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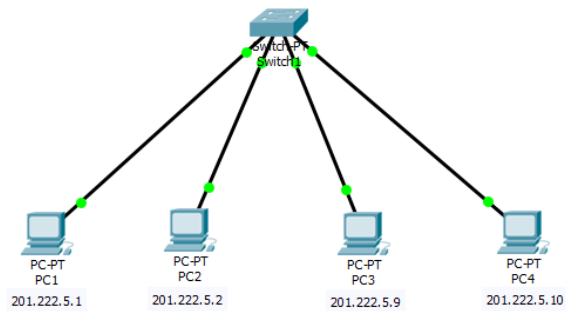
NIM : L200170143

Kelas : C → D

### MODUL III

### SUBNETTING

#### Kegiatan 1. Desain dan Konfigurasi Subnetting



#### A. Memberikan IP Address pada tiap PC

##### 1. PC 1

The screenshot shows the 'IP Configuration' window for PC 1. The 'IP Configuration' section has 'Static' selected. The fields are filled with the following values:

Field	Value
IP Address	201.222.5.1
Subnet Mask	255.255.255.248
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

The 'IPv6 Configuration' section has 'Static' selected. The fields are filled with the following values:

Field	Value
IPv6 Address	
Link Local Address	FE80::230:A3FF:FEDE:77B1
IPv6 Gateway	
IPv6 DNS Server	

## 2. PC 2

IP Configuration

X

IP Configuration

☐ DHCP

☒ Static

IP Address

201.222.5.2

Subnet Mask

255.255.255.248

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

/

Link Local Address

FE80::201:C7FF:FEC1:3C3B

IPv6 Gateway

IPv6 DNS Server

## 3. PC 3

IP Configuration

X

IP Configuration

☐ DHCP

☒ Static

IP Address

201.222.5.9

Subnet Mask

255.255.255.248

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

/

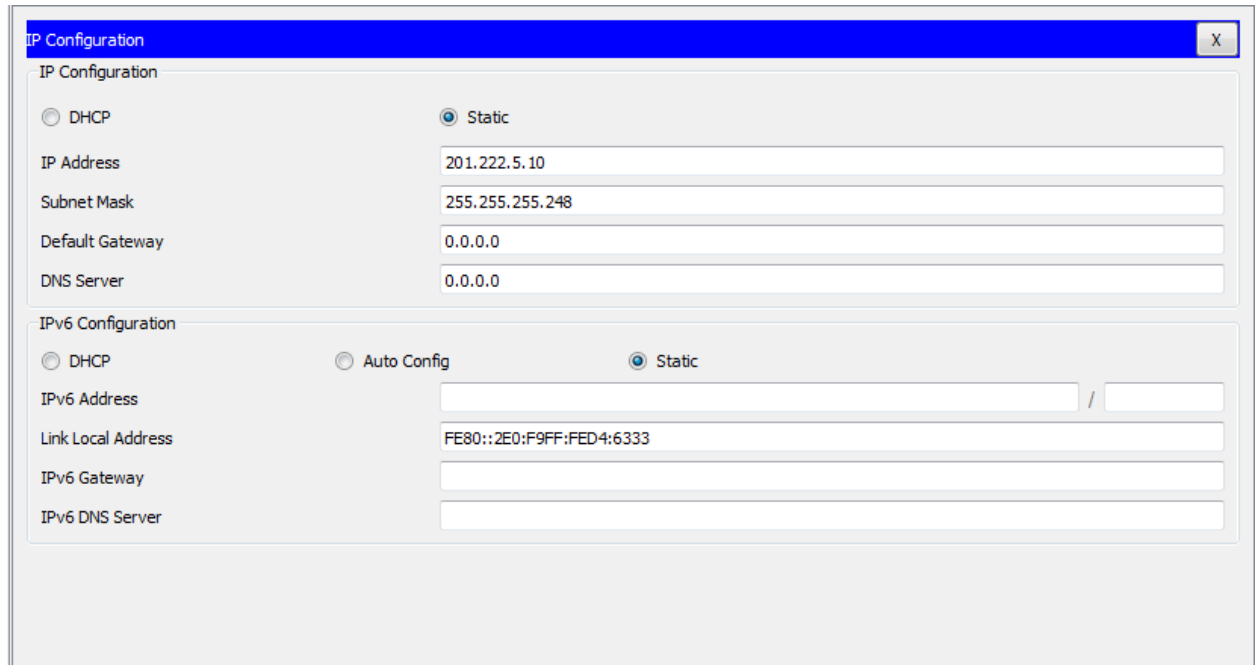
Link Local Address

FE80::230:F2FF:FE64:3559

IPv6 Gateway

IPv6 DNS Server

#### 4. PC 4



#### B. Uji Koneksi Jaringan

##### 1. Ping antara PC 1 ke PC 2

```
Packet Tracer PC Command Line 1.0
C:\>ping 201.222.5.2

Pinging 201.222.5.2 with 32 bytes of data:

Reply from 201.222.5.2: bytes=32 time=6ms TTL=128
Reply from 201.222.5.2: bytes=32 time=1ms TTL=128
Reply from 201.222.5.2: bytes=32 time<1ms TTL=128
Reply from 201.222.5.2: bytes=32 time<1ms TTL=128

Ping statistics for 201.222.5.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 6ms, Average = 1ms
```

Berhasil dipanggil karena berada dalam satu alamat.

##### 2. Ping antara PC 1 ke PC 3

```
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% loss),
```

Tidak berhasil dipanggil karena berada dalam satu alamat.

3. Ping antara PC 1 ke PC 4

```
C:\>ping 201.222.5.10

Pinging 201.222.5.10 with 32 bytes of data:

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

Ping statistics for 201.222.5.10:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Tidak berhasil dipanggil karena berada dalam satu alamat.

4. Ping antara PC 2 ke PC 3

```
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% loss),
```

Tidak berhasil dipanggil karena berada dalam satu alamat.

5. Ping antara PC 2 ke PC 4

```
C:\>ping 201.222.5.10

Pinging 201.222.5.10 with 32 bytes of data:

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

Ping statistics for 201.222.5.10:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Tidak berhasil dipanggil karena berada dalam satu alamat.

6. Ping antara PC 3 ke PC 4

```
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=1ms 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<1ms 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 = 1ms, Average = 0ms
```

Berhasil dipanggil karena berada dalam satu alamat.