

Nama : Dwi Alvian Verry A

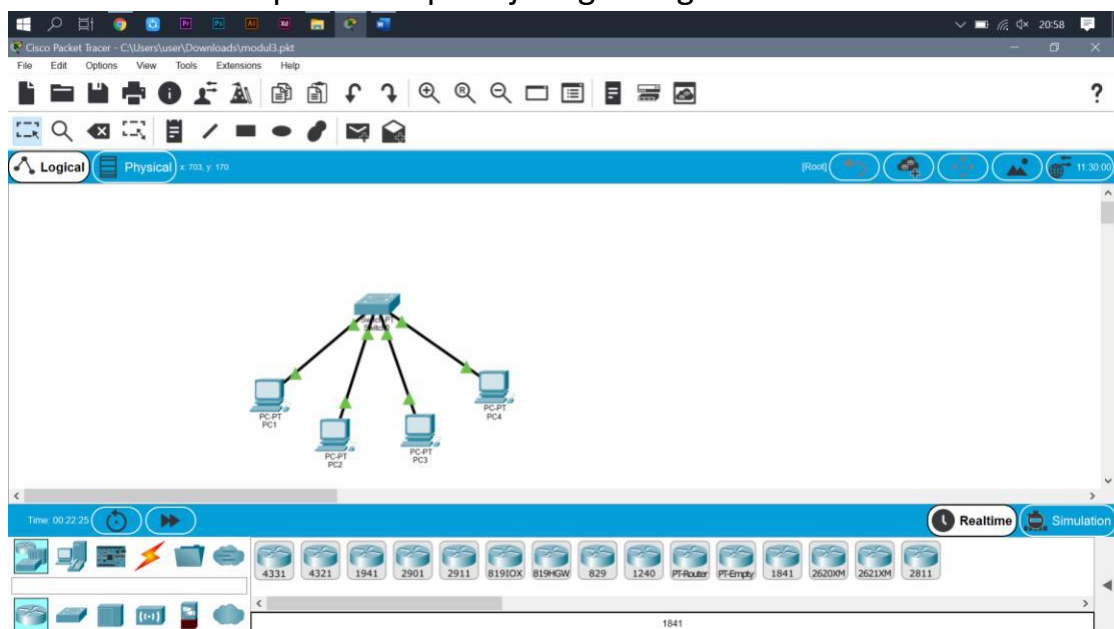
NIM : L200180052

Kelas : B

## MODUL 3

### Kegiatan 1

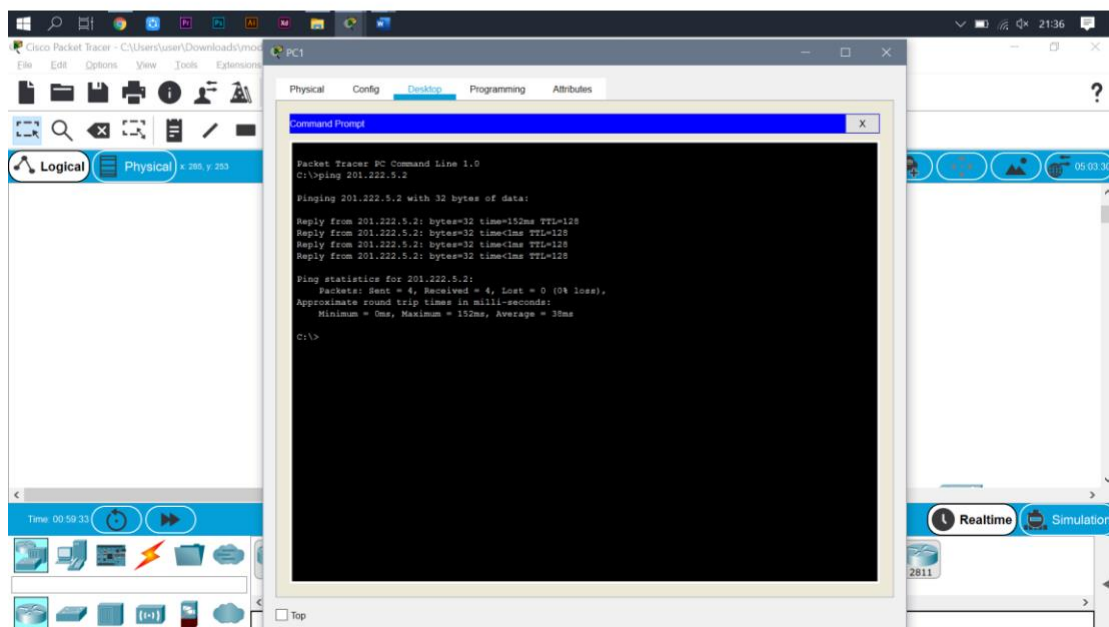
