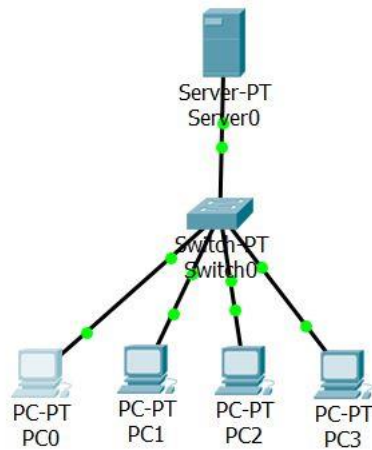COMPUTER NETWORKS

PRACTICUM 5

Disusun oleh:

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L200183070

INFORMATION STUDY PROGRAM

COMMUNICATION AND INFORMATION FACULTY

MUHAMMADIYAH UNIVERSITY OF SURAKARTA

2020

Practicum Activities

1. PRACTICUM 1 MAKE DHCP SERVER

➢ Layout of DHCP Server

➢ Configure DHCP Server on Server 0

➢ Service on server 0

➢ IP Configuration on PC

PC1

Physical | Config | Desktop | Programming | Attributes

IP Configuration   X

IP Configuration

( ) DHCP   ( ) Static

IP Address   192.168.123.19

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:F9FF:FE7C:8B60

IPv6 Gateway

IPv6 DNS Server

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PC2

Physical | Config | Desktop | Programming | Attributes

IP Configuration   X

IP Configuration

(•) DHCP   ( ) Static   DHCP request successful.

IP Address   192.168.123.21

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:BCFF:FEC6:E4D5

IPv6 Gateway

IPv6 DNS Server

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PC3 — □ ✕

Physical | Config | Desktop | Programming | Attributes

IP Configuration X

IP Configuration

◉ DHCP   ○ Static   DHCP request successful.

IP Address   192.168.123.22

Subnet Mask   255.255.255.0

Default Gateway   0.0.0.0

DNS Server   0.0.0.0

IPv6 Configuration

○ DHCP   ○ Auto Config   ◉ Static
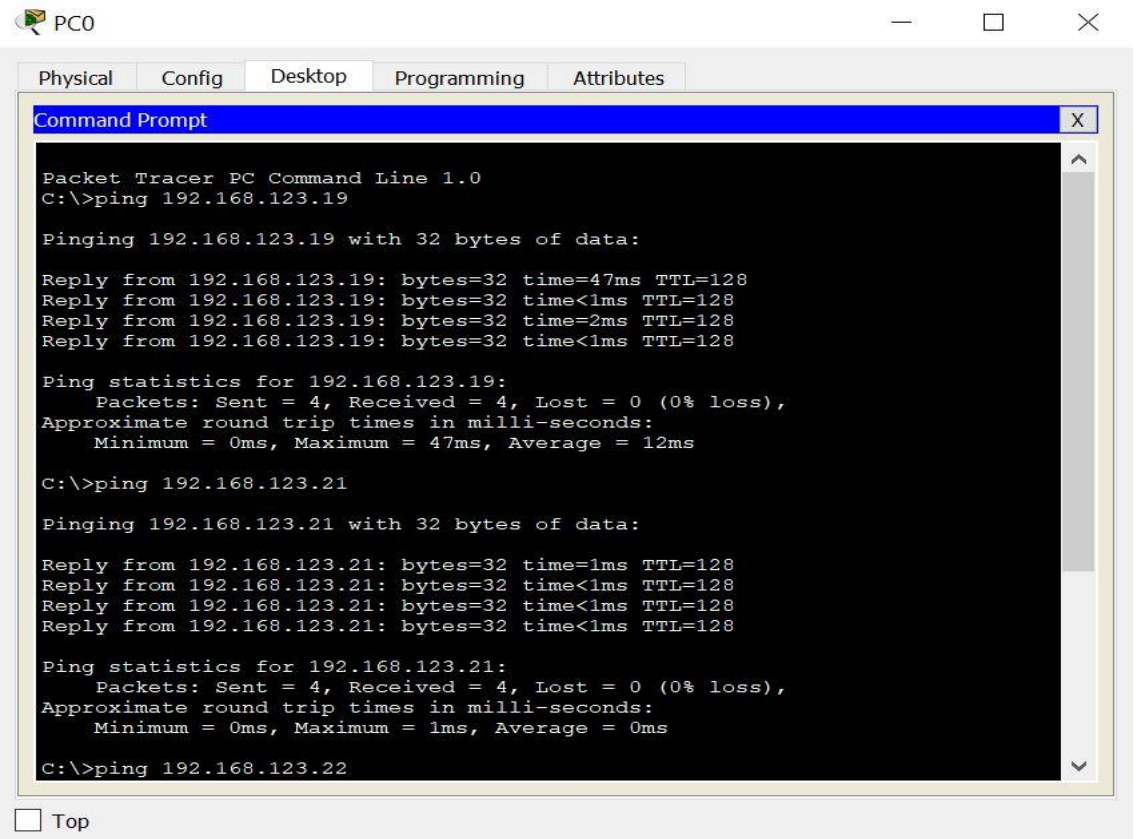
IPv6 Address   _____ / ____

