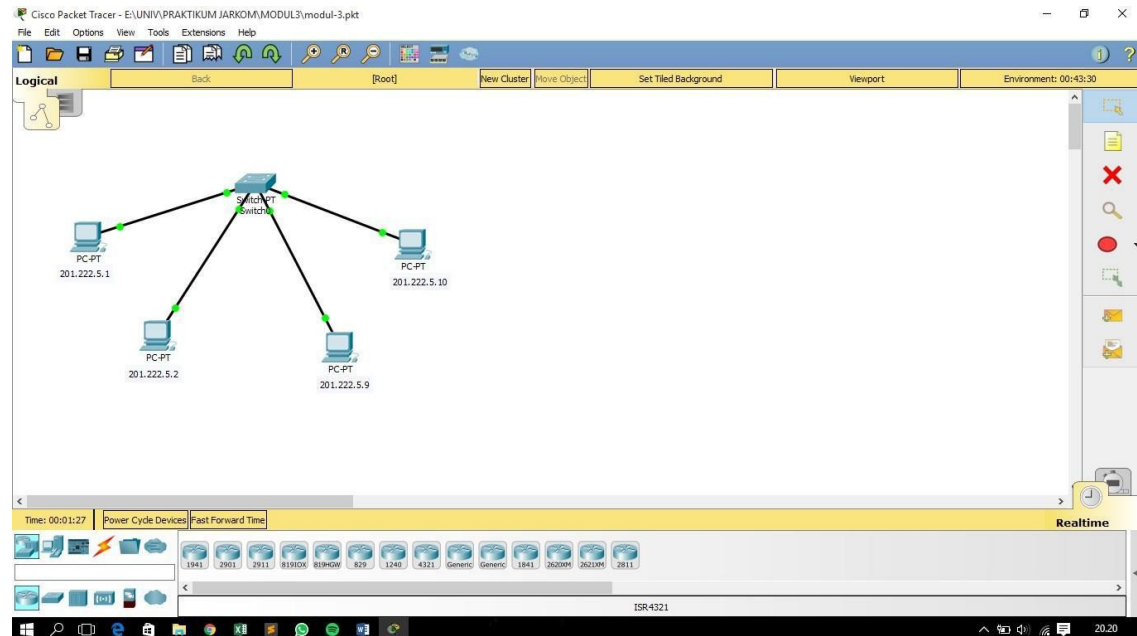


Nama : Thofikh Bisyrn T

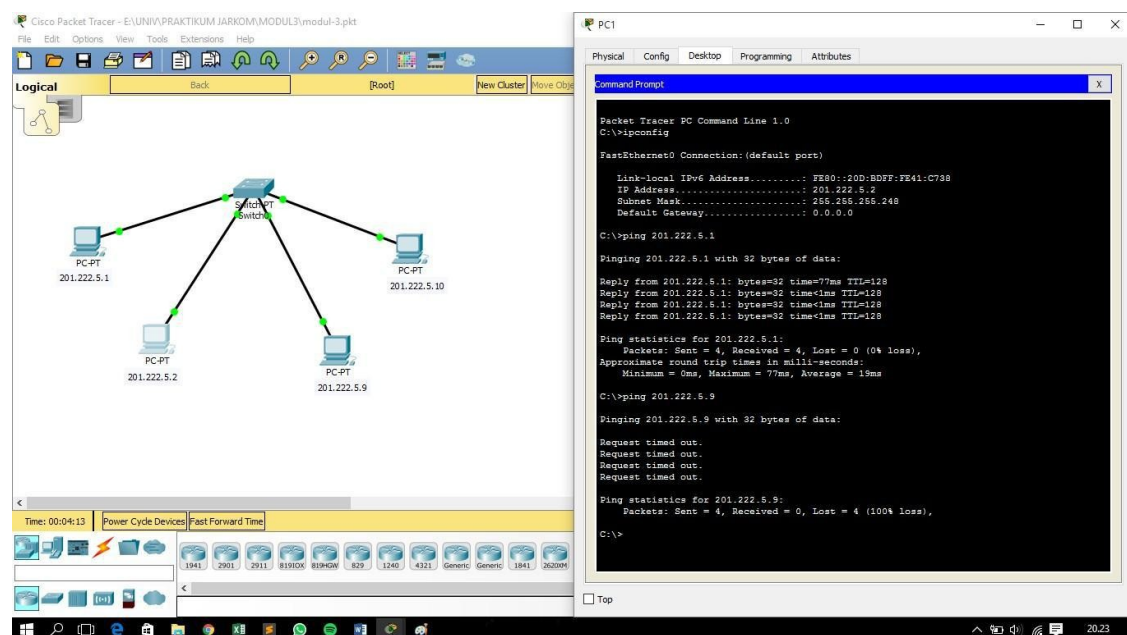
NIM : L200170017

Modul 3

1. Rancangan jaringan dengan pembagian IP dan subnetmasknya



- Melakukan ping dari PC yang memiliki IP 201.222.5.2 ke pc yang memiliki IP 201.222.5.1 dan IP 201.222.5.9. Dan saat ping ke PC yang ber IP 201.222.5.1 lancar tetapi saat ping ke PC yang ber IP 201.222.5.9 gagal karena beberapa jaringan atau kelompok subnet



3. Melakukan ping dari PC yang memiliki IP 201.222.5.10 ke pc yang memiliki IP 201.222.5.9 dan IP 201.222.5.1. Dan saat ping ke PC yang ber IP 201.222.5.9 lancar tetapi saat ping ke PC yang ber IP 201.222.5.1 gagal karena beberapa jaringan atau kelompok subnet

The screenshot displays the Cisco Packet Tracer interface. On the left, the 'Logical' tab shows a network topology with a central 'Switch-PT' connected to four 'PC-PT' devices. The PC-PTs have the following IP addresses: 201.222.5.1, 201.222.5.2, 201.222.5.9, and 201.222.5.10. The bottom status bar shows the time as 00:05:22 and the power cycle devices as 'Fast Forward Time'.

