

**Nama** : Fikri Zaki Haiqal

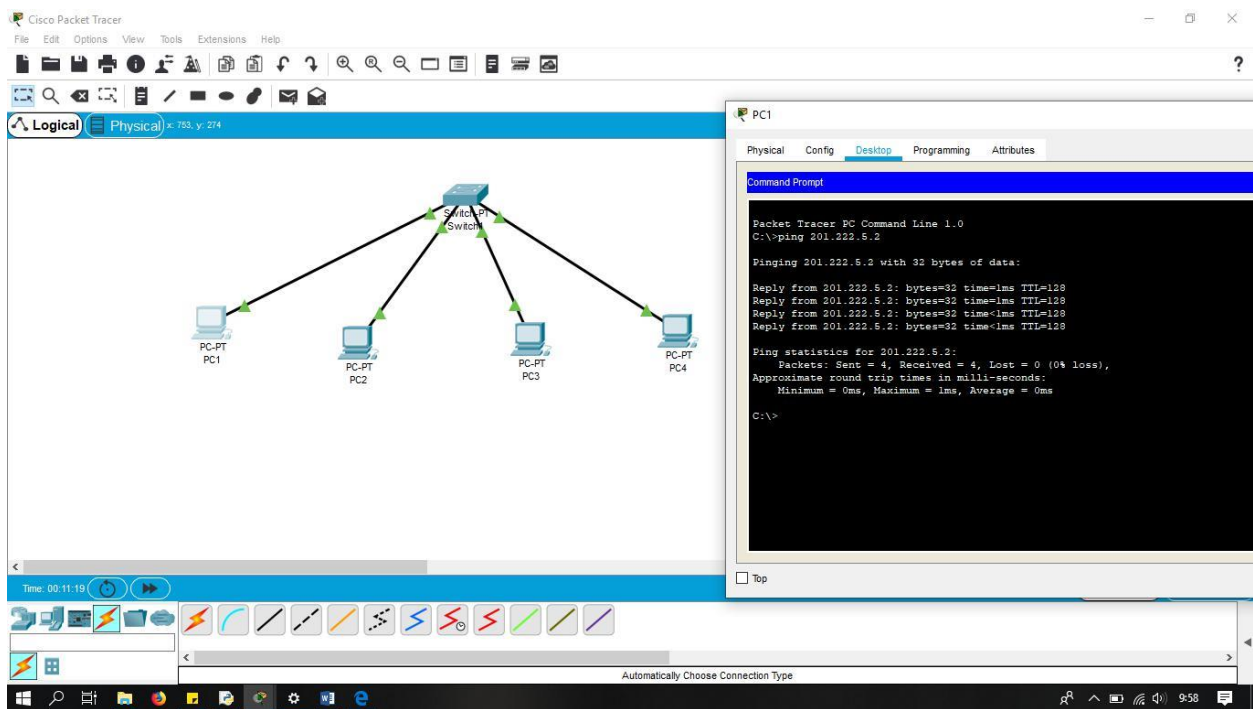
**NIM** : L200170079

**Kelas** : B

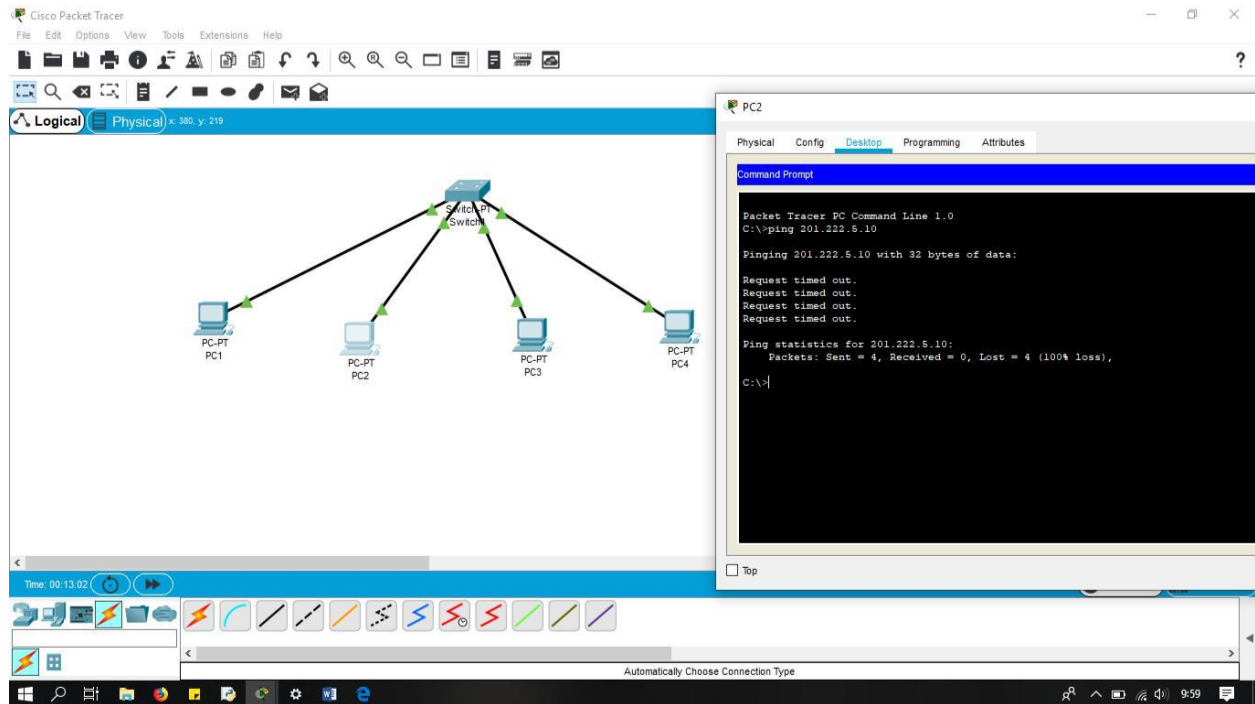
**Modul** : III

## Kegiatan Praktikum

### PC1-PC2



## PC2-PC4



# TUGAS

1.

## PC0-PC1

The screenshot shows a Cisco Packet Tracer network simulation. A central switch is connected to several PCs: PC0, PC1, PC2, PC3, PC4, PC5, PC6, PC7, PC8, PC9, and PC10. PC0 is connected to the switch. A command prompt window for PC0 is open, showing the following output:

```
Packet Tracer PC Command Line 1.0
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=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
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 = 0ms, Average = 0ms
