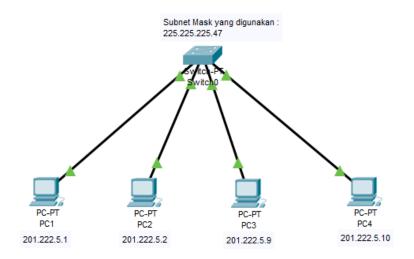
Nama: Maulana Lutfi Sholihin

NIM : L200170048

Kelas : B Modul : 2

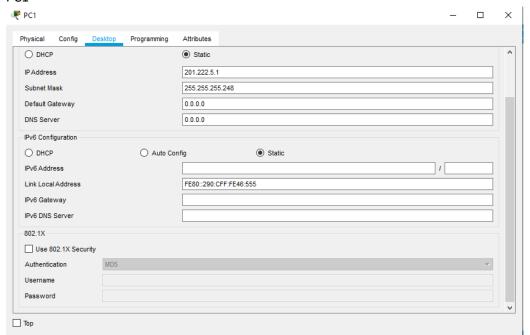
### **MODUL 3**

Kegiatan 1. Desain dan Konfigurasi Subnetting

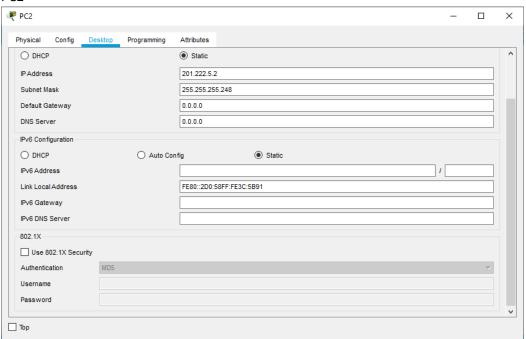


# A. Pengaturan Alamat IP

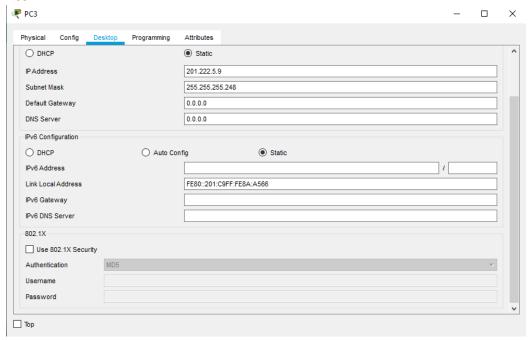
- PC1



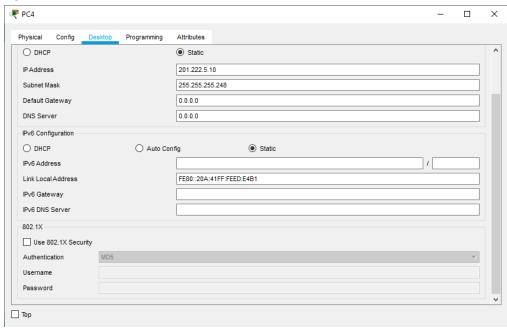
- PC2



- PC3

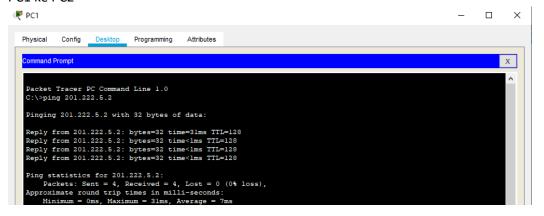


- PC4



## B. <u>Uji Koneksi Jaringan</u>

#### PC1 ke PC2



#### PC2 ke PC3

```
Physical Config Desktop Programming Attributes

Command Prompt

X

Packet Tracer PC Command Line 1.0
C:\>ping 201.222.5.9

Pinging 201.222.5.9 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 201.222.5.9:
Packets: Sent = 4, Received = 0, Lost = 4 (100 the loss),
C:\>
```

## PC3 ke PC4

```
Physical Config Desktop Programming Attributes

Command Prompt

X

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<\lms TTL=128

Ping statistics for 201.222.5.10:

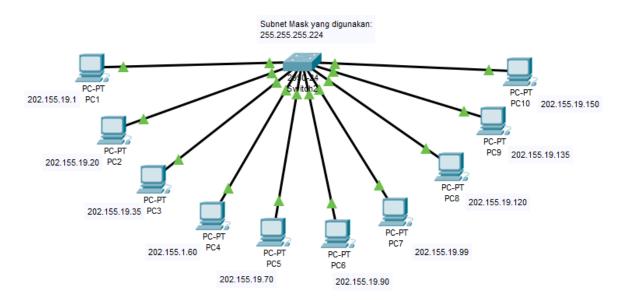
Packets: Sent = 4, Received = 4, Lost = 0 (0\fmathbf{t} loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

## **Tugas Modul**

# 1. Desain Rangkaian



2. Subnet Mask yang digunakan yaitu 255.255.255.224

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

Jumlah Subnet (2\*):

 $2^3 = 8$  Subnet

Host per Subnet (2<sup>y</sup>-2):

 $2^5-2 = 30 \text{ Host}$ 

Block Subnet

256-224 = **32** IP

Tabel Subnet

Netw	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.
ork	19.0	19.32	19.64	19.96	19.128	19.160	19.192	19.224
IP	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.
Awal	19.1	19.33	19.65	19.97	19.129	19.161	19.193	19.225
IP	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.
Akhir	19.30	19.62	19.94	19.126	19.158	19.190	19.222	19.254
Broad	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.	202.155.
cast	19.31	19.63	19.95	19.127	19.159	19.191	19.223	19.255

### 3. Uji Coba Koneksi

- PC1 ke PC2

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0

C:\>ping 202.155.19.20

Pinging 202.155.19.20 with 32 bytes of data:

Reply from 202.155.19.20: bytes=32 time<lms TTL=128

Ping statistics for 202.155.19.20:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

PC2 ke PC9

```
₹ PC2
                                                                                                            _ _
                                                                                                                          ×
 Physical
         Config Desktop Programming Attributes
  Command Prompt
                                                                                                                       Х
  Packet Tracer PC Command Line 1.0 C:\>ping 202.155.19.135
  Pinging 202.155.19.135 with 32 bytes of data:
  Request timed out.
  Request timed out.
   Request timed out.
  Request timed out.
   Ping statistics for 202.155.19.135:
       Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
   C:\>
```

- PC5 ke PC6

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.90

Pinging 202.155.19.90 with 32 bytes of data:

Reply from 202.155.19.90: bytes=32 time=lms TTL=128
Reply from 202.155.19.90: bytes=32 time<lms TTL=128
Ring statistics for 202.155.19.90:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

- PC8 ke PC10

```
Physical Config Desktop Programming Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.150

Pinging 202.155.19.150 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 202.155.19.150:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```