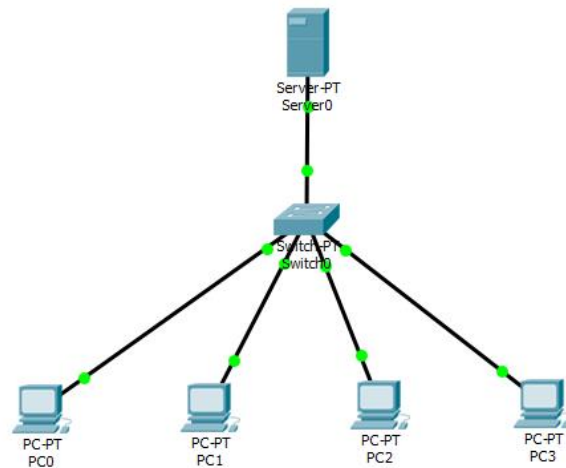


Nama : Anggit Astriani

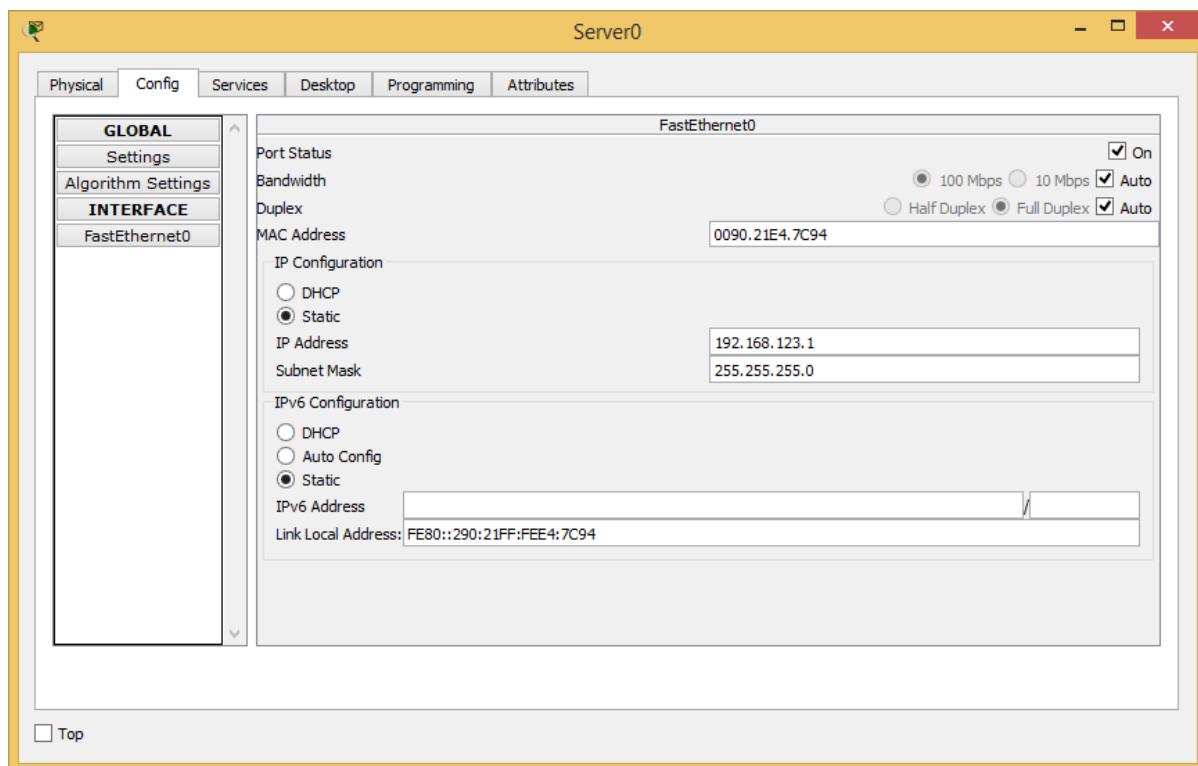
NIM : L200180111

## MODUL 5

### 1. PRAKTIKUM 1 MEMBUAT DHCP SERVER



- Double-klik Srver0 pilih tab config, pada menu interface, pilih Fast-Ethernet. Pada bagian IP Configuration, isikan dengan IP address server 192.168.123.1



- Pada menu servis klik DHCP dan klik On. Isi start IP address dengan 192.168.123.19 dan maximum number of users 5.

