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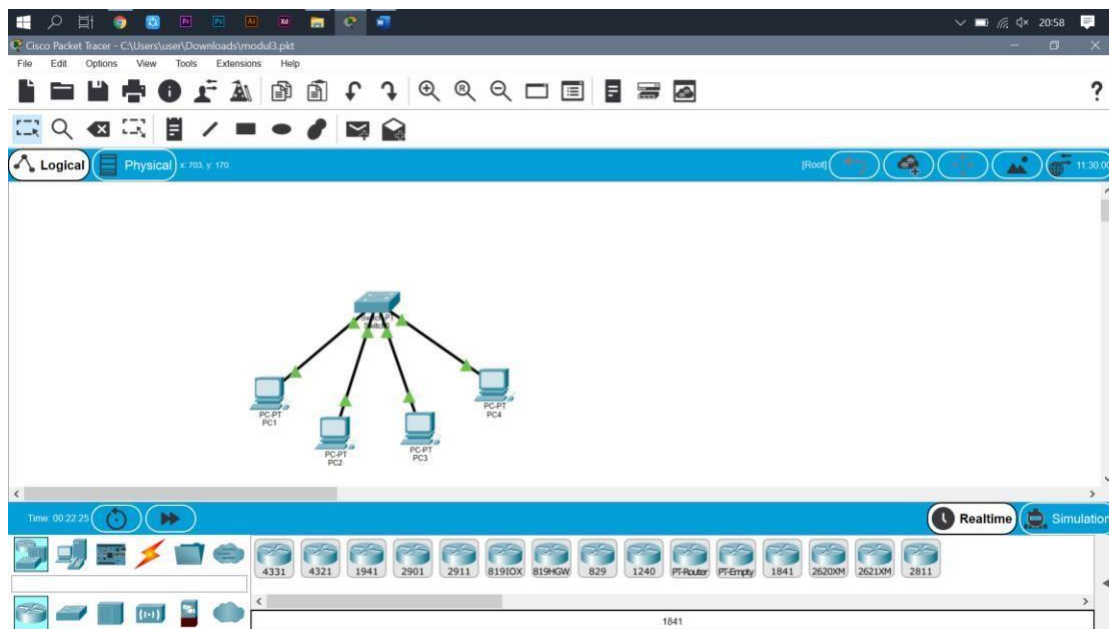
NIM : L200180050

