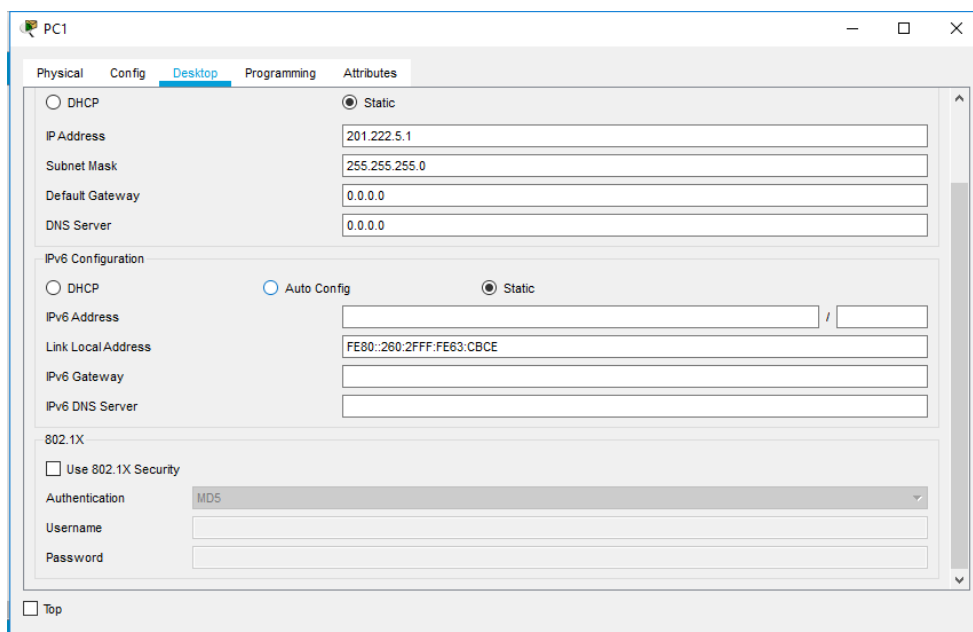
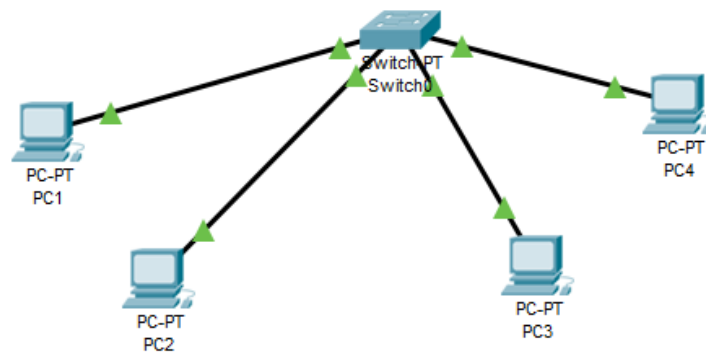


