

Nama : Helmi Lutfian

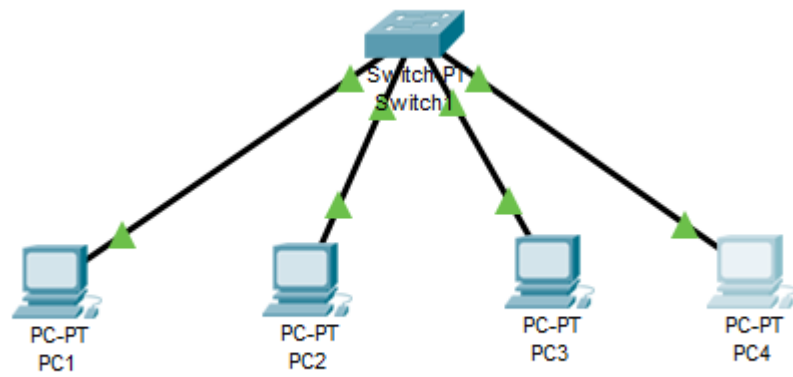
NIM : L200170055

Kelas : B

MODUL 3 SUBNETTING

C. Praktikum

Kegiatan 1. Desain dan Konfigurasi Subnetting



PC1

Physical Config **Desktop** Programming Attributes

☐ DHCP ☒ Static

IP Address 201.222.5.1

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::250:FFF:FE93:E2C5

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC2

Physical Config **Desktop** Programming Attributes

☐ DHCP ☒ Static

IP Address 201.222.5.2

Subnet Mask 255.255.255.248

Default Gateway 201.222.5.2

DNS Server 255.255.255.48

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::201:C9FF:FE51:B66A

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC3

Physical Config **Desktop** Programming Attributes

☐ 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::201:C7FF:FE29:9B26

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

PC4

Physical **Config** Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Bluetooth