The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. On the left, a 'SERVICES' list includes HTTP, DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL, FTP, IoT, and VM Management. The 'DHCP' service is configured for the 'FastEthernet0' interface with the 'Service' set to 'On'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' is '0.0.0.0'. The 'DNS Server' is '0.0.0.0'. The 'Start IP Address' is '192.168.123.19' and the 'Subnet Mask' is '255.255.255.0'. The 'Maximum Number of Users' is '5'. The 'TFTP Server' and 'WLC Address' are both '0.0.0.0'. Below the configuration fields is a table showing the DHCP pool configuration.

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	192.168.123...	255.255.255.0	5	0.0.0.0	0.0.0.0

- Pada sisi client pastikan pilihan radio button pada pilihan DHCP.

The screenshot shows the 'PC0' configuration window with the 'Config' tab selected. The 'IP Configuration' section is expanded, showing the 'IP Configuration' sub-tab. The 'DHCP' radio button is selected. The 'IP Address' is '192.168.123.19', the 'Subnet Mask' is '255.255.255.0', the 'Default Gateway' is '0.0.0.0', and the 'DNS Server' is '0.0.0.0'. The 'IPv6 Configuration' section is also visible, with the 'Static' radio button selected. The 'IPv6 Address' is 'FE80::2E0:B0FF:FE44:5462', the 'Link Local Address' is 'FE80::2E0:B0FF:FE44:5462', the 'IPv6 Gateway' is empty, and the 'IPv6 DNS Server' is empty.

