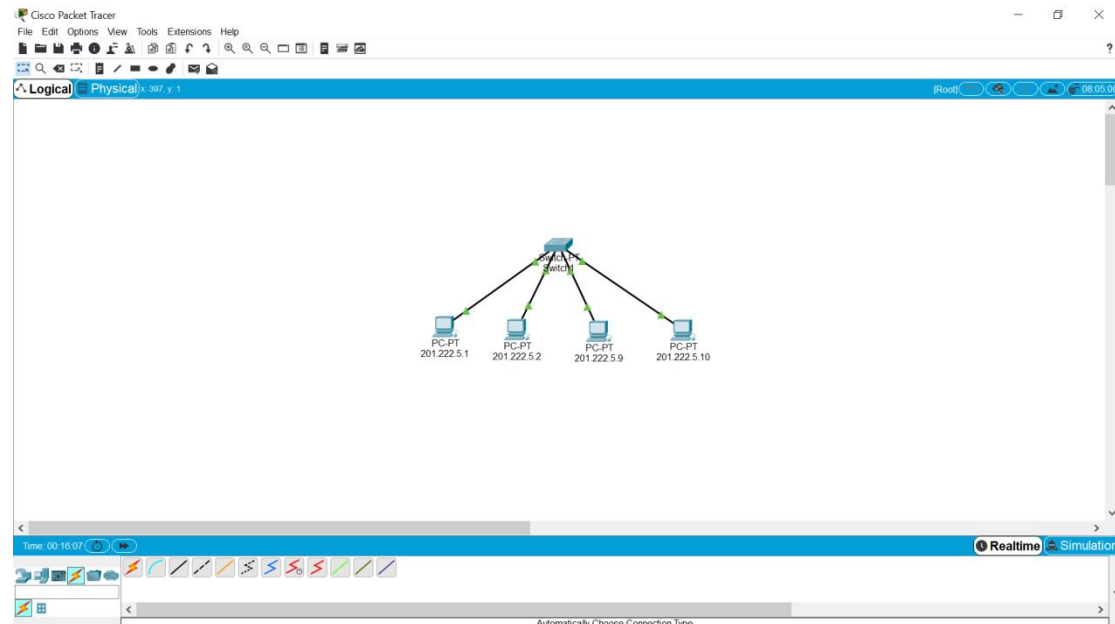


**Nama : Happy Tri Milliarta**

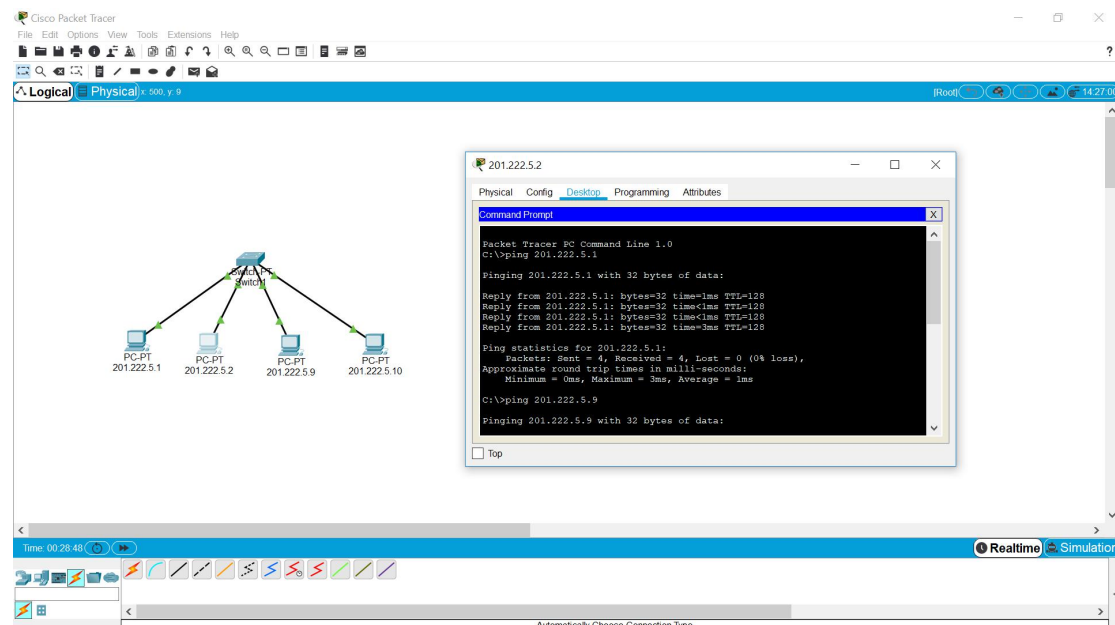
**NIM : L200170022**

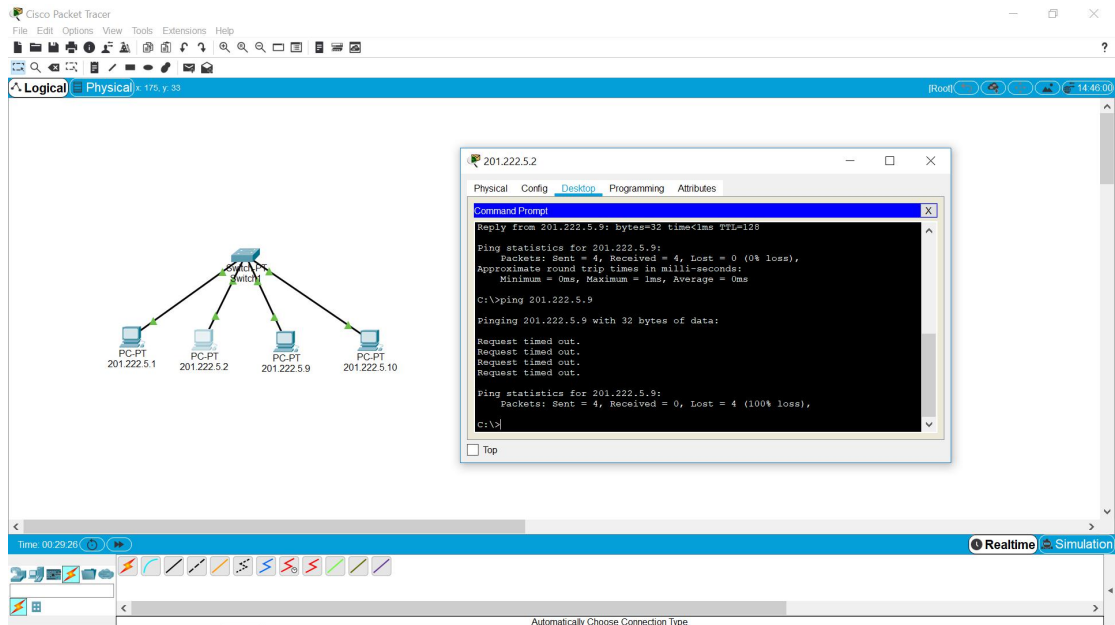
**Kelas : A**

## 1. Rancangan jaringan dengan pembagian IP dan subnetnya

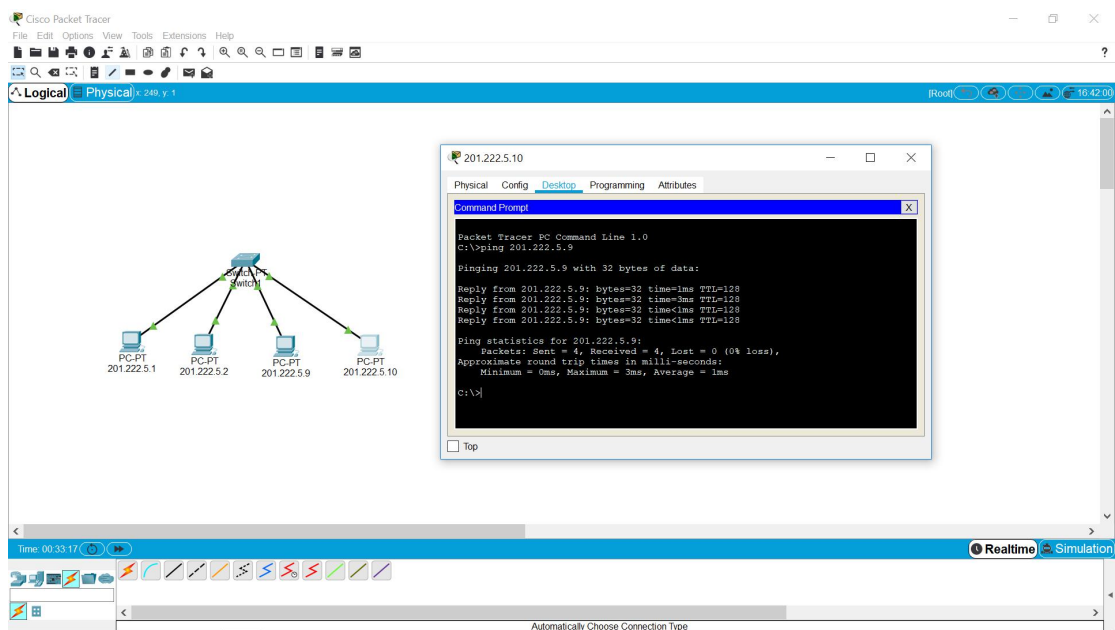


2. Melakukan ping dari PC dengan IP 201.222.5.2 ke PC dengan IP 201.222.5.1 dan IP 201.222.5.9. Ketika ping ke PC dengan IP 201.222.5.1 lancar. Sedangkan untuk ping ke PC dengan IP 201.222.5.9 gagal, karena berbed jaringan atau kelompok subnet





3. Melakukan ping dari PC dengan IP 201.222.5.10 ke PC dengan IP 201.222.5.9 dan 201.222.5.1. Ketika ping ke PC dengan IP 201.222.5.9 lancar. Sedangkan untuk ping ke PC dengan IP 201.222.5.1 gagal, karena berbed jaringan atau kelompok subnet



Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 966, y 208 [Root] 17:22:30

```
graph TD
    Switch[Switch] --- PC1[PC-PT 201.222.5.1]
    Switch --- PC2[PC-PT 201.222.5.2]
    Switch --- PC3[PC-PT 201.222.5.9]
    Switch --- PC4[PC-PT 201.222.5.10]
```

201.222.5.10

Physical Config Desktop Programming Attributes

Command Prompt

```
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 milliseconds:
        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:\>
```

Time: 00:34:38 Realtime Simulation

Automatically Choose Connection Type

## Tugas

- Terdapat 5 subnet
- Subnet :  
 $2^3 = 8$
- Subnetmask :  
 255.255.255.0  
 11111111.11111111.11111111.00000000
- Subnetmask Baru :  
 11111111.11111111.11111111.11100000  
 255.255.255.224
- Host :  
 $2^5 - 2 = 30$

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

