

Nama : Anom Wisnu Subroto

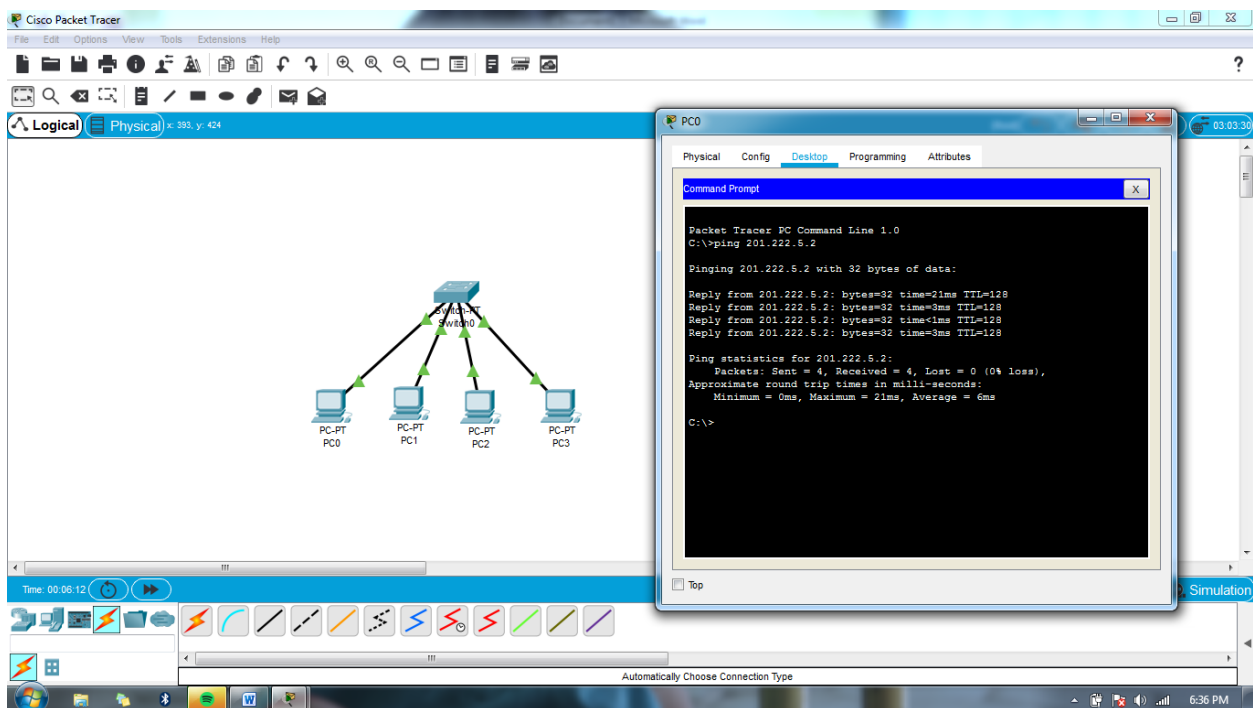
NIM : L200170071

Kelas : B

Modul : III

## Kegiatan Praktikum

PC0-PC1



## PC1-PC3

The image shows a Cisco Packet Tracer network simulation. In the center, a switch labeled 'Switch0' is connected to four PCs labeled 'PC-PT PC0', 'PC-PT PC1', 'PC-PT PC2', and 'PC-PT PC3'. A command prompt window for PC1 is open, showing the results of a ping command to 201.222.5.10. The command prompt text is as follows:

```
Packet Tracer PC Command Line 1.0
C:\>ping 201.222.5.10

Pinging 201.222.5.10 with 32 bytes of data:

Reply from 201.222.5.10: bytes=32 time=14ms TTL=128
Reply from 201.222.5.10: bytes=32 time<1ms TTL=128
Reply from 201.222.5.10: bytes=32 time<1ms TTL=128
Reply from 201.222.5.10: bytes=32 time=2ms TTL=128

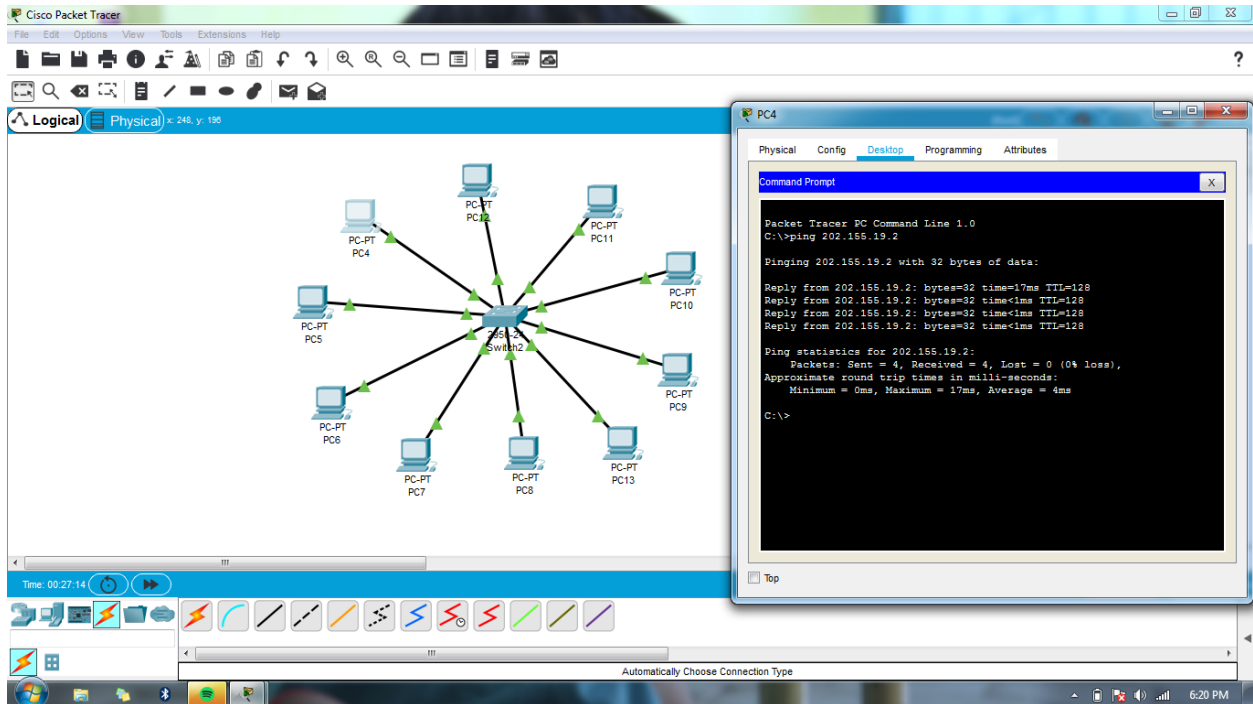
Ping statistics for 201.222.5.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 14ms, Average = 4ms

C:\>
```

The Packet Tracer interface includes a top menu bar (File, Edit, Options, View, Tools, Extensions, Help), a toolbar, and a bottom status bar showing the time (00:07:44) and simulation mode (Realtime). The network diagram is in the Physical tab, and the command prompt is in the Desktop tab for PC1.

# TUGAS

## PC4-PC5



## PC6-PC13

The network diagram shows a central switch connected to 13 PCs (PC-PT PC4 through PC-PT PC13). A command prompt window for PC6 displays the following output:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.6

Pinging 202.155.19.6 with 32 bytes of data:

Reply from 202.155.19.6: bytes=32 time=15ms TTL=128
Reply from 202.155.19.6: bytes=32 time<1ms TTL=128
Reply from 202.155.19.6: bytes=32 time<1ms TTL=128
Reply from 202.155.19.6: bytes=32 time=3ms TTL=128

Ping statistics for 202.155.19.6:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 15ms, Average = 4ms