C:\>
```

## PC2-PC5

The screenshot shows a Cisco Packet Tracer network simulation. A central switch is connected to several PCs: PC0, PC1, PC2, PC3, PC4, PC5, PC6, PC7, PC8, PC9, and PC10. PC2 is connected to the switch. A command prompt window for PC2 is open, showing the following output:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.4

Pinging 202.155.19.4 with 32 bytes of data:

Reply from 202.155.19.4: bytes=32 time=1ms TTL=128
Reply from 202.155.19.4: bytes=32 time=1ms TTL=128
Reply from 202.155.19.4: bytes=32 time=1ms TTL=128
Reply from 202.155.19.4: bytes=32 time=1ms TTL=128

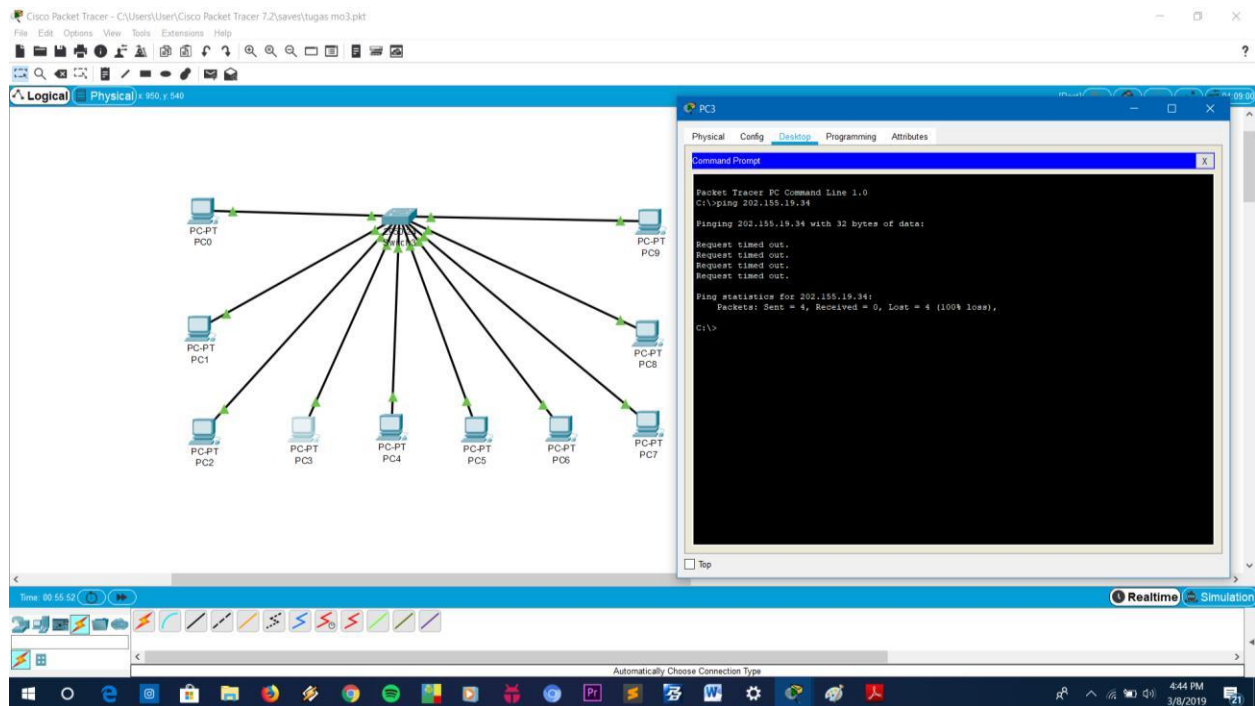
Ping statistics for 202.155.19.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 202.155.19.66