Nama : Riris Agriela Savitri
NIM : L200170029
Kelas : A

BAB III SUBNETTING

Kegiatan Praktikum

Kegiatan 1. Desain dan Konfigurasi Subnetting



PC2

Physical Config **Desktop** Programming Attributes

☐ DHCP ☒ Static

IPAddress 201.222.5.2

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::202:16FF:FE76:6A51

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

☐ Top

PC3

Physical Config **Desktop** Programming Attributes

☐ DHCP ☒ Static

IPAddress 201.222.5.9

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::260:70FF:FE26:A094

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

☐ Top

PC4

Physical Config Desktop Programming Attributes

☐ DHCP ☒ Static

IP Address: 201.222.5.10

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::201:96FF:FEDC:8B24

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

PC1

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: 0060.2F63.CBCE

IP Configuration

☐ DHCP ☒ Static

IP Address: 201.225.5.5

Subnet Mask: 255.255.255.48

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::260:2FFF:FE63:CBCE

☐ Top

PC2

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 0002.1676.6A51

IP Configuration

☐ DHCP

☒ Static

IP Address 201.222.5.2

Subnet Mask 255.255.255.48

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::202:16FF:FE76:6A51

☐ Top

PC3

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 0060.7026.A094

IP Configuration

☐ DHCP

☒ Static

IP Address 201.222.5.9

Subnet Mask 255.255.255.48

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::260:70FF:FE26:A094

☐ Top

PC4

PhysicalConfigDesktopProgrammingAttributes

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

0001.96DC.8B24

IP Configuration

☐ DHCP

☒ Static

IP Address

201.225.5.9

Subnet Mask

255.255.255.48

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

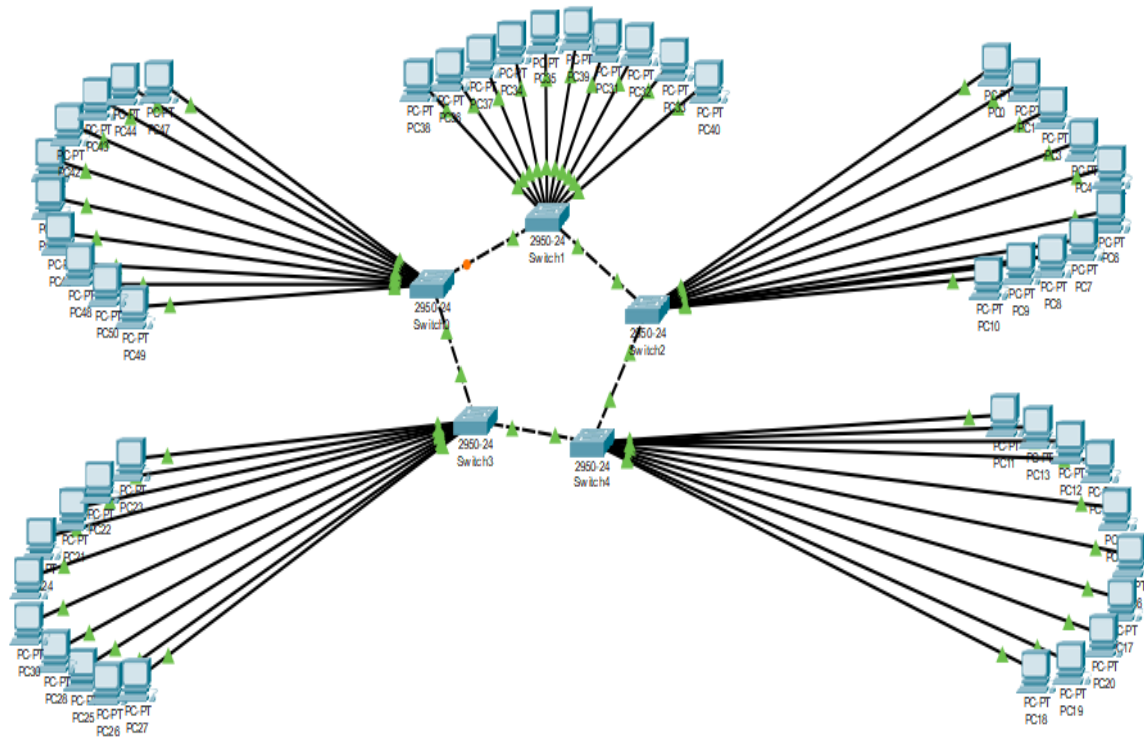
IPv6 Address

Link Local Address

FE80::201:96FF:FEDC:8B24

☐ Top

TUGAS MODUL



Menentukan Subnet Mask dan Subnet Address

IP Address : 202.155.19.0/27

11111111 11111111 11111111 11100000

Subnet Mask : 255.255.255.224

1. Jumlah Subnet : $2^x = 2^3 = 8$
2. Jumlah Host / Subnet : $2^y - 2 = 2^5 - 2 = 32 - 2 = 30$
3. Block Subnet : $256 - 224 = 32$
4. Tabel Subnet

Network	202.155.19.0	202.155.19.32	202.155.19.64	202.155.19.96	202.155.19.128	202.155.19.160	202.155.19.192	202.155.19.224
---------	--------------	---------------	---------------	---------------	----------------	----------------	----------------	----------------

Host Min	202.155.19.1	202.155.19.33	202.155.19.65	202.155.19.97	202.155.19.129	202.155.19.161	202.155.19.193	202.155.19.225
Host Max	202.155.19.30	202.155.19.62	202.155.19.94	202.155.19.126	202.155.19.158	202.155.19.190	202.155.19.222	202.155.19.254
Broadcast	202.155.19.31	202.155.19.63	202.155.19.95	202.155.19.127	202.155.19.159	202.155.19.191	202.155.19.223	202.155.19.255

PC0

Physical

Config

Desktop

Programming

Attributes

IP Configuration

InterfaceFastEthernet0

IP Configuration

DHCP

Static

IP Address202.155.19.1

Subnet Mask255.255.255.0

Default Gateway0.0.0.0

DNS Server0.0.0.0

IPv6 Configuration

DHCP

Auto Config

Static

IPv6 Address

Link Local AddressFE80::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 Address202.155.19.254

Subnet Mask255.255.255.0

Default Gateway0.0.0.0

DNS Server0.0.0.0

IPv6 Configuration

DHCP

Auto Config

Static

IPv6 Address

Link Local AddressFE80::2D0:97FF:FE96:3843

IPv6 Gateway

IPv6 DNS Server

802.1X

Use 802.1X Security

AuthenticationMD5

Username

Password

Top

PC0

Physical Config **Devices** 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=86ms TTL=128
Reply from 202.155.19.13: bytes=32 time=86ms TTL=128
Reply from 202.155.19.12: bytes=32 time=86ms TTL=128
Reply from 202.155.19.21: bytes=32 time=85ms TTL=128
Reply from 202.155.19.22: bytes=32 time=85ms 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=86ms TTL=128
Reply from 202.155.19.36: bytes=32 time=86ms TTL=128
Reply from 202.155.19.35: bytes=32 time=86ms TTL=128
Reply from 202.155.19.34: bytes=32 time=106ms TTL=128
Reply from 202.155.19.33: bytes=32 time=106ms TTL=128
Reply from 202.155.19.32: bytes=32 time=106ms TTL=128
Reply from 202.155.19.31: bytes=32 time=106ms TTL=128
Reply from 202.155.19.154: bytes=32 time=106ms TTL=128
Reply from 202.155.19.150: bytes=32 time=106ms TTL=128
Reply from 202.155.19.140: bytes=32 time=106ms TTL=128
Reply from 202.155.19.120: bytes=32 time=106ms TTL=128
Reply from 202.155.19.100: bytes=32 time=106ms TTL=128
Reply from 202.155.19.90: bytes=32 time=106ms TTL=128
Reply from 202.155.19.88: bytes=32 time=106ms TTL=128
Reply from 202.155.19.80: bytes=32 time=106ms 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