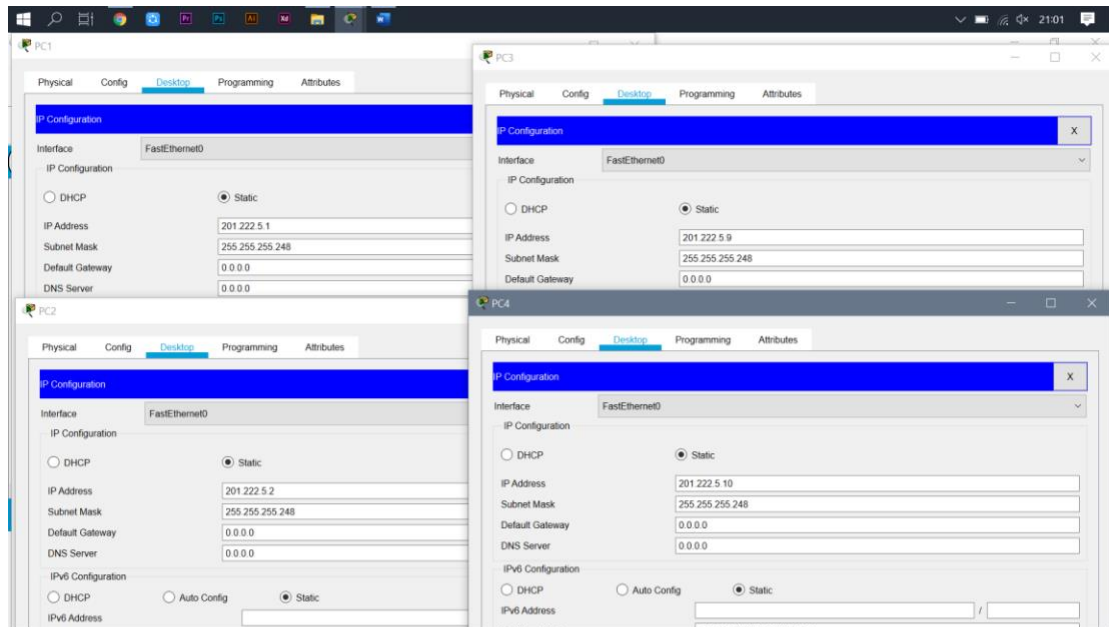
Gambar susunan peralatan pada jaringan kegiatan 1



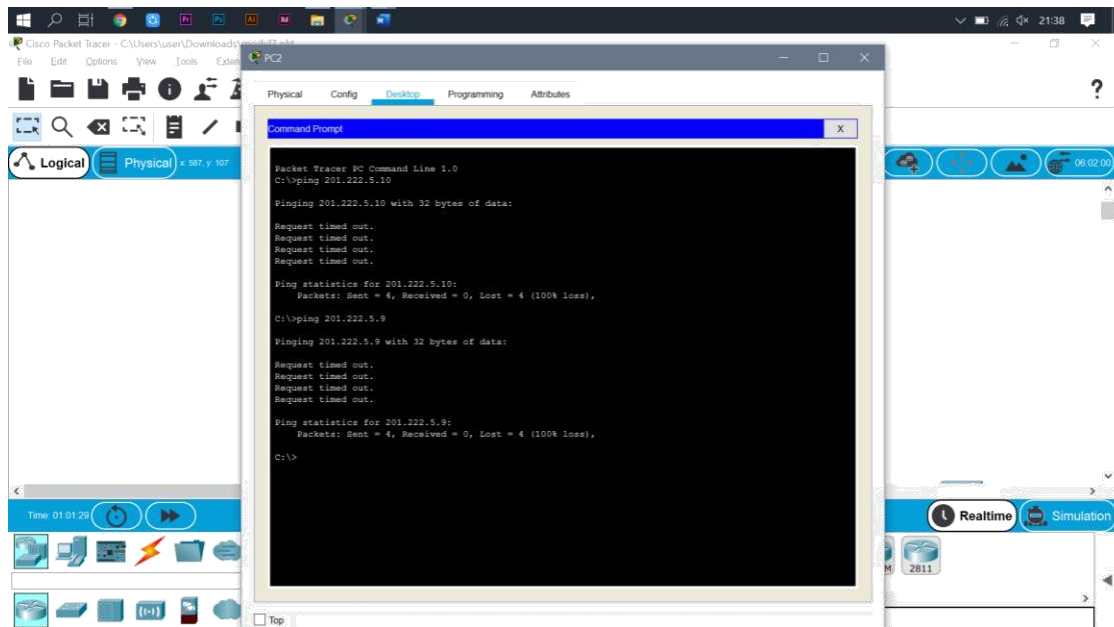
Pengaturan alamat IP pada masing-masing PC dengan ketentuan :

