata Kuliah**	**: Praktikum Jaringan Komputer**
NIM	**: 171011450082**	**Tugas**	**: Pertemuan ke-7 (A)**

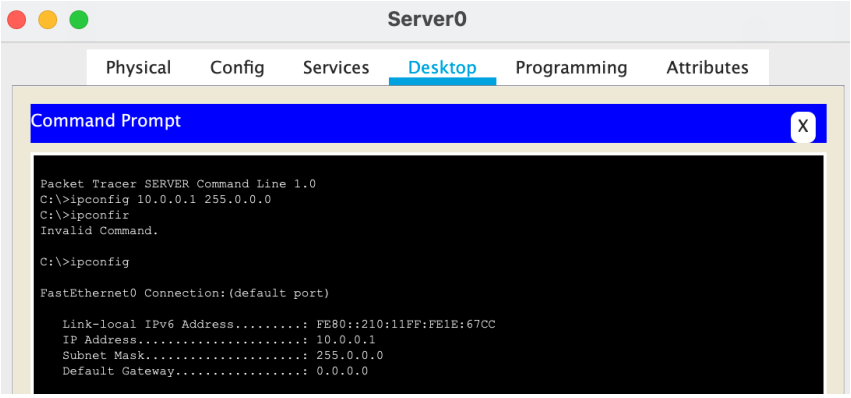
a. Konfigurasi DNS (Domain Name Server)

1 & 2) Project baru dan membuat simulasi seperti modul.

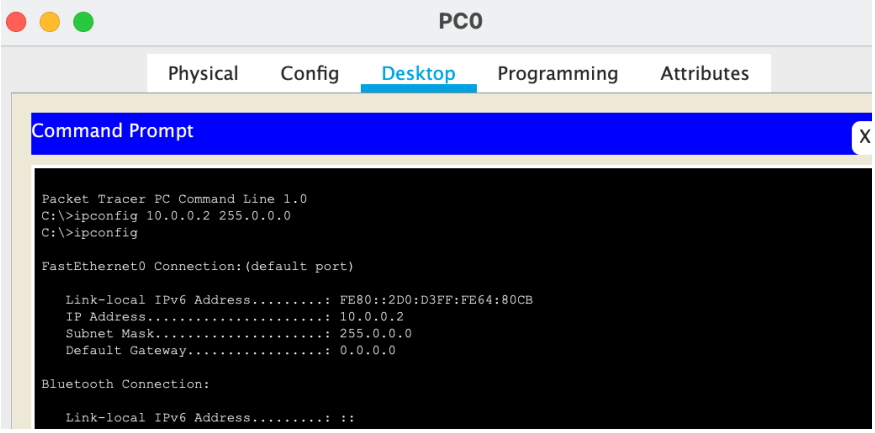


3) Konfigurasi IP Address:

a) Server0:



b) PC0:

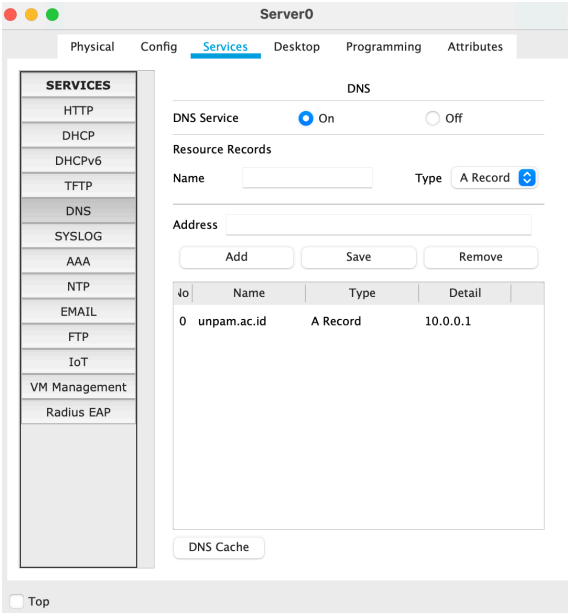


4) Test koneksi PC0 dengan Server & konfigurasi DNS.

