

Praktikum Jaringan Komputer

Modul 5

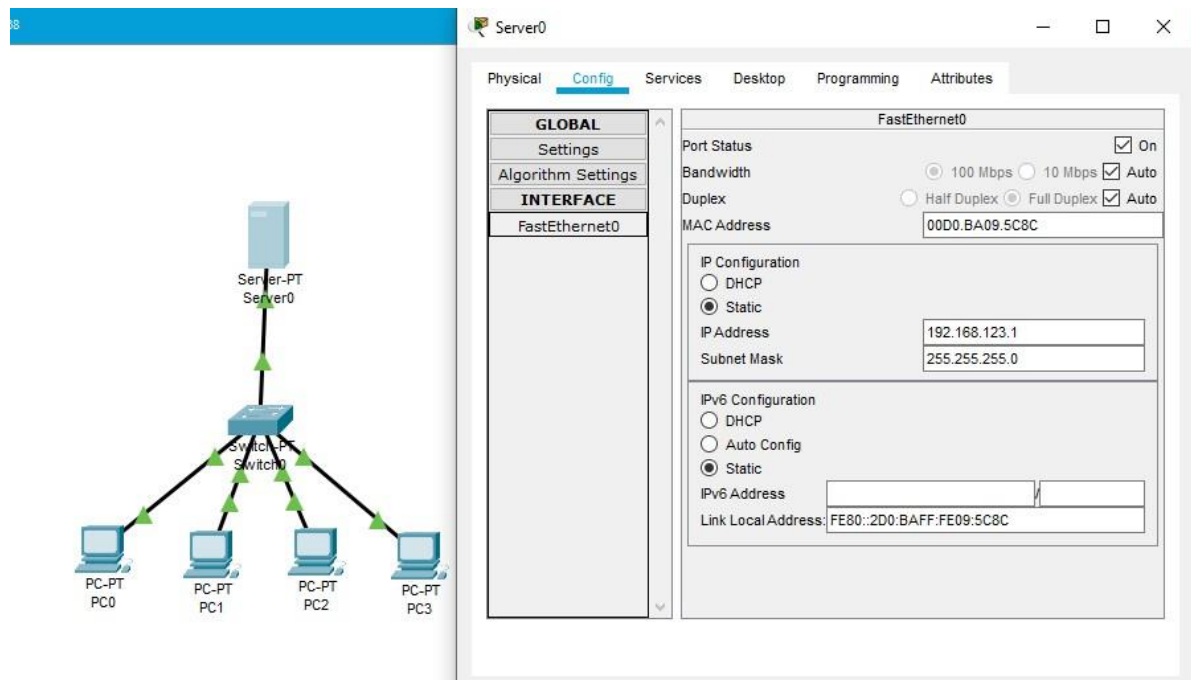
Nama : Oscar Satria Utama
NIM : L200180001
Kelas : A

Kegiatan Praktikum

A. DHCP Server

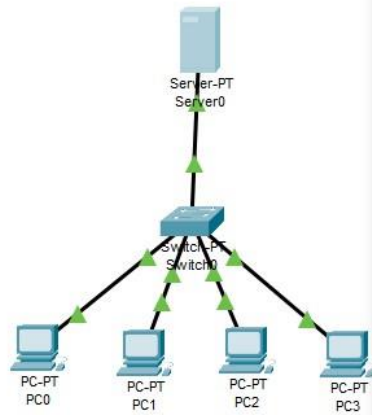
Server = 192.168.123.1/24
DHCP = ON
Start IP = 192.168.123.19
User Max = 5
Range IP = 192.168.123.19 – 192.168.123.23

Topologi
IP Configuration Server



Configuration DHCP

17. y: 13



Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

Start IP Address: 192 168 123 19

Subnet Mask: 255 255 255 0

Maximum Number of Users: 5

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	192....	255....	5	0.0.0.0	0.0.0.0