On the right, the 'PC2' window is open, showing the 'Command Prompt' tab. The command prompt displays the following output:

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

FastEthernet0 Connection: (default port)

    Link-local IPv6 Address . . . . . : FE80::201:C7FF:FE14:3164
    IP Address. . . . . : 201.222.5.10
    Subnet Mask . . . . . : 255.255.255.248
    Default Gateway . . . . . : 0.0.0.0

C:\>ping 201.222.5.9

Pinging 201.222.5.9 with 32 bytes of data:

Reply from 201.222.5.9: bytes=32 time=1ms TTL=128
Reply from 201.222.5.9: bytes=32 time=3ms TTL=128
Reply from 201.222.5.9: bytes=32 time<1ms TTL=128
Reply from 201.222.5.9: bytes=32 time<1ms TTL=128

Ping statistics for 201.222.5.9:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\>ping 201.222.5.1

Pinging 201.222.5.1 with 32 bytes of data:

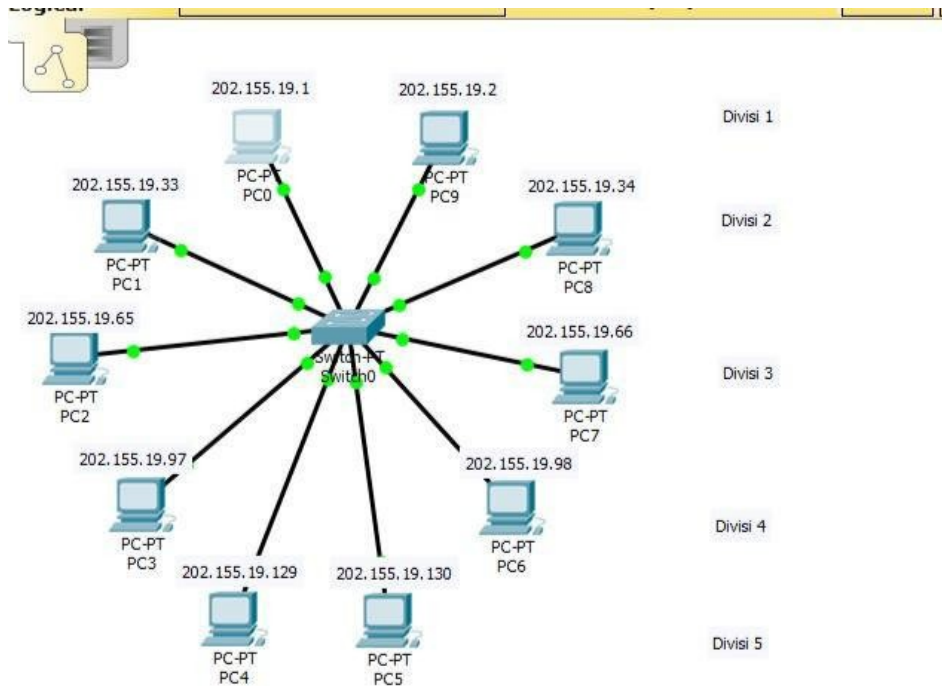
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 201.222.5.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Tugas Modul 3