a) Test koneksi.

```
C:\>ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:

Reply from 10.0.0.1: bytes=32 time=1ms TTL=128
Reply from 10.0.0.1: bytes=32 time<1ms TTL=128
Reply from 10.0.0.1: bytes=32 time<1ms TTL=128
Reply from 10.0.0.1: bytes=32 time<1ms TTL=128

Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

b) Konfigurasi DNS



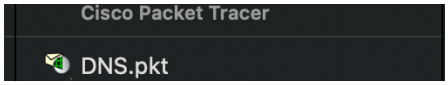
5) Tutup jendela server0

6) Mengecek koneksi ke web unpam.ac.id

```
C:\>nslookup unpam.ac.id

Server:  [255.255.255.255]
Address:   255.255.255.255

Non-authoritative answer:
Name:   unpam.ac.id
Address:   10.0.0.1

C:\>
```

7) Hasilnya, berhasil akses web unpam.ac.id seperti yang terlihat pada poin 6.

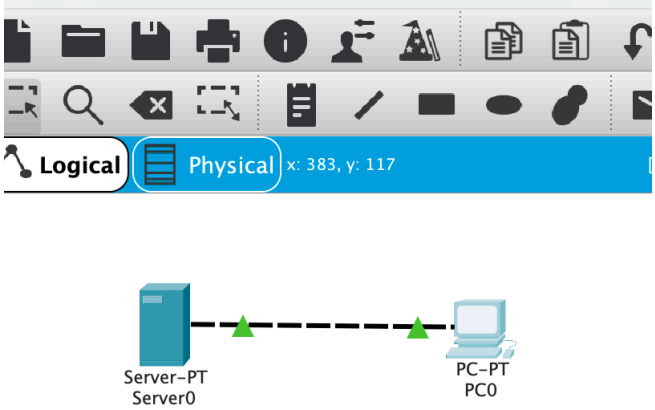
8) Simpan dengan nama DNS.



Nama	**: Risky Fauziah**	**Mata Kuliah**	**: Praktikum Jaringan Komputer**
NIM	**: 171011450082**	**Tugas**	**: Pertemuan ke-7 (B)**

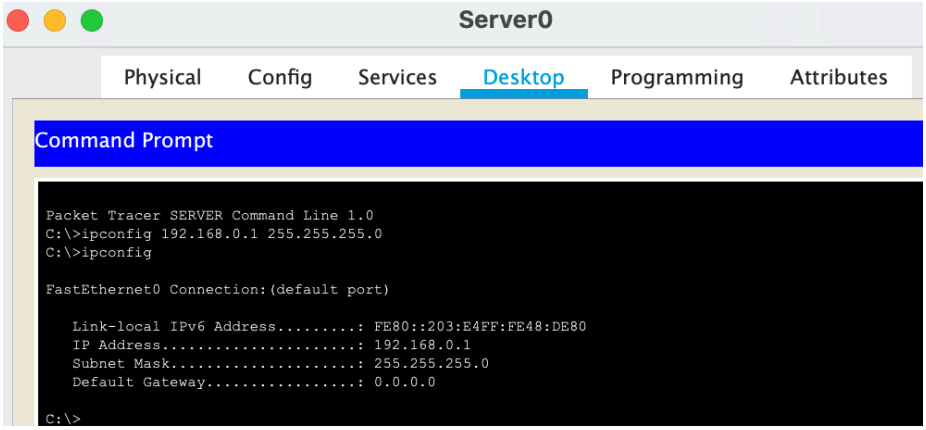
b) Konfigurasi HTTP (Hyper Text Transfer Protocol)

1) Buat simulasi seperti yang ada di modul.

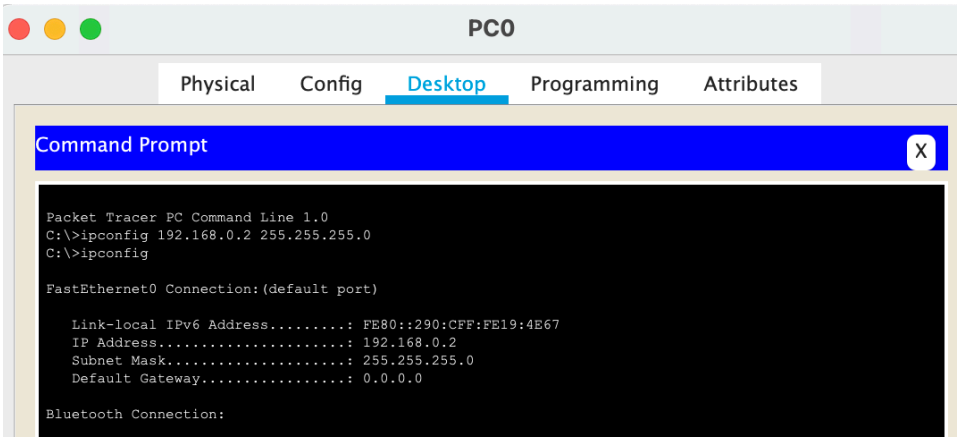


2) Konfigurasi IP address

a. Server0



b. PC0

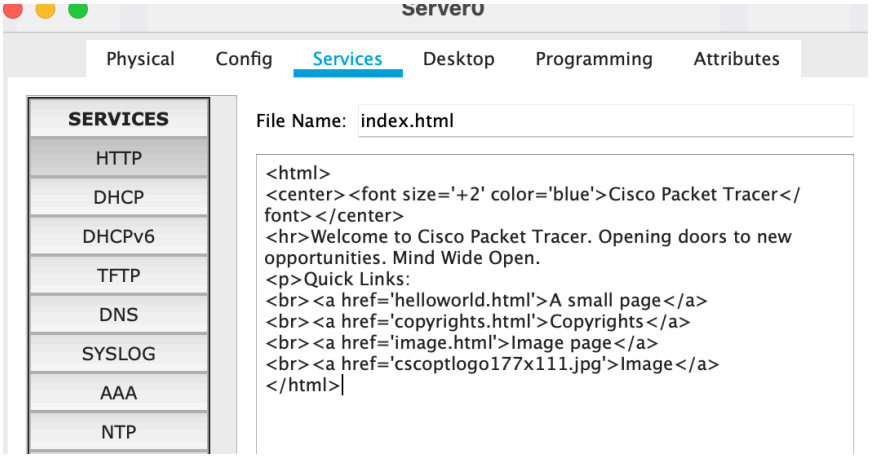


3) Test koneksi

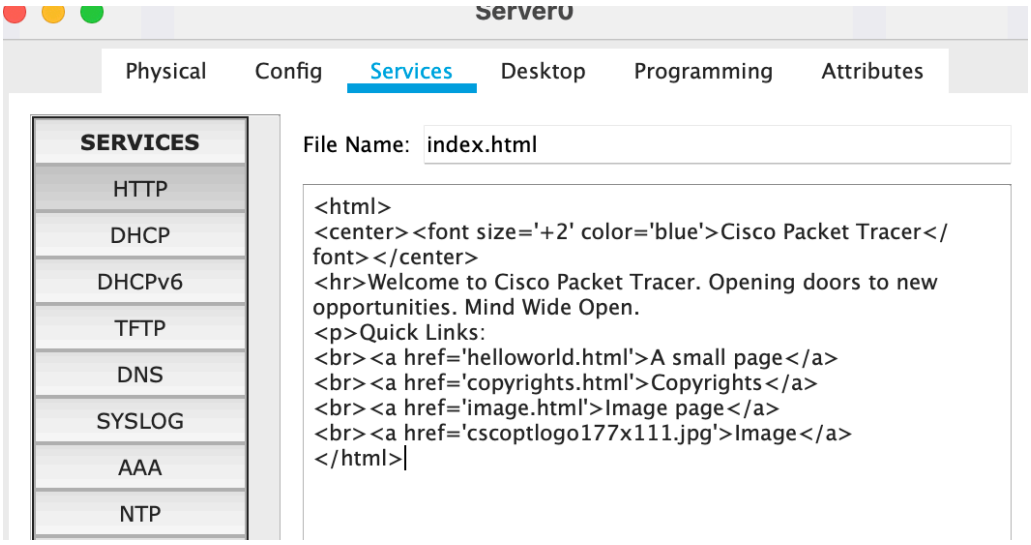
a. PC0 berhasil terhubung ke Server0:

```
C:\>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:

Reply from 192.168.0.1: bytes=32 time=1ms TTL=128
Reply from 192.168.0.1: bytes=32 time<1ms TTL=128
Reply from 192.168.0.1: bytes=32 time<1ms TTL=128
Reply from 192.168.0.1: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

b. Isi file index.html:



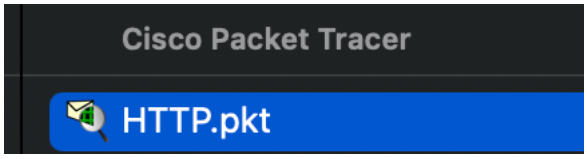
c. e. editing file index.html sesuai modul:



d. Tutup jendela server0.

e. Test halaman website

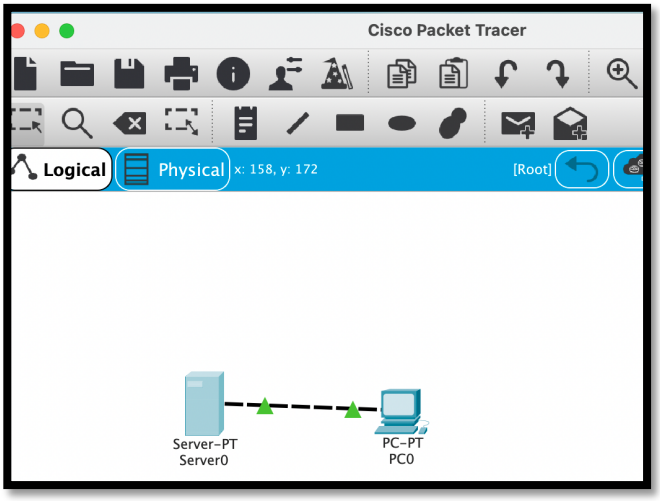
f. Simpan dile dengan nama HTTP.



Nama	**: Risky Fauziah**	**Mata Kuliah**	**: Praktikum Jaringan Komputer**
NIM	**: 171011450082**	**Tugas**	**: Pertemuan ke-7 (C)**

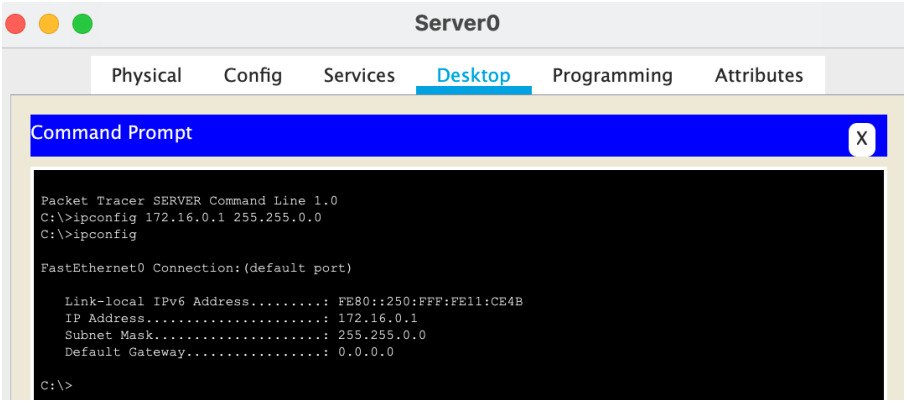
c) Konfigurasi FTP (File Transfer Protocol)

1) Buat simulasi seperti yang ada di modul.

