PRAKTIKUM JARINGAN KOMPUTER

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NIM : L200180066

Kelas : B

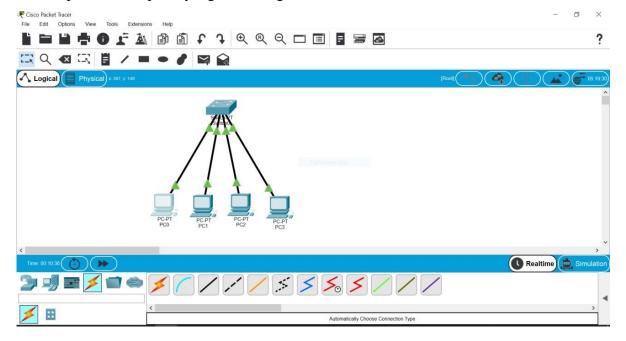
MODUL 3

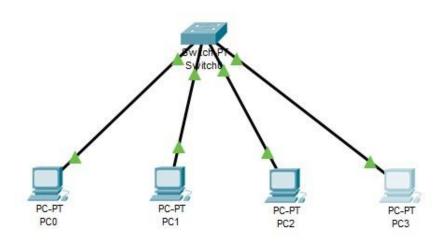
SUBNETTING

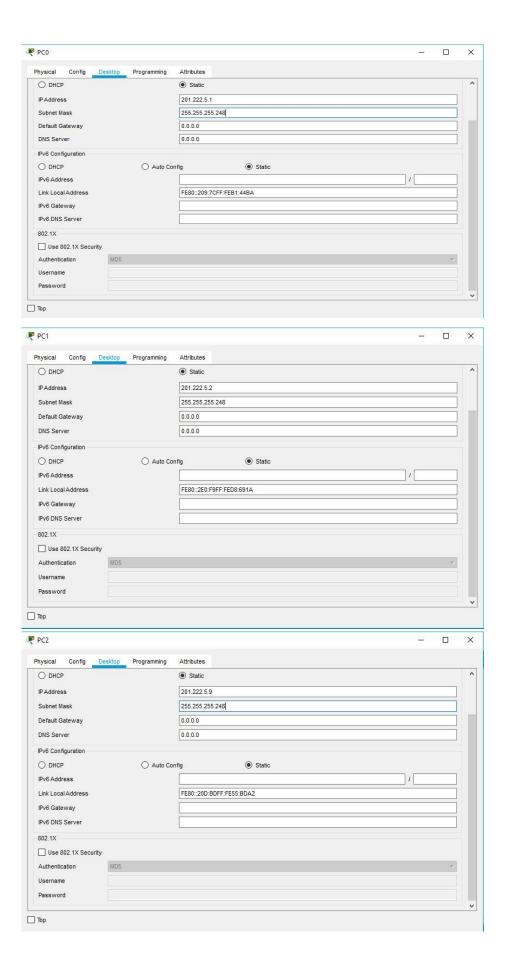
KEGIATAN PRAKTIKUM

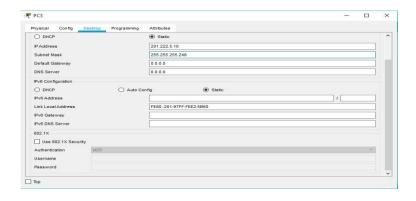
Kegiatan 1. Desain dan Konfigurasi Subnetting

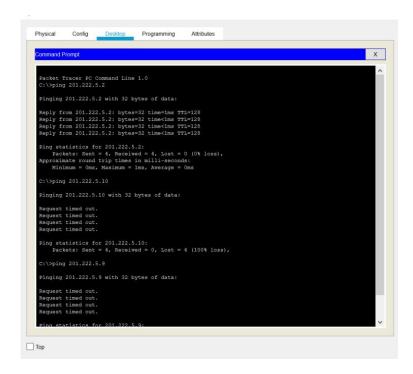
Ada empat unit komputer yang terhubung melalui switch.

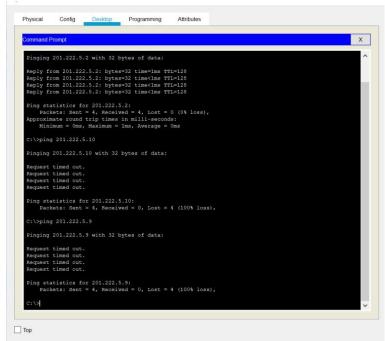






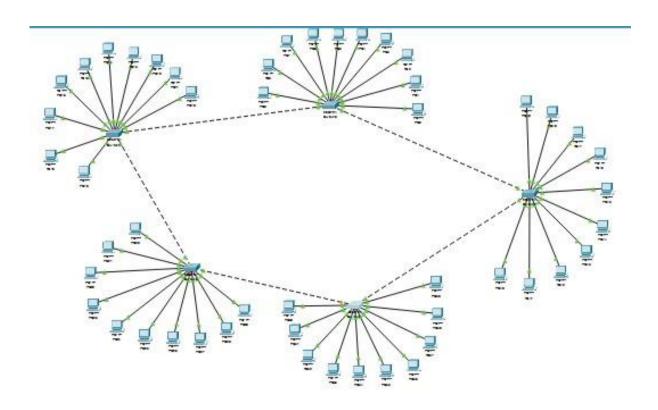






PC0 ketika dihubungkan dengan PC1 terhubung karena network addressnya sama, sedangkan PC0 dihubungkan ke PC3 atau PC4 tidak terhubung karena network addressnya berbeda.

