

**NAMA : ELSA PUTRI ALIYYA**

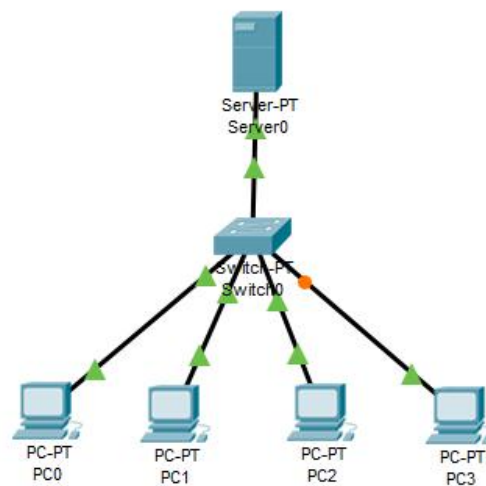
**NIM : L200180108**

**KELAS : C**

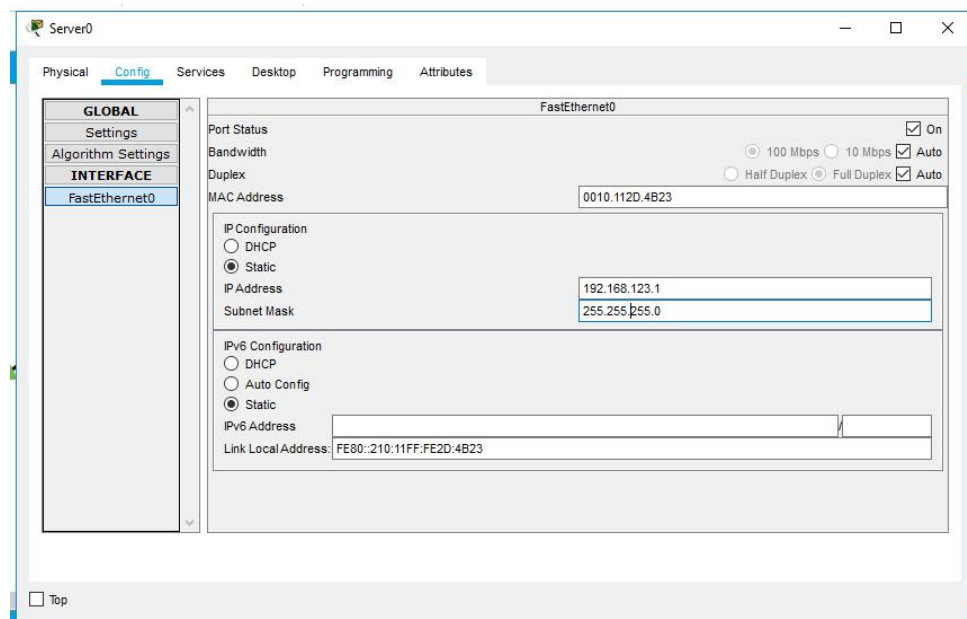
## MODUL 5

### KEGIATAN PRAKTIKUM 1

Persiapan server DHCP dengan menggunakan 5buah workstation, 1switch, dan 1server



Pada menu Interface, pilih Fast-ethernet. Pada bagian menu configuration, isikan dengan IP address 192.168.123.1 subnet mask 255.255.255.0



Untuk konfigurasi dhcp server pada jendela properties server 0 pada services, pilih DHCP. Pastikan service DHCP On. Isikan blok IP adress yang akan diberikan ke PC client.

Konfigurasi di sisi client pastikan pilihan IP Configuration radio button DHCP

The screenshot shows the 'PC0' configuration window with the 'Desktop' tab selected. Under 'IP Configuration', the 'DHCP' radio button is selected, and a status message 'DHCP request successful.' is displayed. The IP Address is 192.168.123.19, Subnet Mask is 255.255.255.0, Default Gateway is 192.168.123.1, and DNS Server is 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is selected. The IPv6 Address field is empty, Link Local Address is FE80::202:4AFF:FEB2:36D4, IPv6 Gateway is empty, and IPv6 DNS Server is empty. Under '802.1X', 'Use 802.1X Security' is unchecked, Authentication is set to 'MD5', and Username and Password fields are empty. A 'Top' button is at the bottom left.