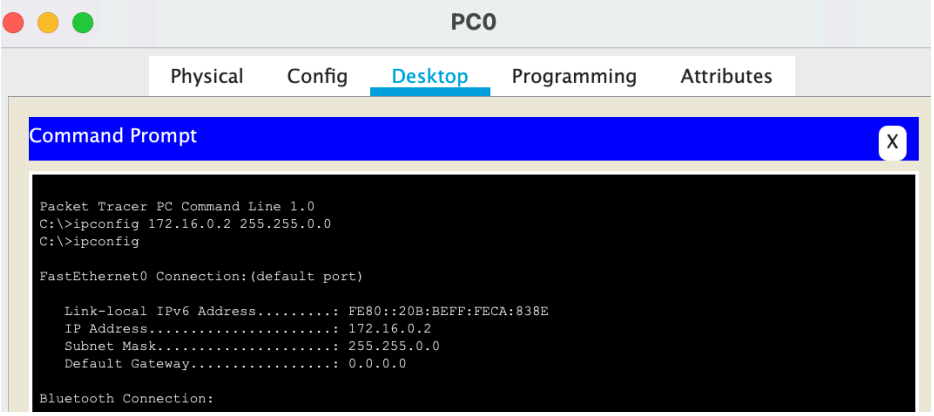


2) Konfigurasi IP Address

a. Server0



b. PC0

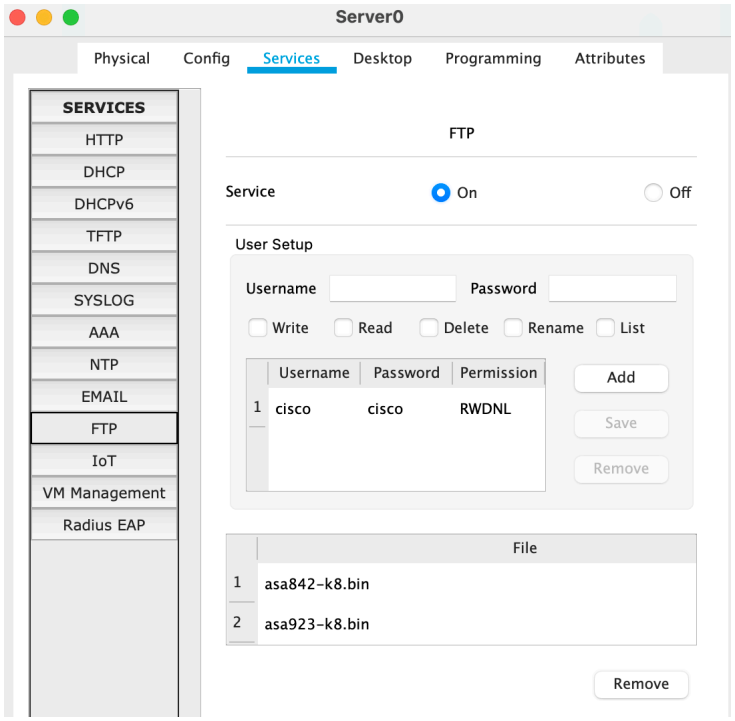


3) Test koneksi & aktifkan FTP

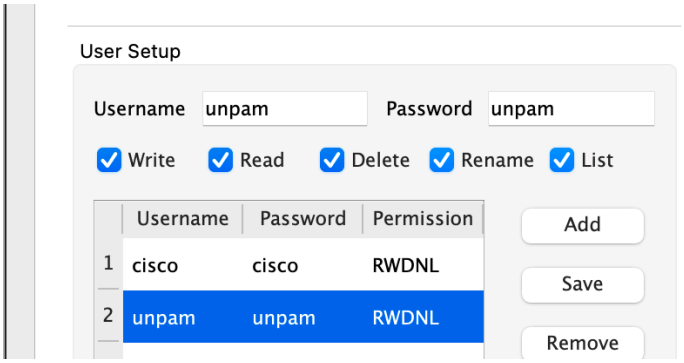
a. PC0 terhubung Server0

```
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=1ms TTL=128
Reply from 172.16.0.1: bytes=32 time<1ms TTL=128