Link Local Address   FE80::260:2FFF:FE42:C862

IPv6 Gateway   _____

IPv6 DNS Server   _____

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➢ Ping the entire PC

PC0   —   □   ✕

| Physical | Config | Desktop | Programming | Attributes |

Command Prompt   X

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.19

Pinging 192.168.123.19 with 32 bytes of data:

Reply from 192.168.123.19: bytes=32 time=47ms TTL=128
Reply from 192.168.123.19: bytes=32 time<1ms TTL=128
Reply from 192.168.123.19: bytes=32 time=2ms TTL=128
Reply from 192.168.123.19: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.19:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 47ms, Average = 12ms

C:\>ping 192.168.123.21

Pinging 192.168.123.21 with 32 bytes of data:

Reply from 192.168.123.21: bytes=32 time=1ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.123.22
```
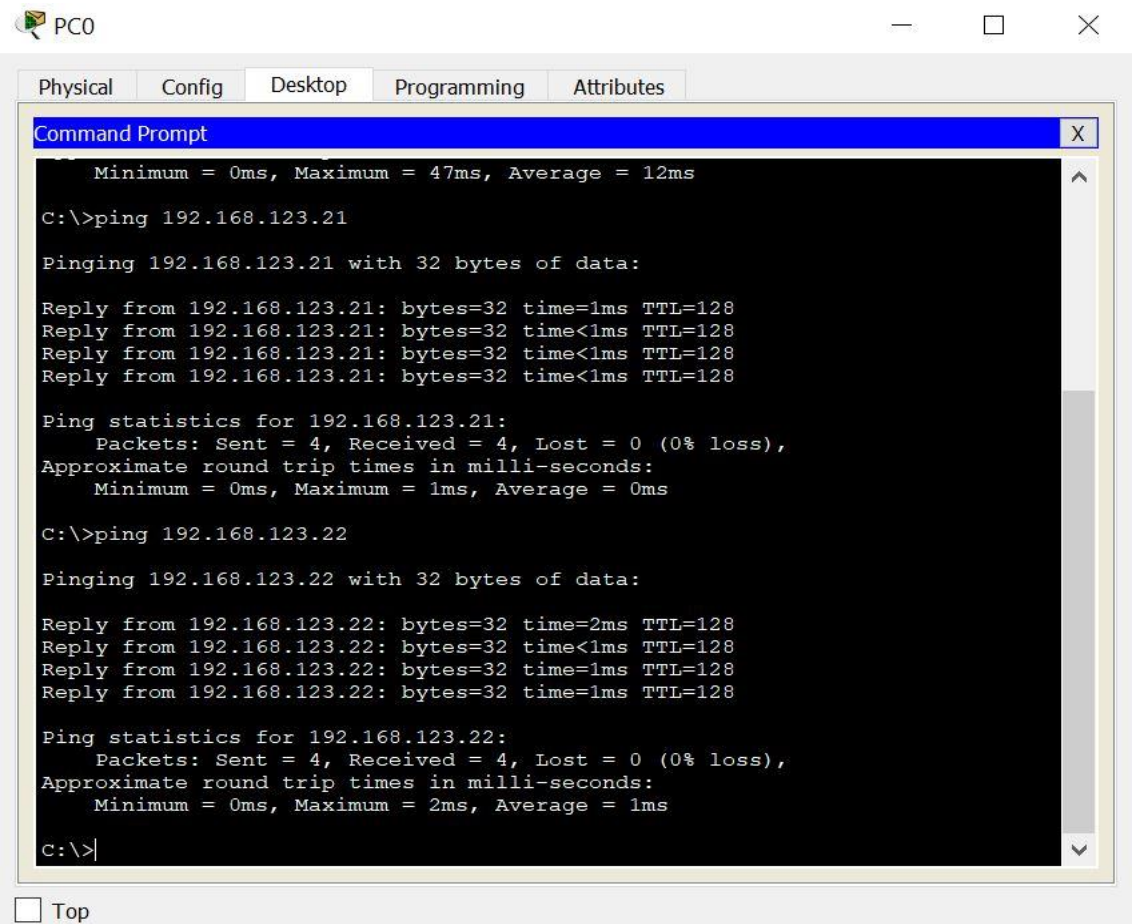
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PC0   —   □   ✕

| Physical | Config | Desktop | Programming | Attributes |

Command Prompt   X