PC1

Physical Config Desktop Programming Attributes

IP Configuration

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::2D0:FFFF:FEE0:4559

IPv6 Gateway

IPv6 DNS Server

☐ Top

PC2

Physical Config Desktop Programming Attributes

IP Configuration

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

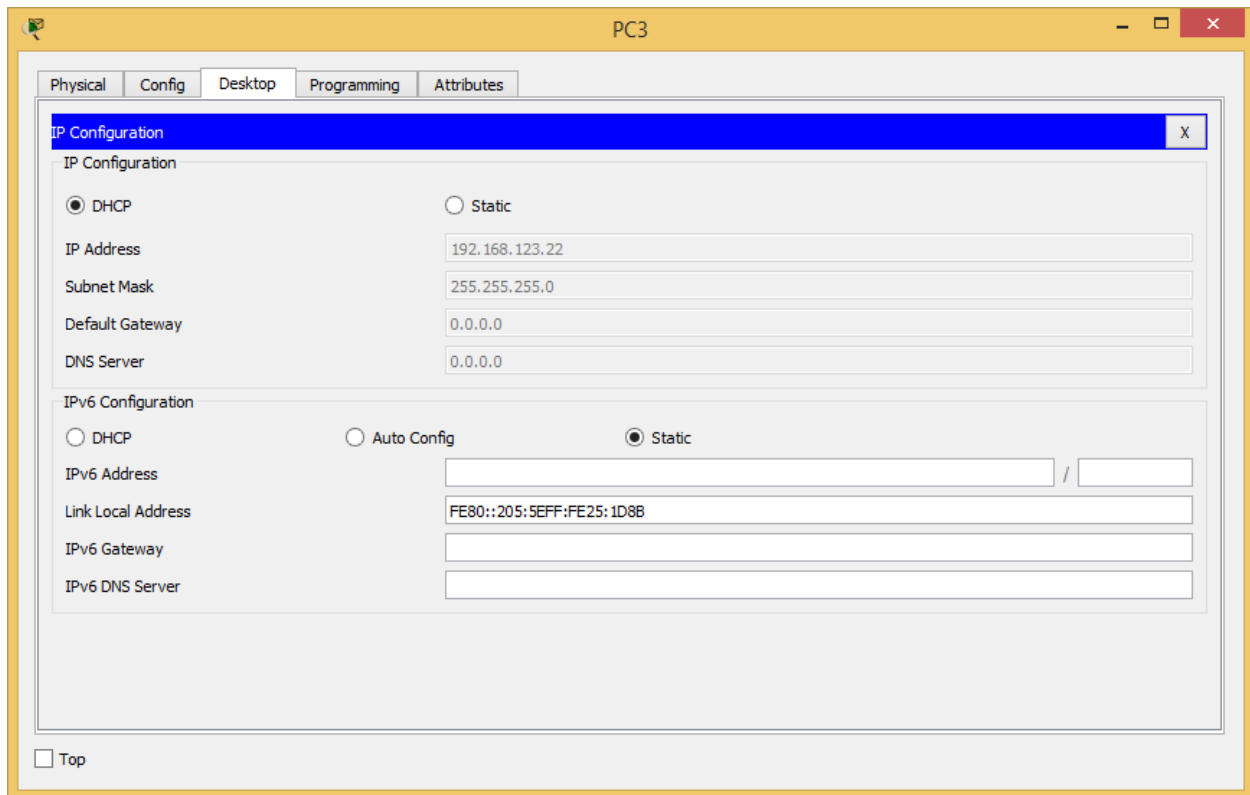
IPv6 Address /

Link Local Address FE80::2D0:97FF:FE44:DD93

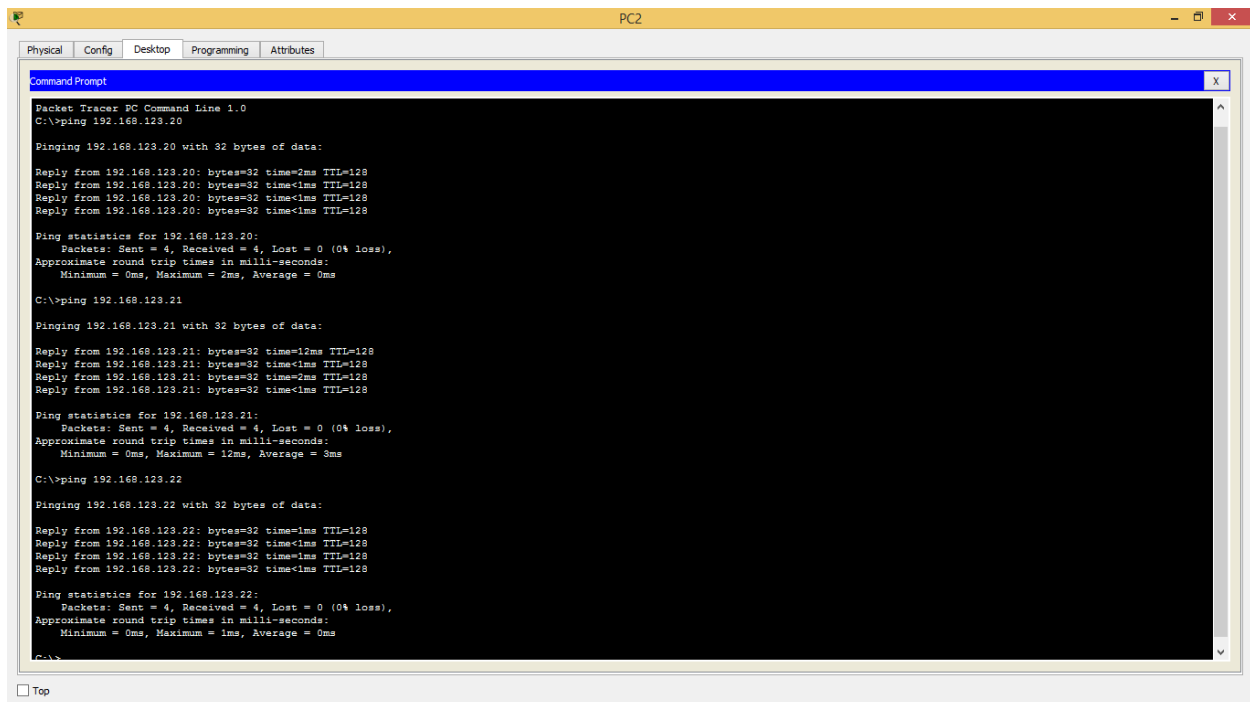
IPv6 Gateway

IPv6 DNS Server

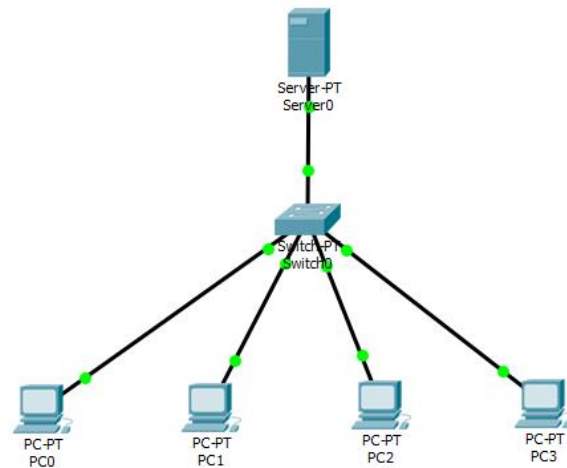
☐ Top



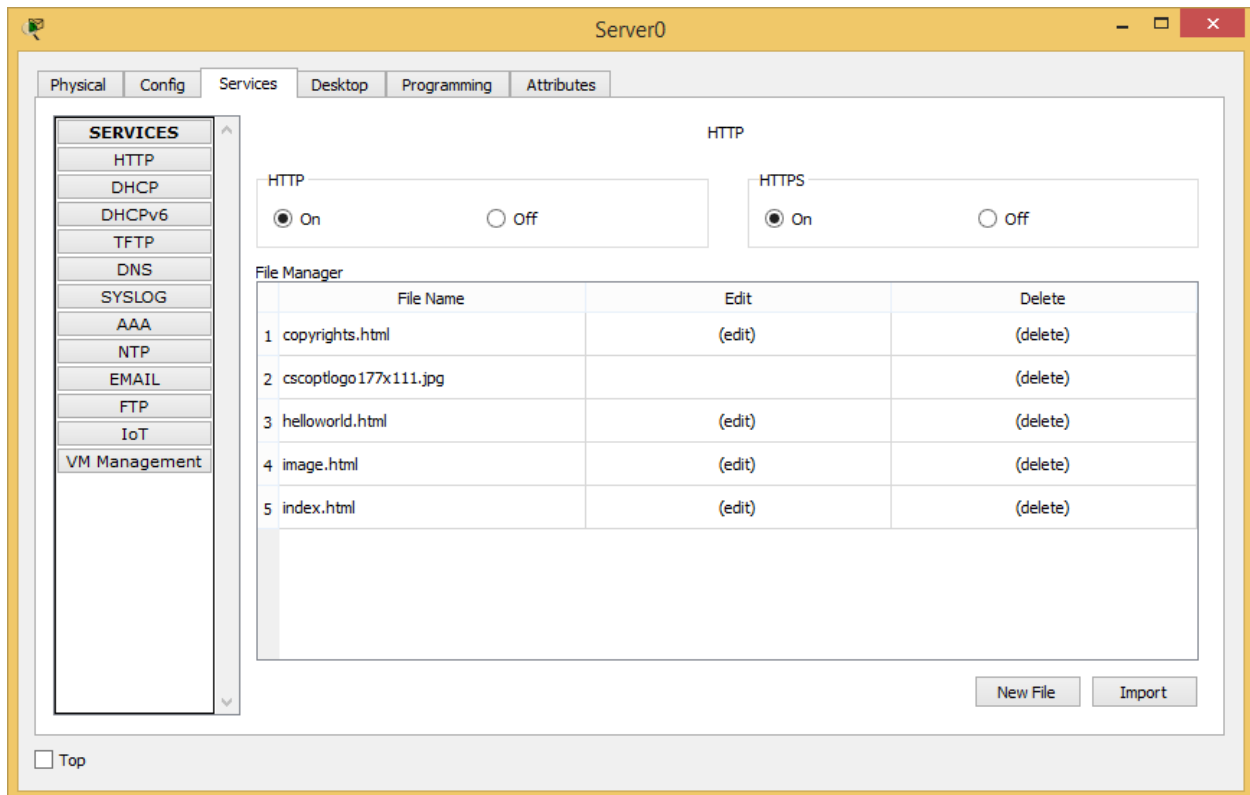
- Setelah selesai konfigurasi semua, lakukan ping pada semua PC.