PC	IP Address	Subnet Mask
1	201.222.5.1	255.255.255.248
2	201.222.5.2	
3	201.222.5.9	
4	201.222.5.10	

Mengalamatkan IP pada PC sesuai tabel

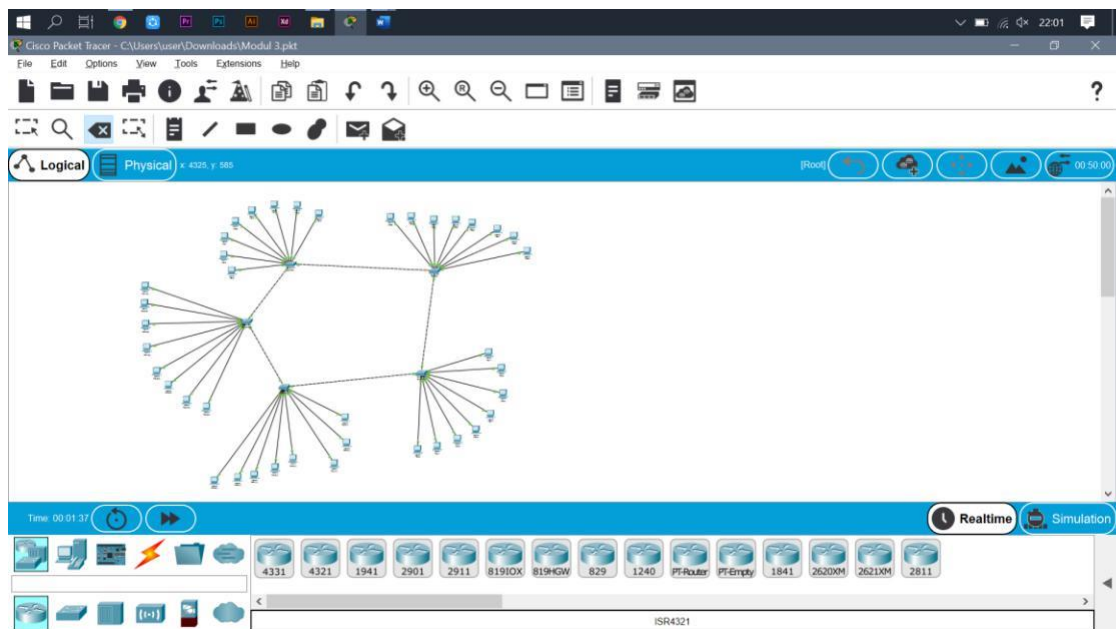


PC1 ketika dihubungkan dengan PC2 terhubung karena network addressnya sama, sedangkan



PC2 dihubungkan ke PC3 atau PC4 tidak terhubung karena network addressnya berbeda.

## Tugas Modul



Network ID 202.155.19.0 dengan subnet mask default 255.255.255.0

11111111.11111111.11111111.00000000

255.255.255.0

1. Jumlah subnet:  $2^x = 2^0 = 1$  subnet
2. Jumlah host:  $2^y - 2 = 2^8 - 2 = 256 - 2 = 254$  host
3. Blok subnet:  $256 - 0 = 256$
4. Table subnet:

Network	202.155.19.0
Host pertama	202.155.19.1
Host terakhir	202.155.19.254
Broadcast	202.155.19.255

## Memberikan IP Address pada semua PC

The image displays two screenshots of the Packet Tracer configuration interface, specifically the 'Desktop' tab for two different PCs, PC0 and PC49. Both configurations are set to 'Static' IP addressing.