```
    Minimum = 0ms, Maximum = 47ms, Average = 12ms

C:\>ping 192.168.123.21

Pinging 192.168.123.21 with 32 bytes of data:

Reply from 192.168.123.21: bytes=32 time=1ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128
Reply from 192.168.123.21: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.123.21:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.123.22

Pinging 192.168.123.22 with 32 bytes of data:

Reply from 192.168.123.22: bytes=32 time=2ms TTL=128
Reply from 192.168.123.22: bytes=32 time<1ms TTL=128
Reply from 192.168.123.22: bytes=32 time=1ms TTL=128
Reply from 192.168.123.22: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.123.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 1ms

C:\>
```
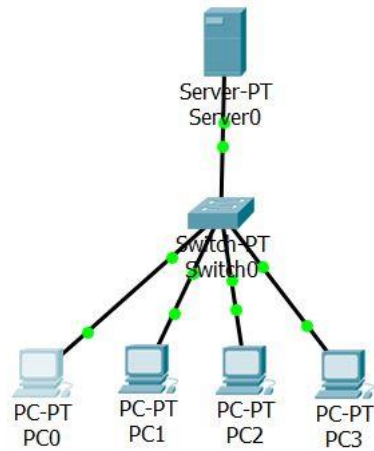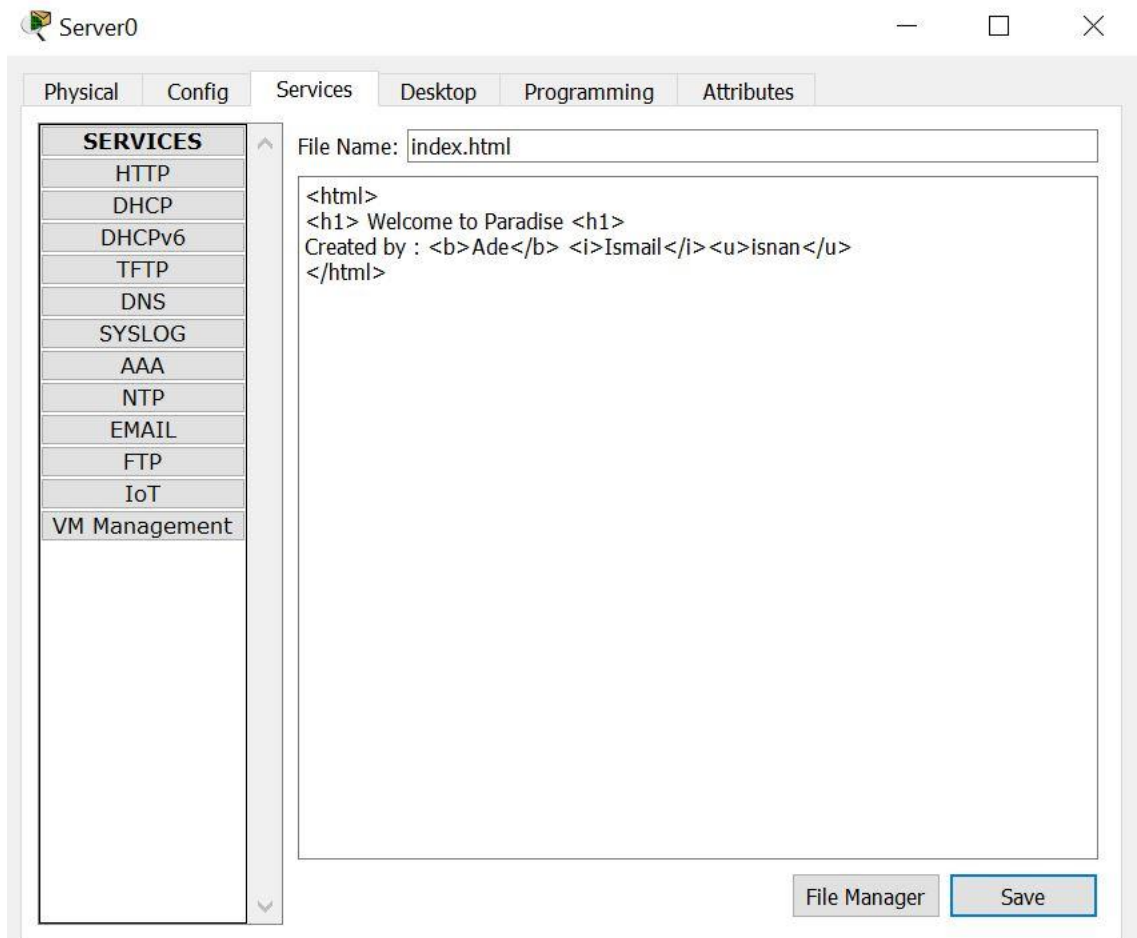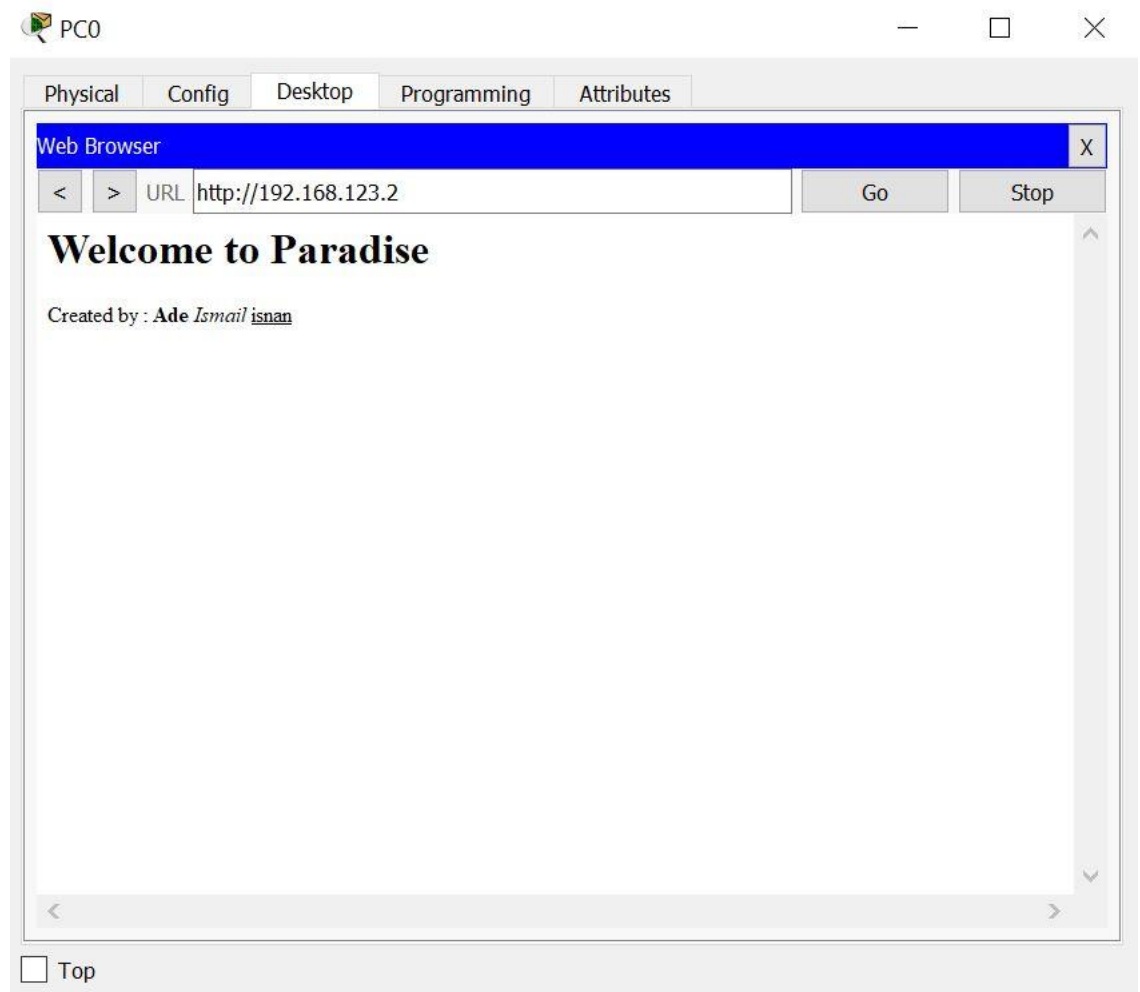
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2. PRACTICUM 2 MAKE WEB SERVER
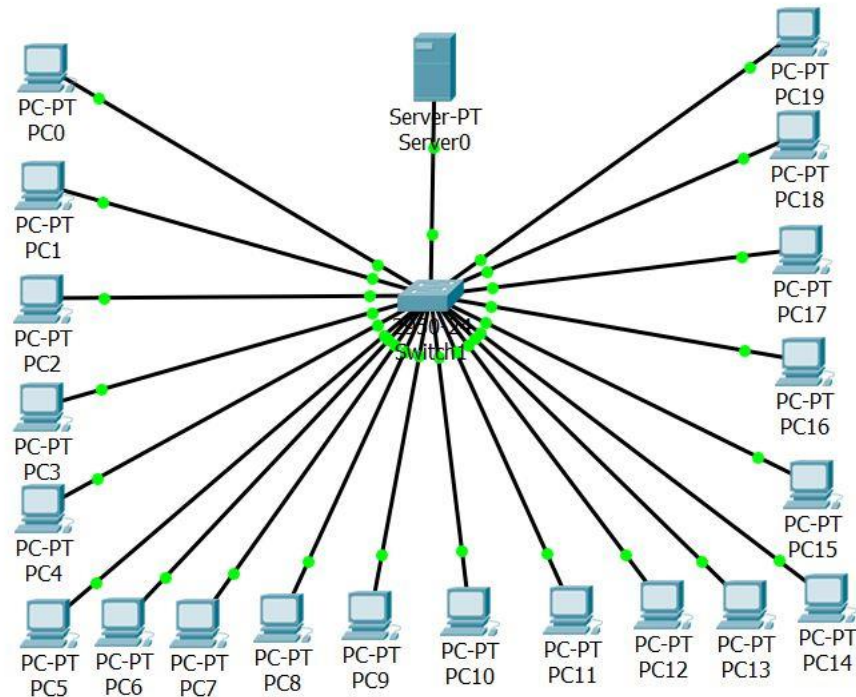
➢ Layout of DHCP Server

➢ Change the HTML Script

➢ Results from PC 0 Web Browser

ASSIGNMENT

> Layout of DHCP Server

> Server Configuration

➢ Configuration on a PC

PC0 — □ ✕

| Physical | Config | Desktop | Programming | Attributes |

IP Configuration ✕

IP Configuration

- ◉ DHCP   ○ Static

IP Address	192.168.123.3
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:FE99:1046
IPv6 Gateway	
IPv6 DNS Server	

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➢ Configuration in the index.html file

Server2 — □ ✕

| Physical | Config | Services | Desktop | Programming | Attributes |

SERVICES
- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management

File Name: index.html

```
<html>
<center><font size='+2' color='pink'>BIODATAKU</font></center>


<br>Nama : Aulia Septianingrum Reyana Nurcahyani
<br>NIM : L200183070
<br>Alamat : Gang Jati II No. 66 Perumnas II Waena, Jayapura - Papua
<br> Jenis : Manusia
<br> Jenis Kelamin :Wanita Seutuhnya
</html>
```

File Manager   Save

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➢ Results on a PC web browser