Kelas : B

## MODUL 3

### Kegiatan 1

Gambar susunan peralatan pada jaringan kegiatan 1

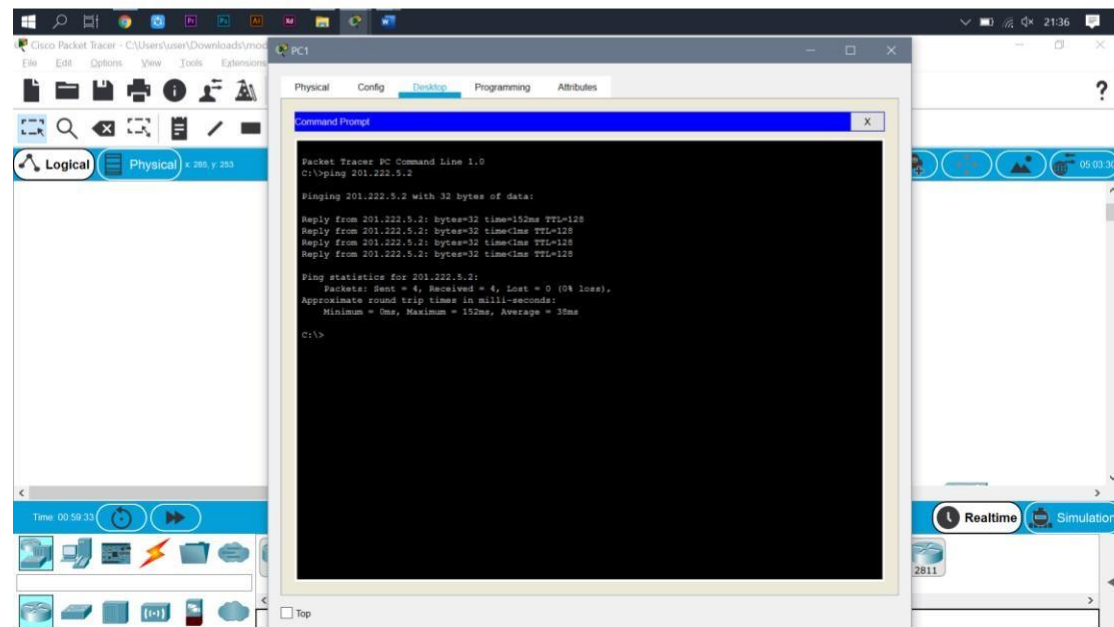
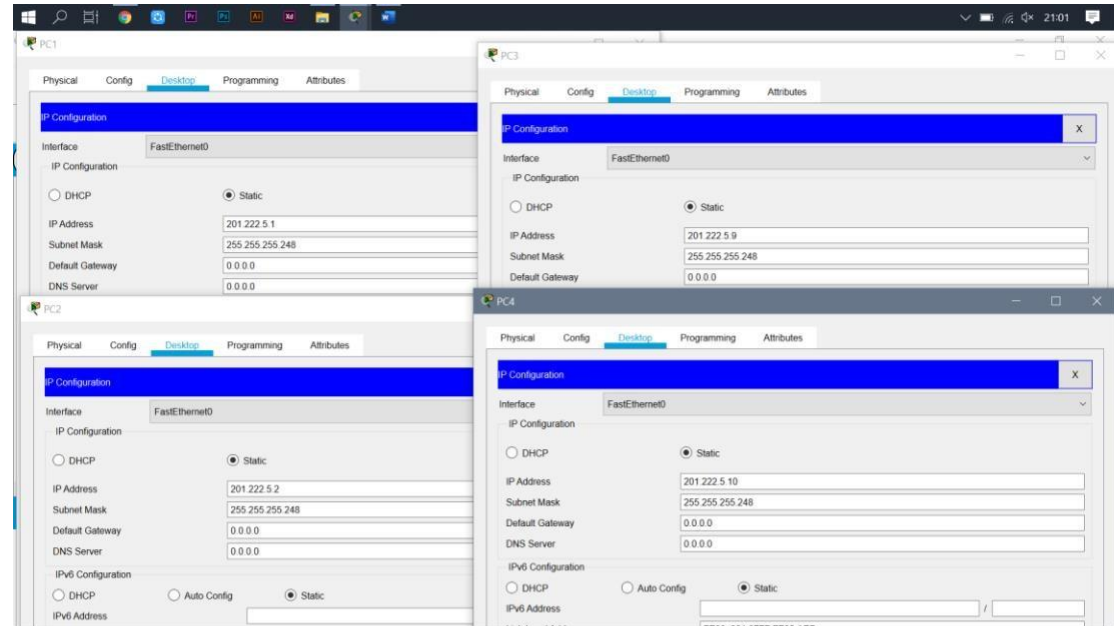


Pengaturan alamat IP pada masing-masing PC dengan ketentuan :

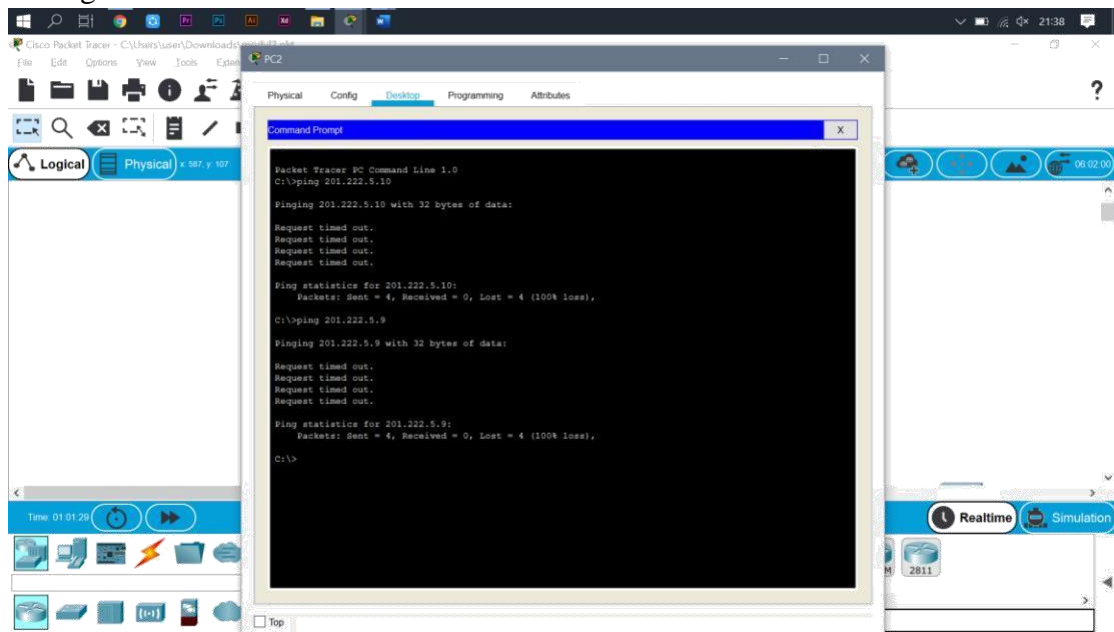
| PC | IP Address  | Subnet Mask     |
|----|-------------|-----------------|
| 1  | 201.222.5.1 | 255.255.255.248 |
| 2  | 201.222.5.2 |                 |

|   |              |
|---|--------------|
| 3 | 201.222.5.9  |
| 4 | 201.222.5.10 |