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0060.2FB6.A6D9

IP Configuration

☐ DHCP ☒ Static

IP Address 201.222.5.10

Subnet Mask 255.255.255.48

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

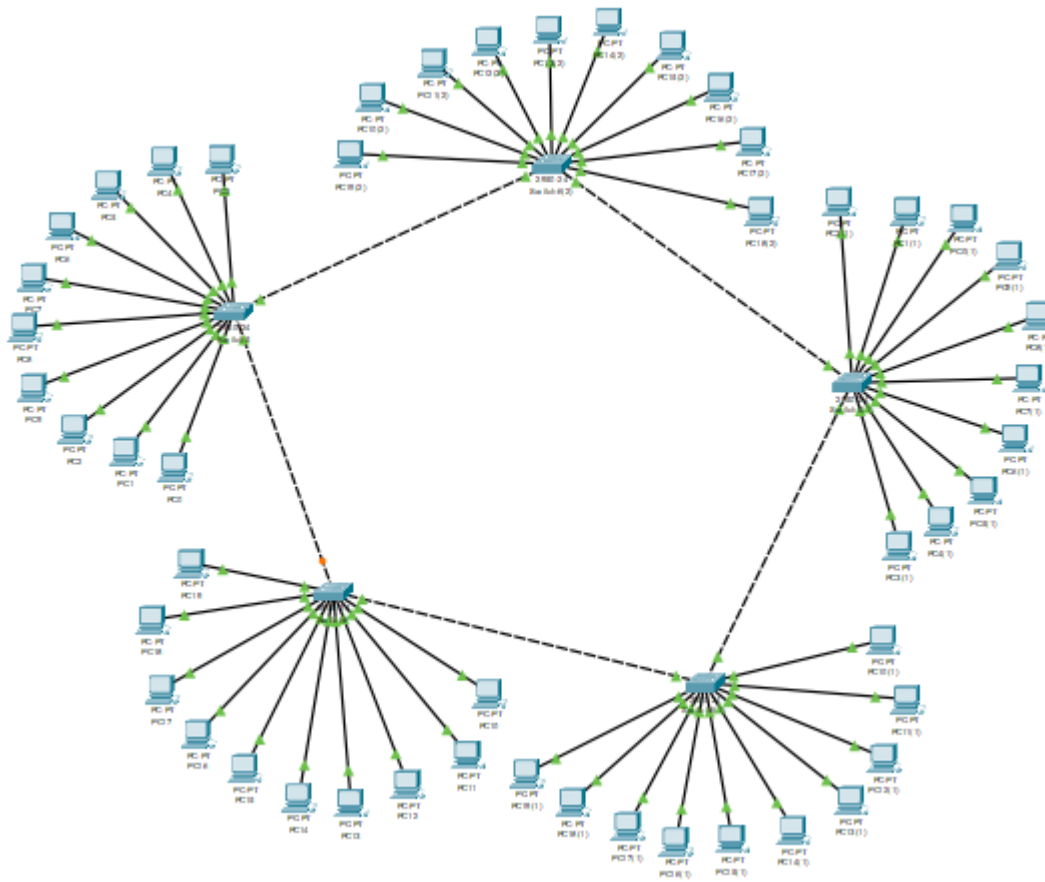
IPv6 Address /

Link Local Address: FE80::260:2FFF:FEB6:A6D9

☐ Top

D. Tugas Modul

Tugas :



202.155.19.0

11001010.10011011.00010011.00000000

255.255.255.0

11111111.11111111.11111111.00000000

Jumlah Subnet = $2^0 = 1$

Jumlah Host per-Subnet = $2^8 - 2 = 256 - 2 = 254$

Blok Subnet = $256 - 0 = 256$

Tabel Subnet :

| | |
|----------------------|----------------|
| Network | 202.155.19.0 |
| Host Pertama | 202.155.19.1 |
| Host Terakhir | 202.155.19.254 |
| Broadcast | 202.155.19.255 |

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address: 202.155.19.1

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::260:2FFF:FE2A:6D55

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

☐ Top

PC19

Physical Config **Desktop** Programming Attributes

☐ DHCP ☒ Static

IP Address: 202.155.19.254

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::2D0:97FF:FE96:3843

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

PC0

Physical Config **Desktop** Programming Attributes

```
Command Prompt
Reply from 202.155.19.19: bytes=32 time=73ms TTL=128
Reply from 202.155.19.17: bytes=32 time=73ms TTL=128
Reply from 202.155.19.16: bytes=32 time=73ms TTL=128
Reply from 202.155.19.15: bytes=32 time=80ms TTL=128
Reply from 202.155.19.14: bytes=32 time=85ms TTL=128
Reply from 202.155.19.13: bytes=32 time=86ms TTL=128
Reply from 202.155.19.12: bytes=32 time=85ms TTL=128
Reply from 202.155.19.21: bytes=32 time=85ms TTL=128
Reply from 202.155.19.22: bytes=32 time=86ms TTL=128
Reply from 202.155.19.23: bytes=32 time=85ms TTL=128
Reply from 202.155.19.24: bytes=32 time=85ms TTL=128
Reply from 202.155.19.25: bytes=32 time=85ms TTL=128
Reply from 202.155.19.26: bytes=32 time=85ms TTL=128
Reply from 202.155.19.27: bytes=32 time=85ms TTL=128
Reply from 202.155.19.28: bytes=32 time=85ms TTL=128
Reply from 202.155.19.29: bytes=32 time=85ms TTL=128
Reply from 202.155.19.30: bytes=32 time=85ms TTL=128
Reply from 202.155.19.40: bytes=32 time=85ms TTL=128
Reply from 202.155.19.39: bytes=32 time=85ms TTL=128
Reply from 202.155.19.37: bytes=32 time=85ms TTL=128
Reply from 202.155.19.36: bytes=32 time=86ms TTL=128
Reply from 202.155.19.35: bytes=32 time=85ms TTL=128
Reply from 202.155.19.34: bytes=32 time=106ms TTL=128
Reply from 202.155.19.32: bytes=32 time=105ms TTL=128
Reply from 202.155.19.31: bytes=32 time=105ms TTL=128
Reply from 202.155.19.154: bytes=32 time=105ms TTL=128
Reply from 202.155.19.150: bytes=32 time=105ms TTL=128
Reply from 202.155.19.140: bytes=32 time=105ms TTL=128
Reply from 202.155.19.120: bytes=32 time=105ms TTL=128
Reply from 202.155.19.100: bytes=32 time=105ms TTL=128
Reply from 202.155.19.90: bytes=32 time=105ms TTL=128
Reply from 202.155.19.80: bytes=32 time=105ms TTL=128

Ping statistics for 202.155.19.0:
    Packets: Sent = 4, Received = 180, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 930ms, Average = 247ms

C:\>
```

☐ Top