The screenshot shows the 'PC1' configuration window with the 'Desktop' tab selected. Under 'IP Configuration', the 'DHCP' radio button is selected, and a status message 'DHCP request successful.' is displayed. The IP Address is 192.168.123.20, Subnet Mask is 255.255.255.0, Default Gateway is 192.168.123.1, and DNS Server is 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is selected. The IPv6 Address field is empty, Link Local Address is FE80::240:BFF:FE25:9D9D, IPv6 Gateway is empty, and IPv6 DNS Server is empty. Under '802.1X', 'Use 802.1X Security' is unchecked, Authentication is set to 'MD5', and Username and Password fields are empty. A 'Top' button is at the bottom left.

PC2

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.123.21

Subnet Mask 255.255.255.0

Default Gateway 192.168.123.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::2E0:F7FF:FE89:4475

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

Authentication MDS

Username

Password

☐ Top

PC3

Physical Config **Desktop** Programming Attributes

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.123.22

Subnet Mask 255.255.255.0

Default Gateway 192.168.123.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::200:CFF:FEDA:4157

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

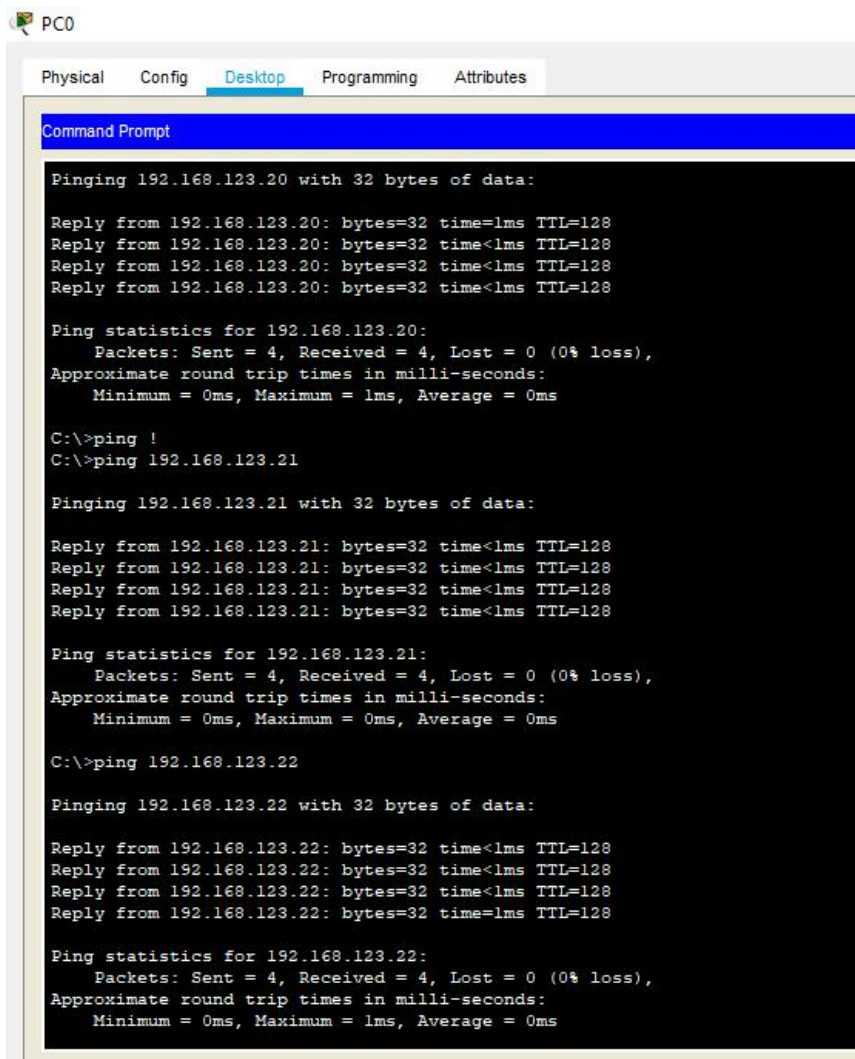
Authentication MDS

Username

Password

☐ Top

Setelah selesai konfigurasi, ping kesemua PC yang terhubung dengan server DHCP



```
PC0
Physical Config Desktop Programming Attributes
Command Prompt

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 !
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 = 0ms, Average = 0ms

C:\>ping 192.168.123.22