< >

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

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::290:2BFF:FE08:9D57

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

PC1

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IP Address 192.168.123.20

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::20A:41FF:FE21:9CAA

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

PC2

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

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::200:CFF:FE10:CD92

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

PC3

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

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::2D0:97FF:FE0C:2A3A

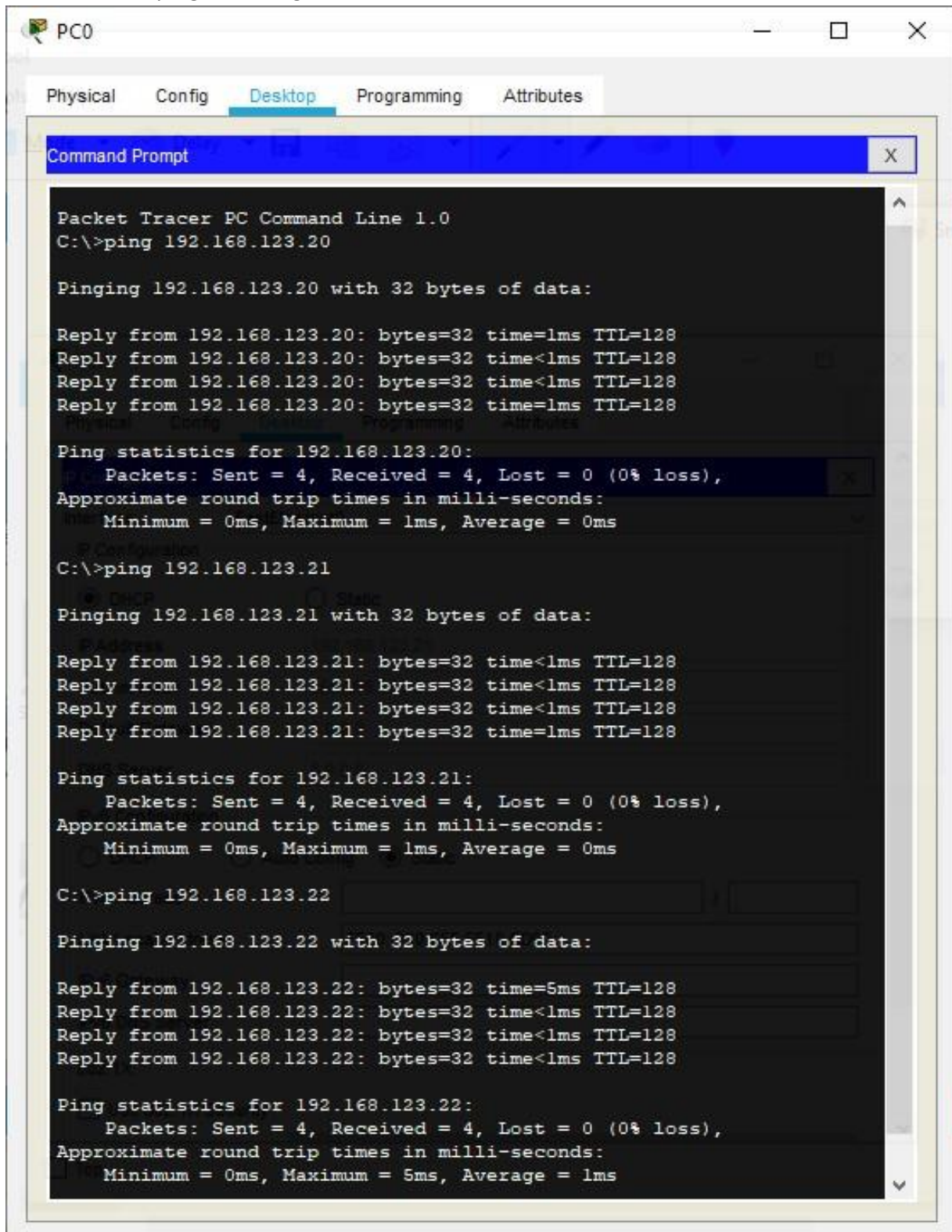
IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

PING Semua PC yang terhubung ke Server



The screenshot shows a Packet Tracer interface with a PC0 icon in the top left. The 'Desktop' tab is selected, displaying a 'Command Prompt' window. The window title is 'Command Prompt' with a close button (X). The text inside the window is as follows:

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.123.20

Pinging 192.168.123.20 with 32 bytes of data:

Reply from 192.168.123.20: bytes=32 time=1ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time<1ms TTL=128
Reply from 192.168.123.20: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.123.20:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.123.21

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

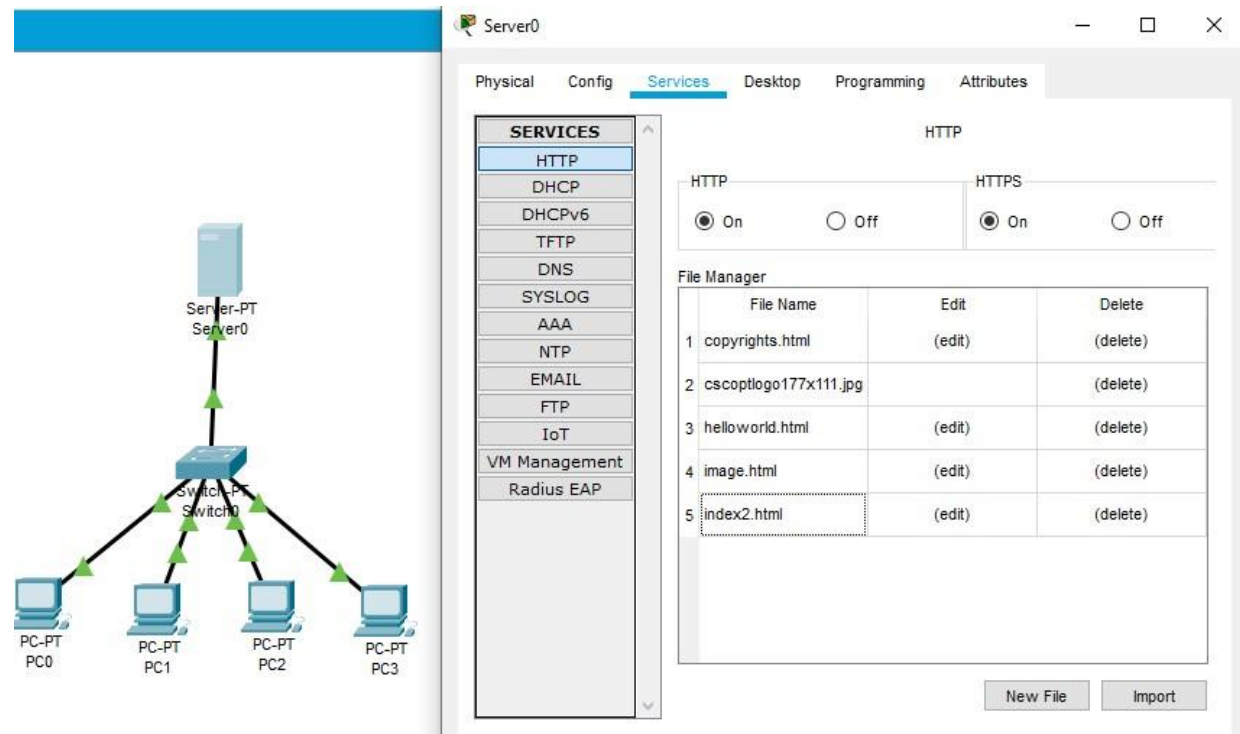
Pinging 192.168.123.22 with 32 bytes of data:

Reply from 192.168.123.22: bytes=32 time=5ms 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 = 5ms, Average = 1ms
```

WEB Server

HTTP = ON

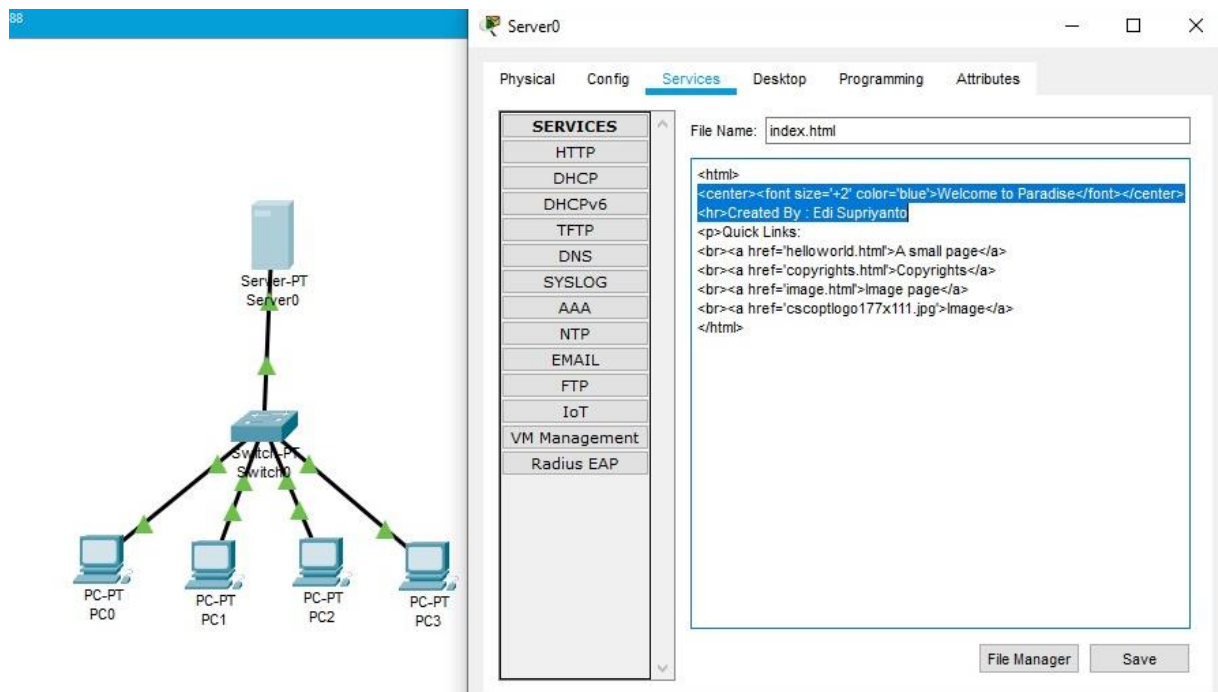


The image shows a network diagram on the left and the 'Server0' configuration window on the right. The network diagram illustrates a topology where a 'Server-PT Server0' is connected to a 'Switch-PT Switch0', which in turn is connected to four 'PC-PT' devices labeled PC0, PC1, PC2, and PC3. The 'Server0' window has tabs for Physical, Config, Services, Desktop, Programming, and Attributes. The 'Services' tab is active, displaying a list of services on the left and configuration options on the right. The 'HTTP' service is selected and set to 'On'. Below the service settings is a 'File Manager' table listing files for management.

	File Name	Edit	Delete
1	copyrights.html	(edit)	(delete)
2	cscoptlogo177x111.jpg		(delete)
3	helloworld.html	(edit)	(delete)
4	image.html	(edit)	(delete)
5	index2.html	(edit)	(delete)

Buttons for 'New File' and 'Import' are located at the bottom right of the File Manager section.

Edit File index.html



This image shows the same network diagram as the previous block, but the 'Server0' configuration window is now displaying the content of the 'index.html' file. The 'Services' tab remains active, and the 'index.html' file is selected in the 'File Manager' at the top. The main text area shows the HTML code for the index page, which includes a welcome message and a list of quick links to other files on the server.

```
<html>
<center><font size="+2" color="blue">Welcome to Paradise</font></center>
<hr>Created By : Edi Supriyanto
<p>Quick Links:
<br><a href='helloworld.html'>A small page</a>
<br><a href='copyrights.html'>Copyrights</a>
<br><a href='image.html'>Image page</a>
<br><a href='cscoptlogo177x111.jpg'>Image</a>
</html>
```

'File Manager' and 'Save' buttons are visible at the bottom right.

Hasil WEB Server di PC0

Buka Desktop>web browser>ketikkan "192.168.123.1" pada URL> enter/Klik Go