C:\>
```

## PC7-PC8

The network diagram shows a central switch connected to 13 PCs (PC-PT PC4 through PC-PT PC13). A command prompt window for PC7 displays the following output:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.5

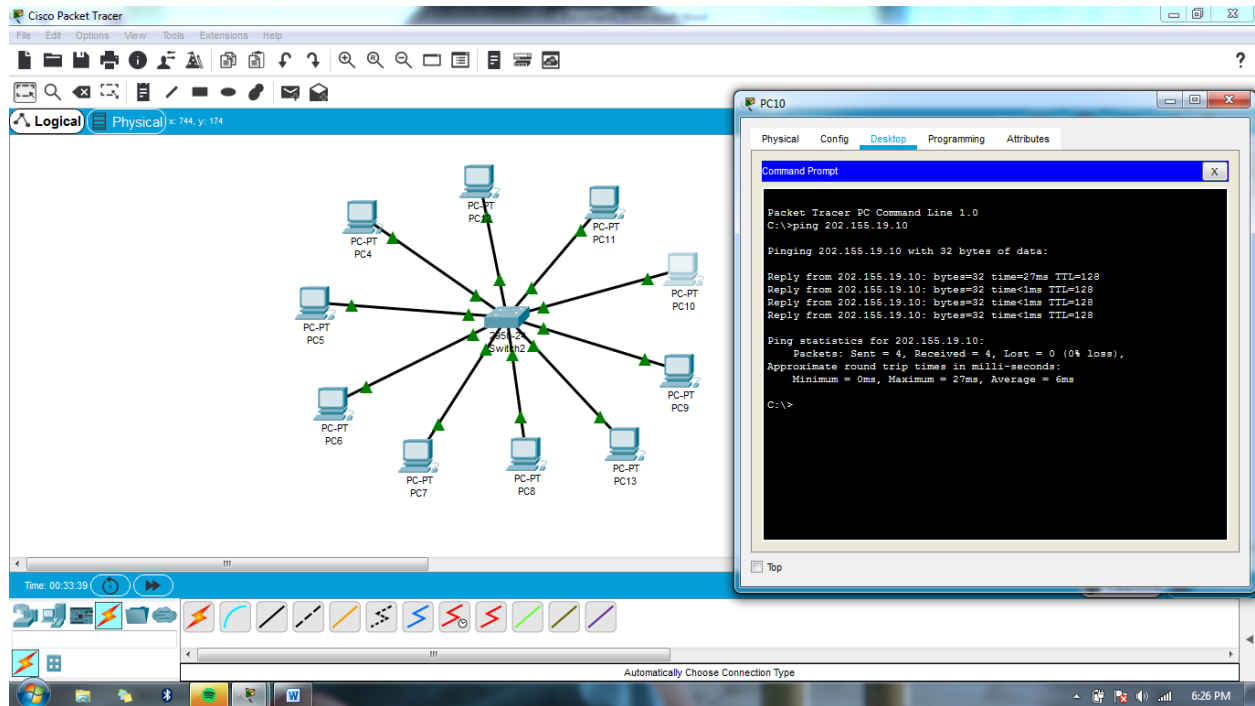
Pinging 202.155.19.5 with 32 bytes of data:

Reply from 202.155.19.5: bytes=32 time=12ms TTL=128
Reply from 202.155.19.5: bytes=32 time<1ms TTL=128
Reply from 202.155.19.5: bytes=32 time=3ms TTL=128
Reply from 202.155.19.5: bytes=32 time=1ms TTL=128

Ping statistics for 202.155.19.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 12ms, Average = 4ms

C:\>
```

## PC10-PC12



Subnet Mask yang digunakan yaitu 255.255.255.224 Didapat dari pengubahan bilangan biner 00000000 pada blok terakhir menjadi 1.11111111.11111111.00000000 -> 11111111.11111111.11111111.00000000 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

Netw ork	202.155. 19.0	202.155. 19.32	202.155. 19.64	202.155.1 9.96	202.155.1 9.128	202.155.1 9.160	202.155.1 9.192	202.155.1 9.224
IP awal	202.155. 19.1	202.155. 19.33	202.155. 19.65	202.155.1 9.97	202.155.1 9.129	202.155.1 9.161	202.155.1 9.193	202.155.1 9.225
IP akhir	202.155. 19.30	202.155. 19.62	202.155. 19.94	202.155.1 9.126	202.155.1 9.158	202.155.1 9.190	202.155.1 9.222	202.155.1 9.254
Broad cast	202.155. 19.31	202.155. 19.63	202.155. 19.95	202.155.1 9.127	202.155.1 9.159	202.155.1 9.191	202.155.1 9.223	202.155.1 9.255