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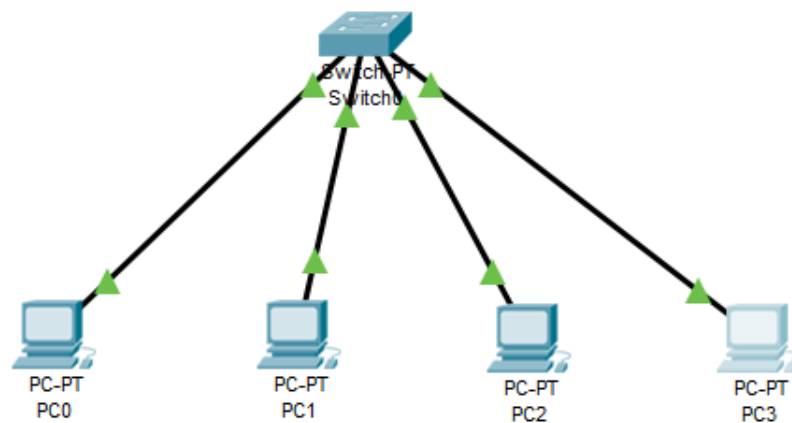
Kelas : A

MODUL 3

SUBNETTING

C. Kegiatan Praktikum

Kegiatan 1. Desain dan Konfigurasi Subnetting



PC0

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::209:7CFF:FEB1:44BA

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

PC1

Physical Config **Desktop** Programming Attributes

☐ 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::2E0:F9FF:FED8:691A

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

☐ Top

PC2

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::20D:BDFF:FE55:BD42

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

☐ Top

PC3

PhysicalConfigDesktopProgrammingAttributes

☐ DHCP

☒ Static

IP Address

201.222.5.10

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::201:97FF:FEE2:5B60

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication

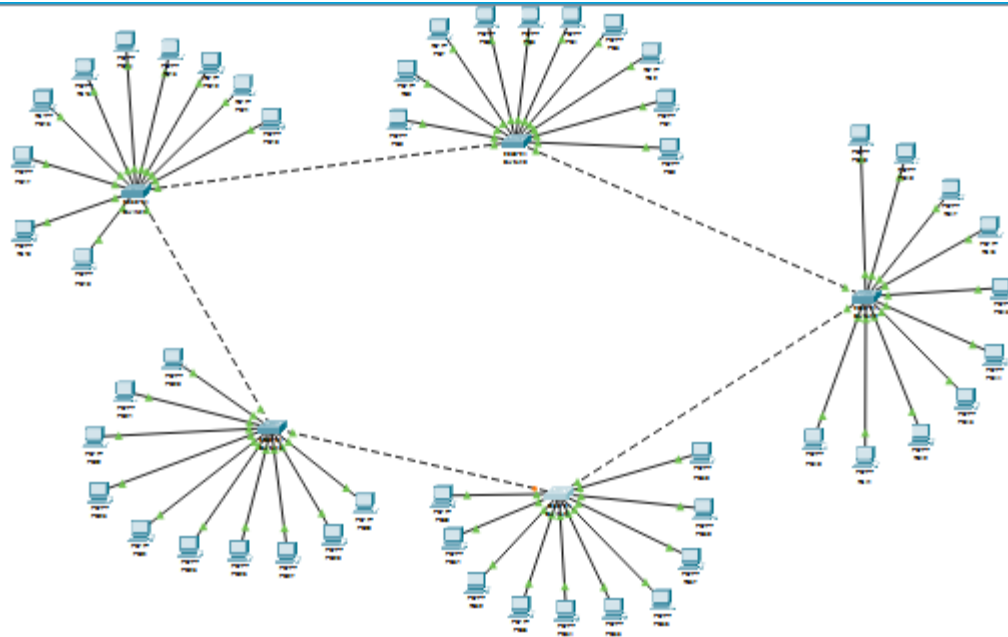
MDS

Username

Password

☐ Top

D. Tugas Modul



Network ID 202.155.19.0 dengan subnet mask default 255.255.255.0

11111111.11111111.11111111.00000000

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

PC0

Physical Config **Desktop** Programming Attributes

☐ 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::203:E4FF:FE84:53B

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

PC49

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::2E0:F7FF:FE39:286D

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Authentication: MD5

Username:

Password:

☐ Top

Melakukan ping di PC 0 dengan IP Address PC 49