Mengalamatkan IP pada PC sesuai tabel



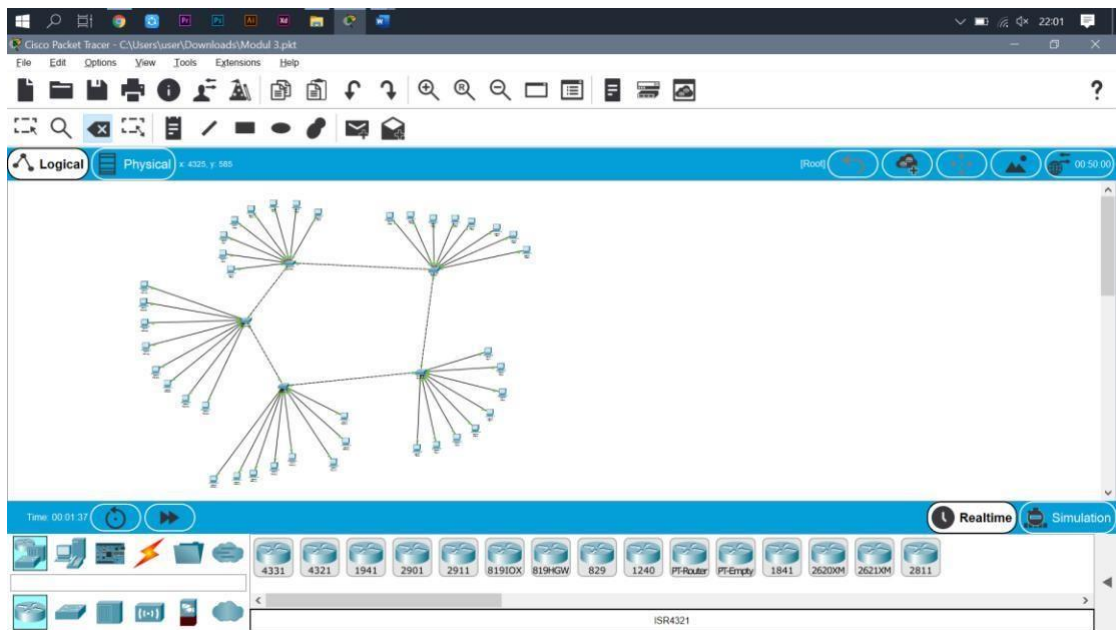
PC1 ketika dihubungkan dengan PC2 terhubung karena network addressnya sama, sedangkan



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

PC0

Physical
Config
Desktop
Programming
Attributes

☐ DHCP
☒ Static

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
☐ Auto Config
☒ Static

IPv6 Address
/

Link Local Address
FE80::203:E4FF:FE84:53B

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication
MD5

Username

Password

☐ Top

PC49

Physical
Config
Desktop
Programming
Attributes

☐ DHCP
☒ Static

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
☐ Auto Config
☒ Static

IPv6 Address
/

Link Local Address
FE80::2E0:F7FF:FE39:286D

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

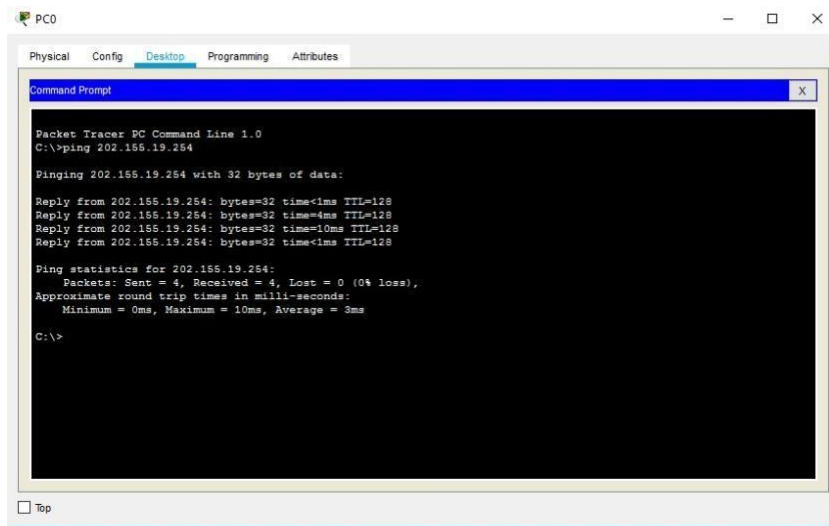
Authentication
MD5

Username

Password

☐ Top

Melakukan ping di PC 0 dengan IP Address PC 49



The screenshot shows the Packet Tracer PC0 Command Prompt window. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, showing a black command prompt window with white text. The text shows the execution of the 'ping' command to the IP address 202.155.19.254. The output indicates that the ping was successful, with 4 packets sent and 4 received, resulting in 0% loss. The approximate round trip times are shown as Minimum = 0ms, Maximum = 10ms, and Average = 3ms.