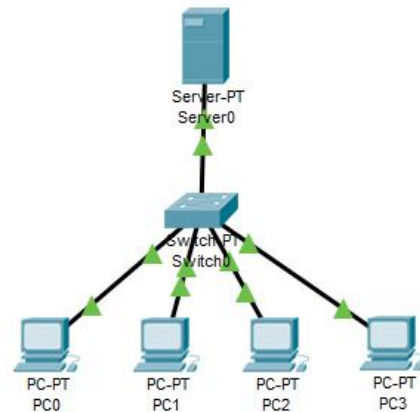
Pinging 192.168.123.22 with 32 bytes of data:

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

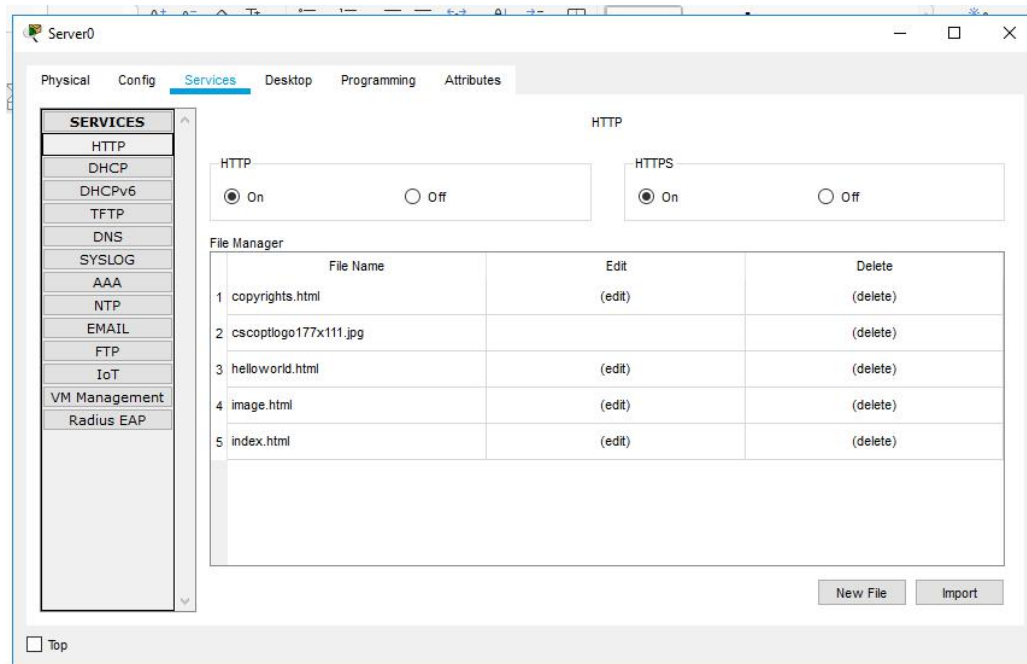
Ping statistics for 192.168.123.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

## KEGIATAN 2 MEMBUAT WEB SERVER

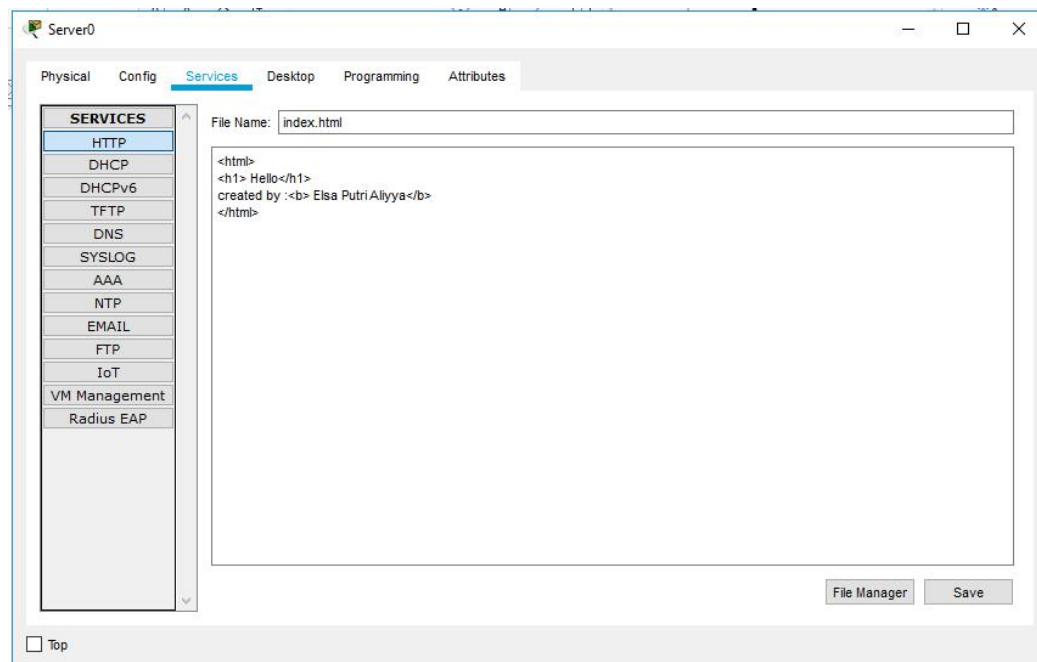
### Membuat Web Server



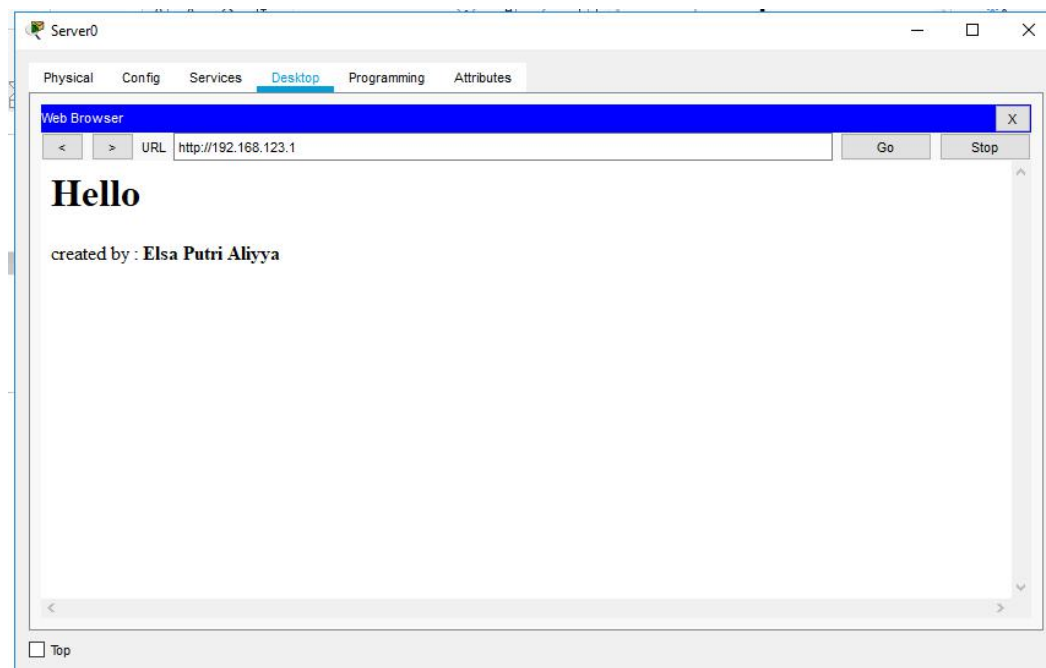
Pilih radio button ON pada HTTP



Edit pesan yang akan ditampilkan pada saat browsing HTTP



Browsing HTTP

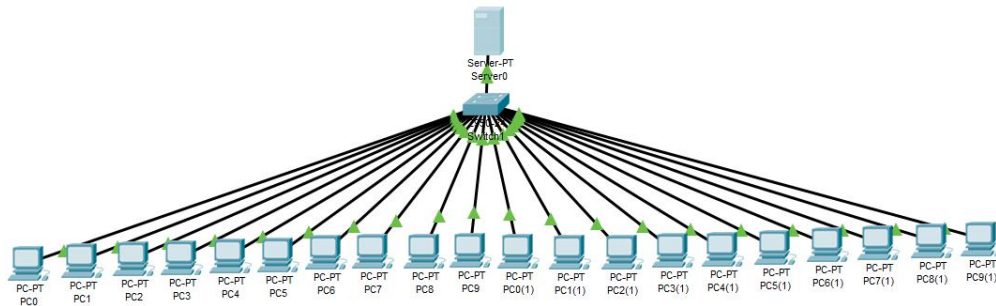


# TUGAS

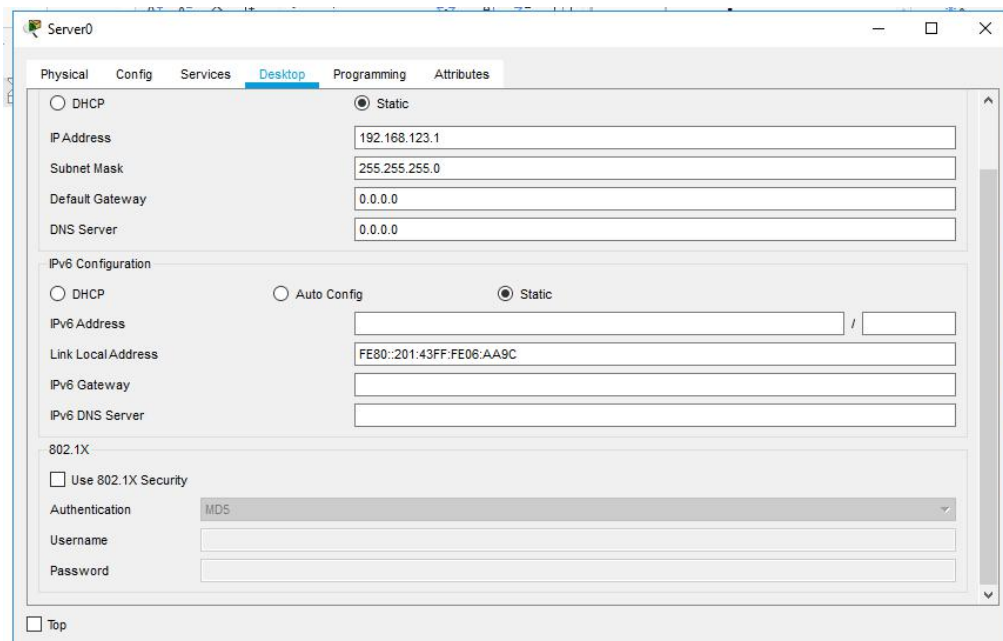
## Nomer 1

Buatlah DHCP server dengan packet tracker dengan client terdiri dari 20PC!

Persiapan simulasi server DHCP dengan menggunakan 20 buah workstation, 1switch, dan 1server.



Melakukan konfigurasi IP adress pada server 0



## Melakukan konfigurasi DHCP

The screenshot shows the 'Server0' configuration window in Cisco Packet Tracer, specifically the 'Services' tab. The 'DHCP' service is selected in the left-hand 'SERVICES' list. The main configuration area is titled 'DHCP' and includes the following settings:

- Interface: FastEthernet0
- Service: ☒ On
- Pool Name: serverPool
- Default Gateway: 192.168.123.1
- DNS Server: 0.0.0.0
- Start IP Address: 192.168.123.19
- Subnet Mask: 255.255.255.0
- Maximum Number of Users: 237
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

Below the configuration fields are 'Add', 'Save', and 'Remove' buttons. A table at the bottom displays the configured DHCP pool:

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.123.1	0.0.0.0	192.168.123.19	255.255.255.0	237	0.0.0.0	0.0.0.0

## Melakukan ping