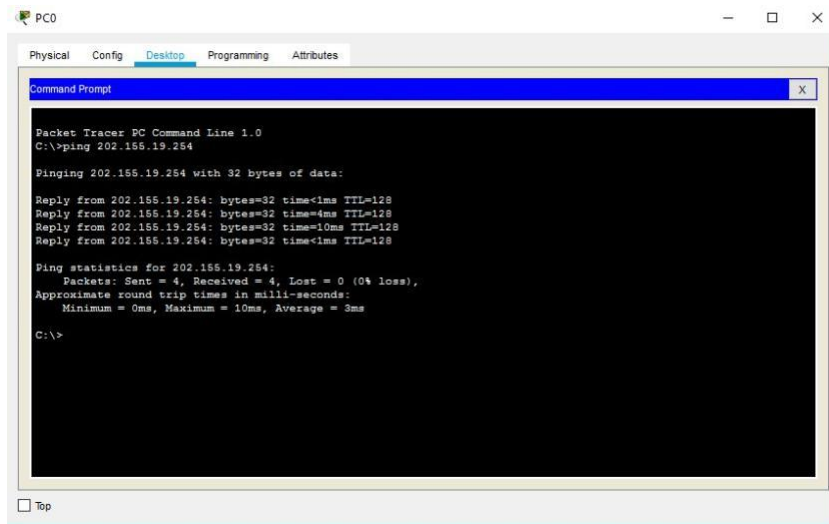
**PC0 Configuration:**

- Physical:** DHCP (unselected), Static (selected).
- IP Address:** 202.155.19.1
- Subnet Mask:** 255.255.255.0
- Default Gateway:** 0.0.0.0
- DNS Server:** 0.0.0.0
- IPv6 Configuration:** DHCP (unselected), Auto Config (unselected), Static (selected).
  - IPv6 Address:** (empty)
  - Link Local Address:** FE80::203:E4FF:FE84:53B
  - IPv6 Gateway:** (empty)
  - IPv6 DNS Server:** (empty)
- 802.1X:** Use 802.1X Security (unchecked).
  - Authentication:** MD5
  - Username:** (empty)
  - Password:** (empty)

**PC49 Configuration:**

- Physical:** DHCP (unselected), Static (selected).
- IP Address:** 202.155.19.254
- Subnet Mask:** 255.255.255.0
- Default Gateway:** 0.0.0.0
- DNS Server:** 0.0.0.0
- IPv6 Configuration:** DHCP (unselected), Auto Config (unselected), Static (selected).
  - IPv6 Address:** (empty)
  - Link Local Address:** FE80::2E0:F7FF:FE39:286D
  - IPv6 Gateway:** (empty)
  - IPv6 DNS Server:** (empty)
- 802.1X:** Use 802.1X Security (unchecked).
  - Authentication:** MD5
  - Username:** (empty)
  - Password:** (empty)

Melakukan ping di PC 0 dengan IP Address PC 49



```
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.254

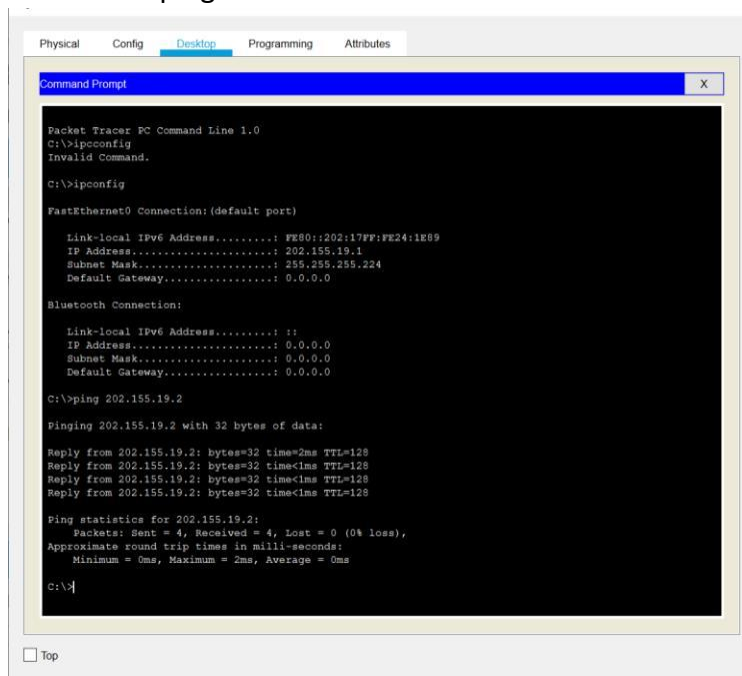
Pinging 202.155.19.254 with 32 bytes of data:

Reply from 202.155.19.254: bytes=32 time<1ms TTL=128
Reply from 202.155.19.254: bytes=32 time<1ms TTL=128
Reply from 202.155.19.254: bytes=32 time=10ms TTL=128
Reply from 202.155.19.254: bytes=32 time<1ms TTL=128

Ping statistics for 202.155.19.254:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 10ms, Average = 3ms

C:\>
```