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.254

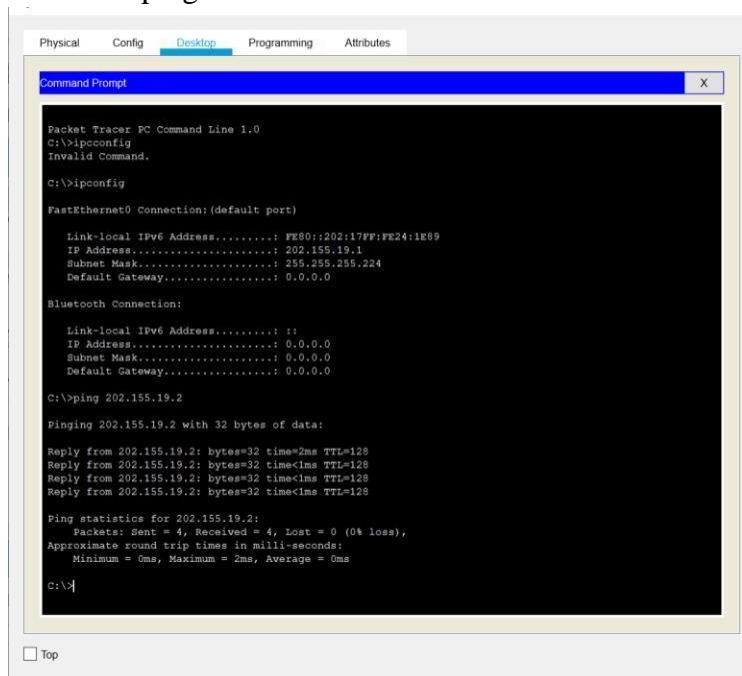
Pinging 202.155.19.254 with 32 bytes of data:

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



The screenshot shows the Packet Tracer PC0 Command Prompt window. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, showing a black command prompt window with white text. The text shows the execution of the 'ipconfig' command, which displays the network configuration for the PC. The configuration includes a Link-local IPv6 Address, IP Address (202.155.19.1), Subnet Mask (255.255.255.224), and Default Gateway (0.0.0.0). The output also shows the results of a ping command to the IP address 202.155.19.2. The ping was successful, with 4 packets sent and 4 received, resulting in 0% loss. The approximate round trip times are shown as Minimum = 0ms, Maximum = 2ms, and Average = 0ms.

```
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

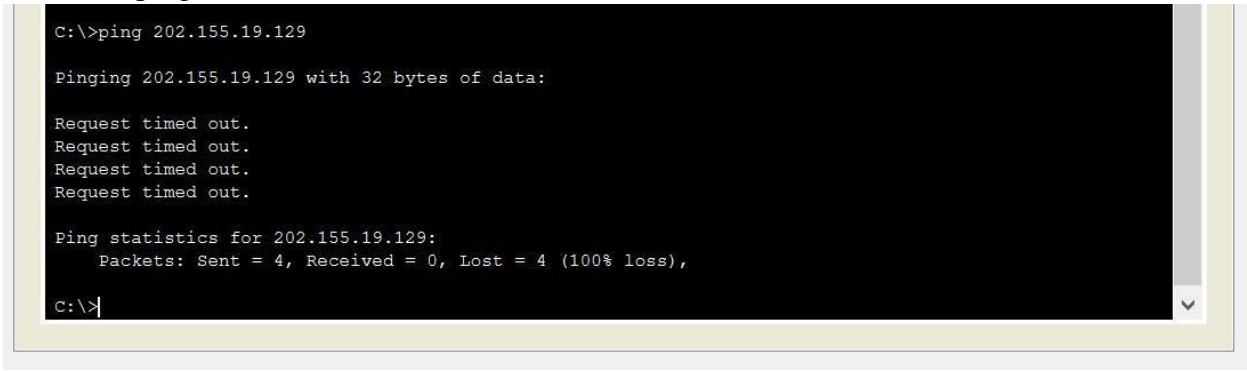
Pinging 202.155.19.97 with 32 bytes of data:

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 requests timed out and that there is a 100% loss of packets.

```
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