Pinging 202.155.19.66 with 32 bytes of data:

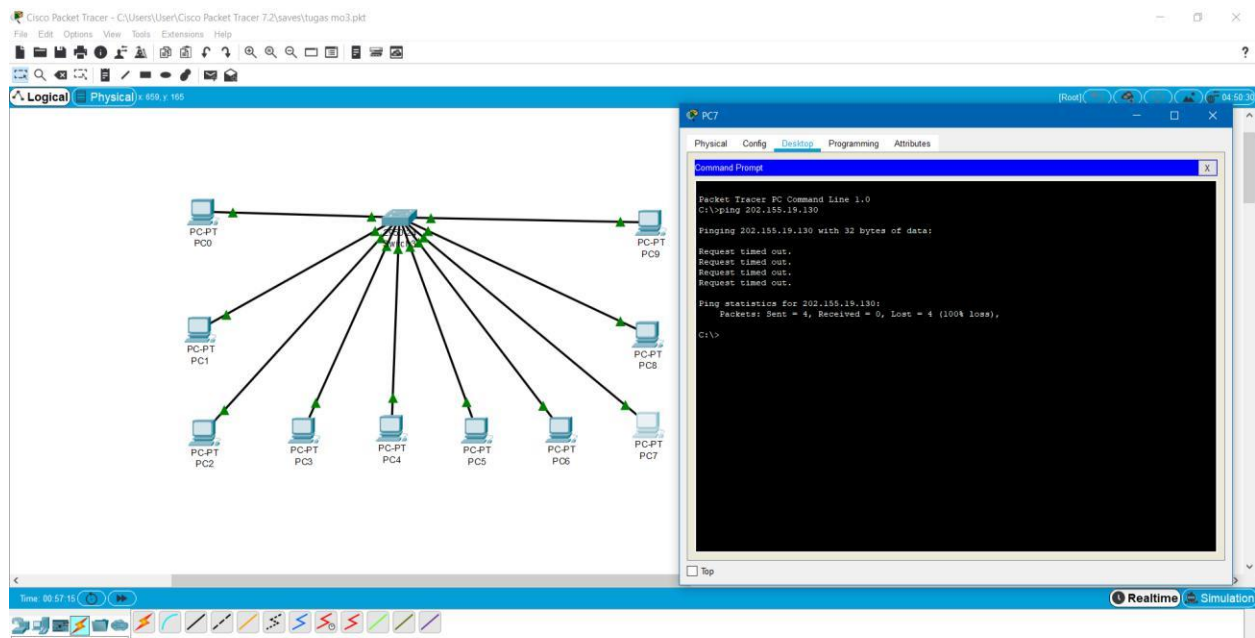
Request timed out.
Request timed out.
Request timed out.
Request timed out.

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

## PC3-PC4



## PC7-PC9



## 2.

Subnet Mask yang digunakan yaitu 255.255.255.224

Didapat dari pengubahan bilangan biner 00000000 pada blok terakhir menjadi bilangan biner 1. 11111111.11111111.11111111.00000000 -> 11111111.11111111.11111111.11100000

Karena diperlukan 5 subnet, maka dengan mengubah 3 digit biner 0 menjadi biner 1 sudah didapatkan  $2^3 = 8$  Subnet, dan sudah mencukupi

- Jumlah Subnet ( $2^x$ )  
 $2^3 = 8$  Subnet
- Host per Subnet ( $2^y - 2$ )  
 $2^5 - 2 = 30$  Host
- Block Subnet  
 $256 - 224 = 32$  IP
- Tabel Subnet

Network	202.155.19.0	202.155.19.32	202.155.19.64	202.155.19.96	202.155.19.128	202.155.19.160	202.155.19.192	202.155.19.224
IP Awal	202.155.19.1	202.155.19.33	202.155.19.65	202.155.19.97	202.155.19.129	202.155.19.161	202.155.19.193	202.155.19.225
IP Akhir	202.155.19.30	202.155.19.62	202.155.19.94	202.155.19.126	202.155.19.158	202.155.19.190	202.155.19.222	202.155.19.254
Broadcast	202.155.19.31	202.155.19.63	202.155.19.95	202.155.19.127	202.155.19.159	202.155.19.191	202.155.19.223	202.155.19.255