```
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=37ms TTL=128
Reply from 192.168.123.20: bytes=32 time=2ms TTL=128
Reply from 192.168.123.20: bytes=32 time=1ms TTL=128
Reply from 192.168.123.20: bytes=32 time=4ms 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 = 1ms, Maximum = 37ms, Average = 11ms

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=18ms TTL=128
Reply from 192.168.123.21: bytes=32 time=4ms 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 = 18ms, Average = 5ms

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

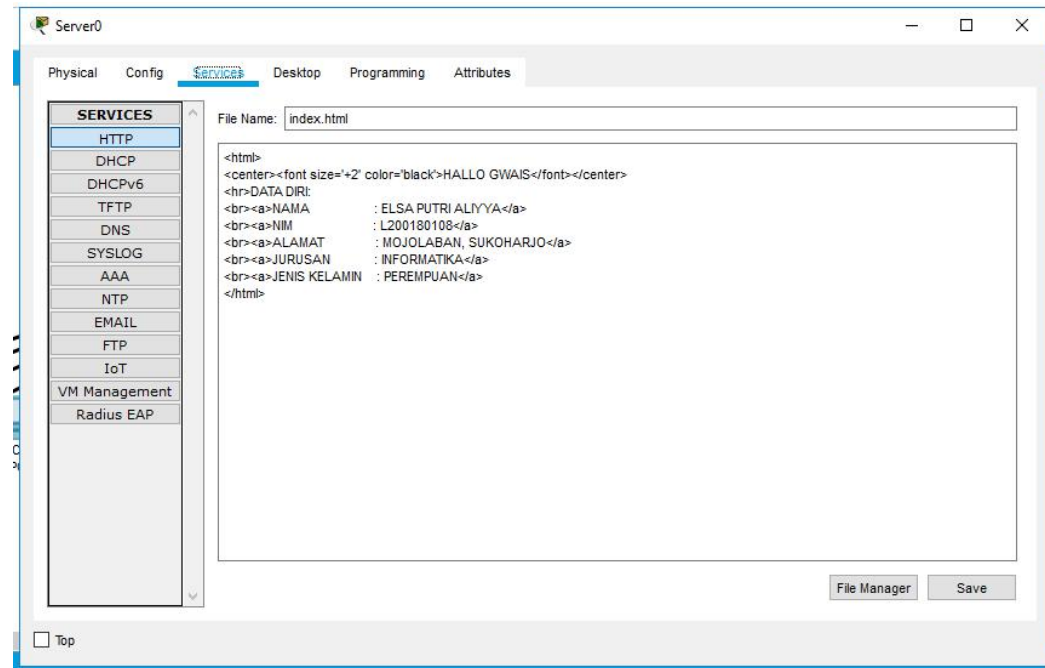
Ping statistics for 192.168.123.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
```



## Nomer 2

Buatlah web server pada packet tracker. Dengan mengubah tampilan pada web tersebut.

Mengubah tampilan web sesuai ketentuan



Tampilan web setelah diubah