Reply from 172.16.0.1: bytes=32 time<1ms TTL=128
Reply from 172.16.0.1: bytes=32 time=1ms 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 = 1ms, Average = 0ms

C:\>
```

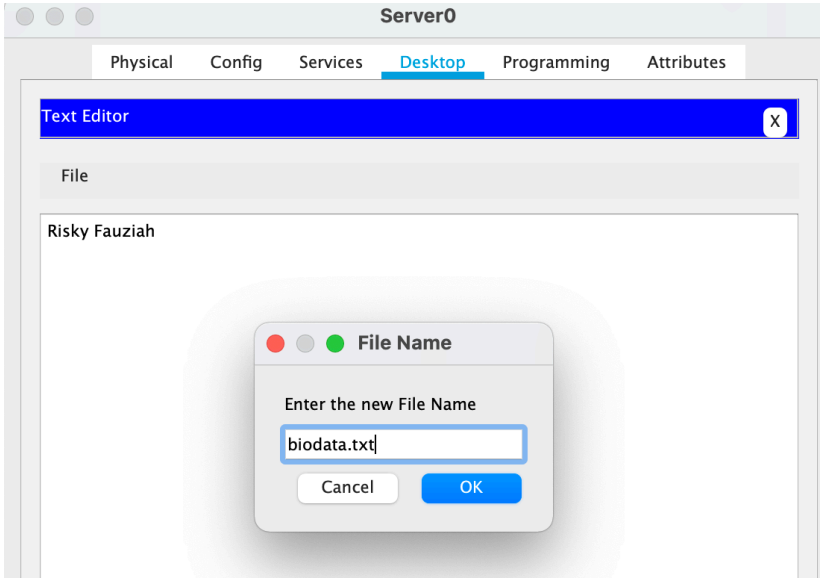
b. Aktifkan FTP



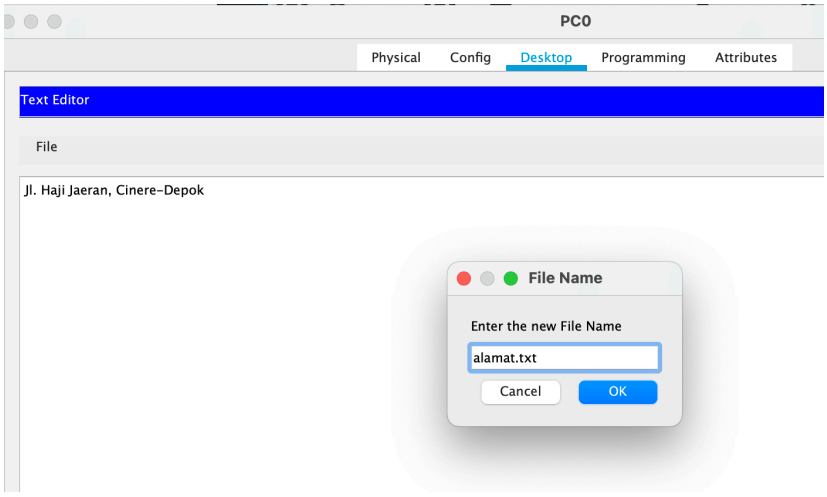
c. Tambahkan user



d. Membuat file biodata.txt di server0.