1. Rancangan jaringan



2. Melakukan ping. Dari pc di divisi 1 ke pc ke divisi 2

The screenshot shows the Cisco Packet Tracer interface. On the left, the network diagram is visible, showing the central switch and the 12 PCs connected to it. On the right, a command prompt window is open, displaying the results of a ping command from PC0 (202.155.19.1) to PC8 (202.155.19.34). The command prompt shows the following output:

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

FastEthernet0 Connection: (default port)

Link-local IPv6 Address . . . . . : FE80::2E0:F7FF:FE7D:B617
IP Address. . . . . : 202.155.19.1
Subnet Mask . . . . . : 255.255.255.224
Default Gateway . . . . . : 0.0.0.0

C:\>ping 202.155.19.2

Pinging 202.155.19.2 with 32 bytes of data:

Request timed out.
Reply from 202.155.19.2: bytes=32 time=1ms TTL=128
Reply from 202.155.19.2: bytes=32 time=3ms TTL=128
Reply from 202.155.19.2: bytes=32 time=3ms TTL=128

Ping statistics for 202.155.19.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 3ms, Maximum = 14ms, Average = 6ms

C:\>ping 202.155.19.34

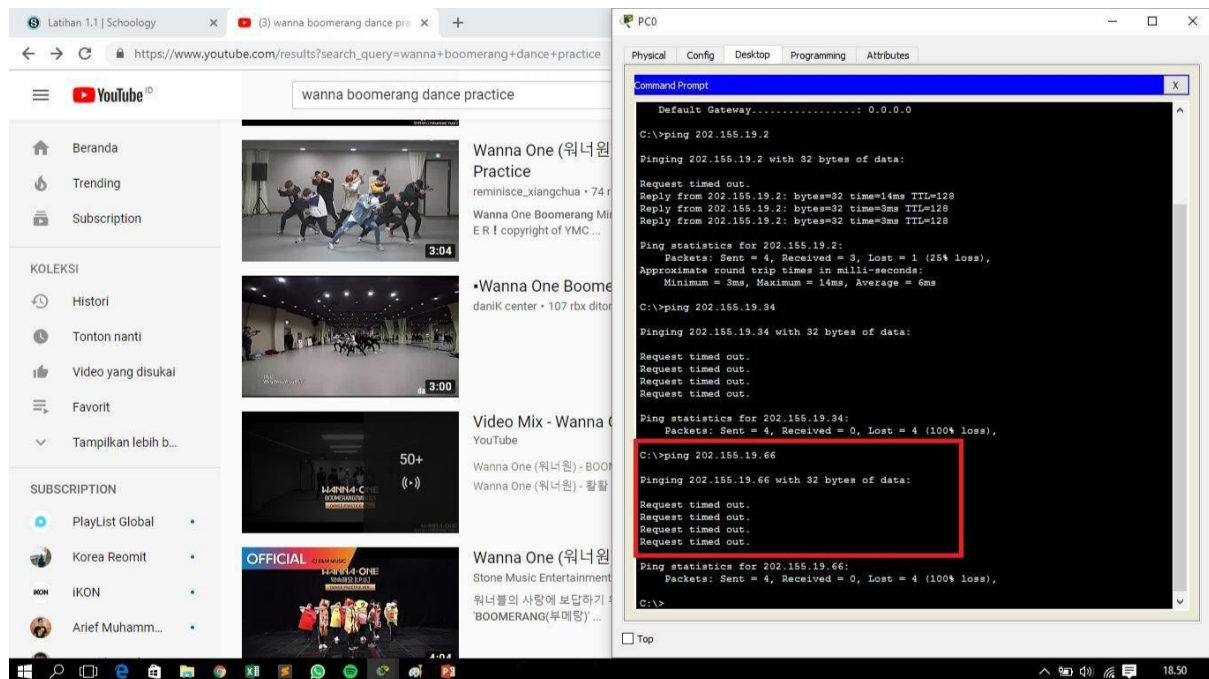
Pinging 202.155.19.34 with 32 bytes of data:

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

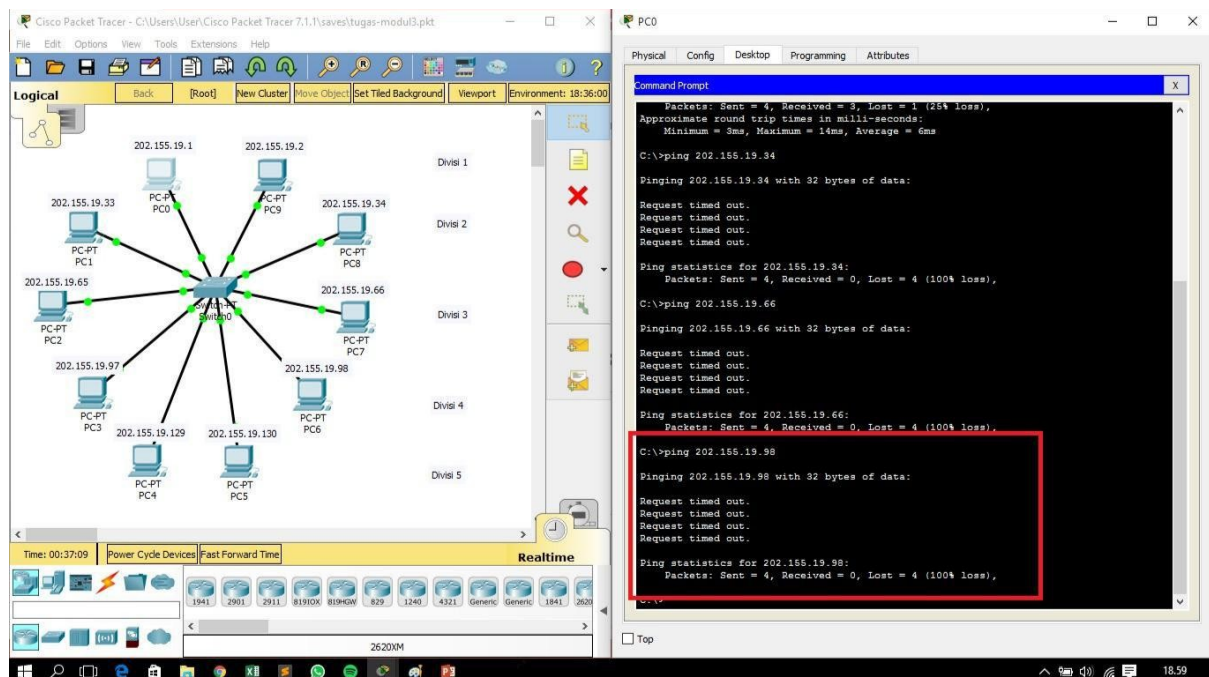
Ping statistics for 202.155.19.34:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

3. Melakukan ping. Dari pc di divisi 1 ke pc ke divisi 3



4. Melakukan ping. Dari pc di divisi 1 ke pc ke divisi 4



3. Melakukan ping. Dari pc di divisi 1 ke pc ke divisi 3

The image shows a Cisco Packet Tracer network diagram and a command prompt window. The network diagram displays a central router (R1) connected to 12 PCs arranged in five divisions. The PCs are labeled as follows:

- Divisi 1: PC0 (202.155.19.1), PC9 (202.155.19.2)
- Divisi 2: PC1 (202.155.19.33), PC8 (202.155.19.34)
- Divisi 3: PC2 (202.155.19.65), PC7 (202.155.19.66)
- Divisi 4: PC3 (202.155.19.97), PC6 (202.155.19.98)
- Divisi 5: PC4 (202.155.19.129), PC5 (202.155.19.130)

The command prompt window shows the results of a ping command from PC0 to PC5 (202.155.19.130). The output indicates that all four packets sent were lost, resulting in a 100% loss rate.

```
Command Prompt

Ping statistics for 202.155.19.34:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 202.155.19.66

Pinging 202.155.19.66 with 32 bytes of data:

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

Ping statistics for 202.155.19.66:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 202.155.19.98

Pinging 202.155.19.98 with 32 bytes of data:

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

Ping statistics for 202.155.19.98:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 202.155.19.130

Pinging 202.155.19.130 with 32 bytes of data:

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

Ping statistics for 202.155.19.130:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```