Melakukan ping dari PC Divisi 1 ke PC Divisi 1



```
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ipconfig
Invalid Command.

C:\>ipconfig

FastEthernet0 Connection: (default port)
    Link-local IPv6 Address . . . . . FE80::202:17FF:FE24:1E89
    IP Address. . . . . 202.155.19.1
    Subnet Mask . . . . . 255.255.255.224
    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:\>ping 202.155.19.2

Pinging 202.155.19.2 with 32 bytes of data:

Reply from 202.155.19.2: bytes=32 time=2ms TTL=128
Reply from 202.155.19.2: bytes=32 time<1ms TTL=128
Reply from 202.155.19.2: bytes=32 time<1ms TTL=128
Reply from 202.155.19.2: bytes=32 time<1ms TTL=128

Ping statistics for 202.155.19.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>
```

Dapat terhubung karena network addressnya sama.

Melakukan ping dari PC Divisi 1 ke PC Divisi 2

```
C:\>ping 202.155.19.33

Pinging 202.155.19.33 with 32 bytes of data:

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

Ping statistics for 202.155.19.33:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>|
```

Terjadi Request Timed Out karena network addressnya berbeda.

Melakukan ping dari PC Divisi 1 ke PC Divisi 3

```
C:\>ping 202.155.19.65

Pinging 202.155.19.65 with 32 bytes of data:

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

Ping statistics for 202.155.19.65:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>|
```

Terjadi Request Timed Out karena network addressnya berbeda.

Melakukan ping dari PC Divisi 1 ke PC Divisi 4

```
C:\>ping 202.155.19.97

Pinging 202.155.19.97 with 32 bytes of data:

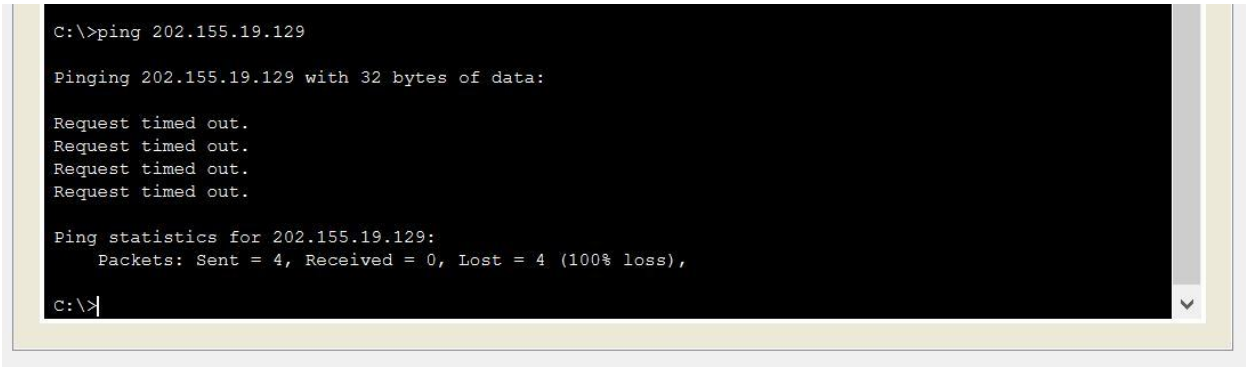
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 202.155.19.97:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>|
```

Terjadi Request Timed Out karena network addressnya berbeda.

Melakukan ping dari PC Divisi 1 ke PC Divisi 5

A screenshot of a Windows command prompt window with a black background and white text. The text shows a user entering a ping command, followed by the system's response indicating that all four packets were lost, resulting in a 100% loss. The prompt ends with the user's cursor at the command line.

```
C:\>ping 202.155.19.129

Pinging 202.155.19.129 with 32 bytes of data:

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

Ping statistics for 202.155.19.129:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Terjadi Request Timed Out karena network addressnya berbeda