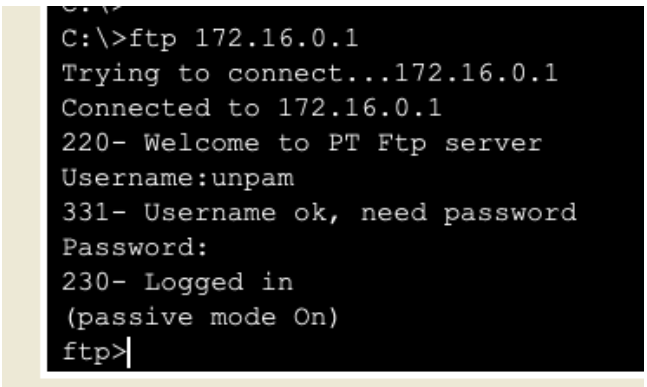


e. Membuat file alamat.txt di PC0.

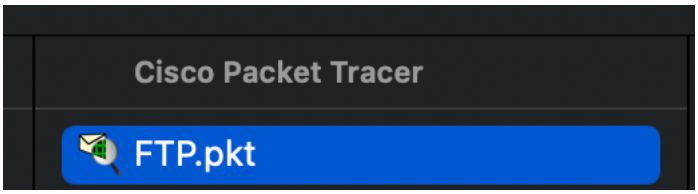


f. Menggunakan layanan FTP pada PC0

1) Login ke Sever0



2) Daftar file di dalam server0

```
230- Logged in
(passive mode On)
ftp>dir

Listing /ftp directory from 172.16.0.1:
0   : asa842-k8.bin                                    5571584
1   : asa923-k8.bin                                    30468096
2   : c1841-advipservicesk9-mz.124-15.T1.bin           33591768
3   : c1841-ipbase-mz.123-14.T7.bin                    13832032
4   : c1841-ipbasek9-mz.124-12.bin                     16599160
5   : c1900-universalk9-mz.SPA.155-3.M4a.bin           33591768
6   : c2600-advipservicesk9-mz.124-15.T1.bin           33591768
7   : c2600-i-mz.122-28.bin                            5571584
8   : c2600-ipbasek9-mz.124-8.bin                      13169700
9   : c2800nm-advipservicesk9-mz.124-15.T1.bin         50938004
10  : c2800nm-advipservicesk9-mz.151-4.M4.bin          33591768
11  : c2800nm-ipbase-mz.123-14.T7.bin                  5571584
12  : c2800nm-ipbasek9-mz.124-8.bin                    15522644
13  : c2900-universalk9-mz.SPA.155-3.M4a.bin           33591768
14  : c2950-i6q4l2-mz.121-22.EA4.bin                   3058048
15  : c2950-i6q4l2-mz.121-22.EA8.bin                   3117390
16  : c2960-lanbase-mz.122-25.FX.bin                   4414921
17  : c2960-lanbase-mz.122-25.SEE1.bin                 4670455
18  : c2960-lanbasek9-mz.150-2.SE4.bin                 4670455
19  : c3560-advipservicesk9-mz.122-37.SE1.bin          8662192
20  : c3560-advipservicesk9-mz.122-46.SE.bin           10713279
21  : c800-universalk9-mz.SPA.152-4.M4.bin             33591768
22  : c800-universalk9-mz.SPA.154-3.M6a.bin            83029236
23  : cat3k_caa-universalk9.16.03.02.SPA.bin           505532849
24  : cgr1000-universalk9-mz.SPA.154-2.CG              159487552
25  : cgr1000-universalk9-mz.SPA.156-3.CG              184530138
26  : ir800-universalk9-bundle.SPA.156-3.M.bin         160968869
27  : ir800-universalk9-mz.SPA.155-3.M                 61750062
28  : ir800-universalk9-mz.SPA.156-3.M                 63753767
29  : ir800_yocto-1.7.2.tar                            2877440
30  : ir800_yocto-1.7.2_python-2.7.3.tar               6912000
31  : pt1000-i-mz.122-28.bin                           5571584
32  : pt3000-i6q4l2-mz.121-22.EA4.bin                  3117390
ftp>
```

3) Simpan dengan nama FTP