TUGAS MODUL



Network ID 202.155.19.0 dengan subnet mask default 255.255.255.0

255.255.255.0

1) Jumlah subnet: $2^x = 2^0 = 1$ subnet

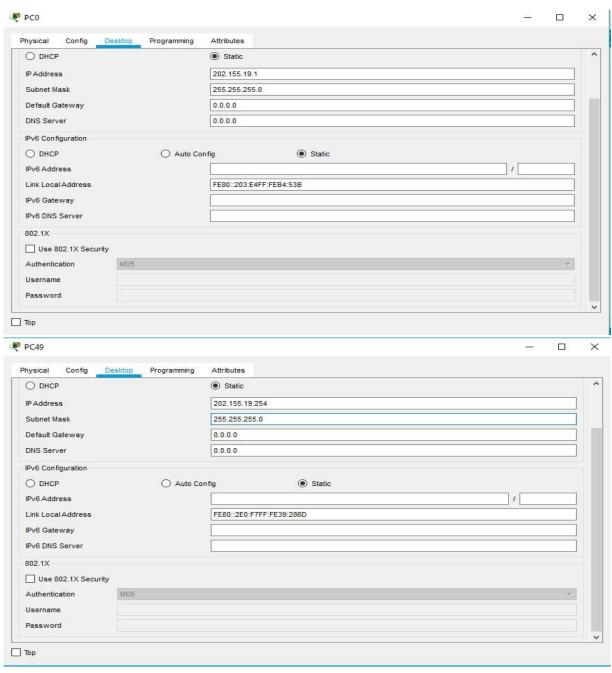
2) Jumlah host: $2^y - 2 = 2^8 - 2 = 256 - 2 = 254$ host

3) Blok subnet: 256 - 0 = 256

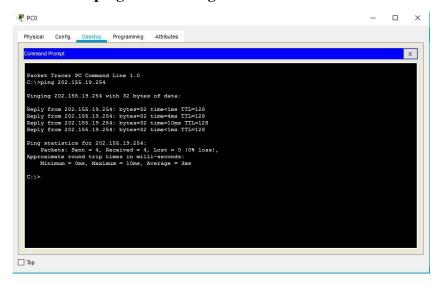
4) Table subnet:

Network	202.155.19.0
Host pertama	202.155.19.1
Host terakhir	202.155.19.254
Broadcast	202.155.19.255

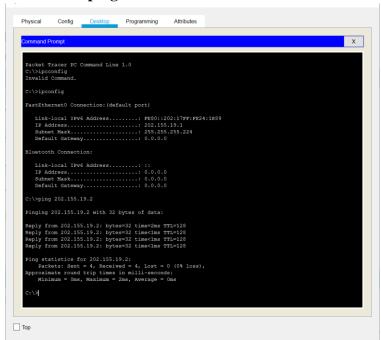
Memberikan IP Address pada semua PC



Melakukan ping di PC 0 dengan IP Address PC 49



Melakukan ping dari PC Divisi 1 ke PC Divisi 1



Dapat terhubung karena network addressnya sama.

Melakukan ping dari PC Divisi 1 ke PC Divisi 2

```
C:\>ping 202.155.19.33

Pinging 202.155.19.33 with 32 bytes of data:

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

Ping statistics for 202.155.19.33:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Terjadi Request Timed Out karena network addressnya berbeda.

Melakukan ping dari PC Divisi 1 ke PC Divisi 3

```
C:\>ping 202.155.19.65

Pinging 202.155.19.65 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 202.155.19.65:
   Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Terjadi Request Timed Out karena network addressnya berbeda.

Melakukan ping dari PC Divisi 1 ke PC Divisi 4

```
C:\>ping 202.155.19.97

Pinging 202.155.19.97 with 32 bytes of data:

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

Ping statistics for 202.155.19.97:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

Terjadi Request Timed Out karena network addressnya berbeda.

Melakukan ping dari PC Divisi 1 ke PC Divisi 5

```
C:\>ping 202.155.19.129

Pinging 202.155.19.129 with 32 bytes of data:

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

Ping statistics for 202.155.19.129:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
```

Terjadi Request Timed Out karena network addressnya berbeda