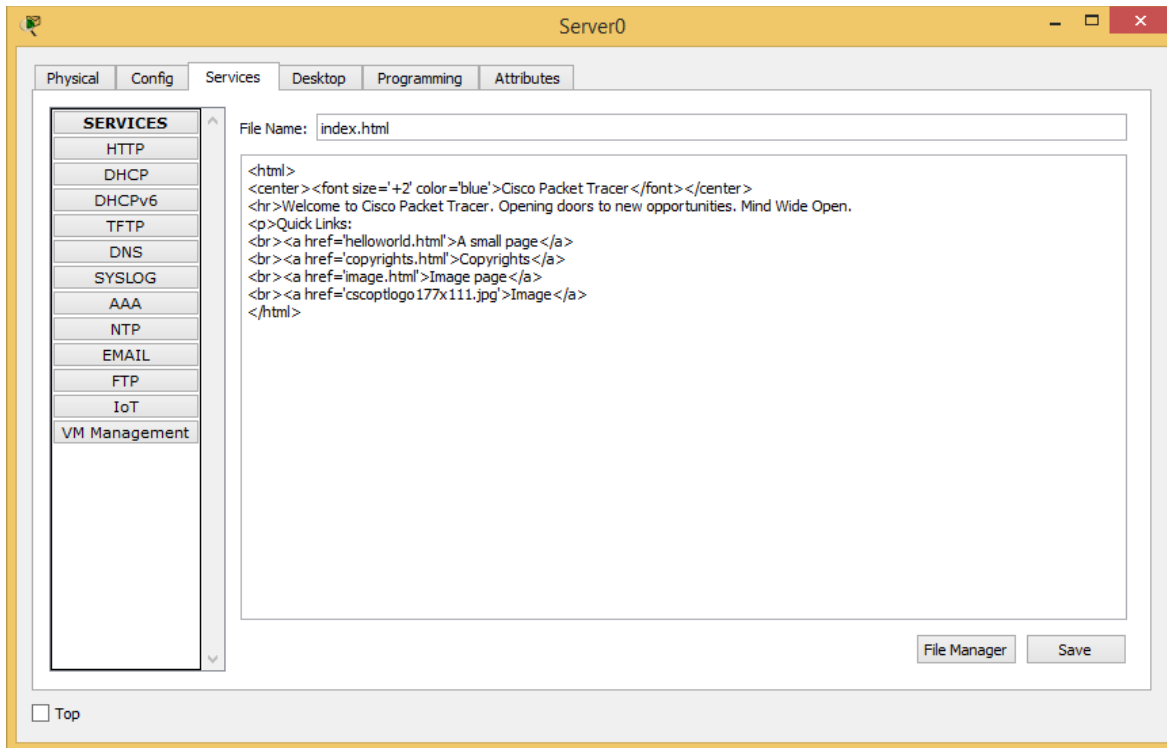
## 2. PRAKTIKUM 2 MEMBUAT WEB SERVER



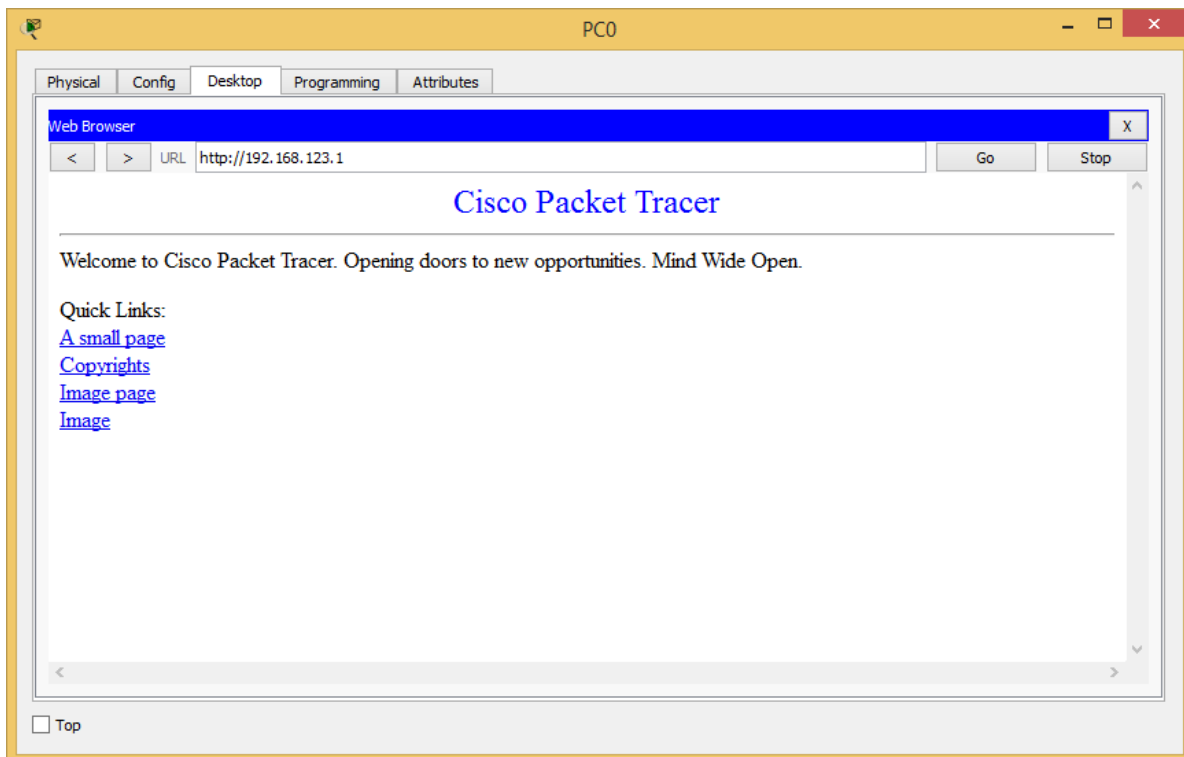
- Pastikan rancangan sudah tersetting sama seperti kegiatan 1
- Masuk ke Server0, pilih Services pilih HTTP. Pastikan radio button pada service HTTP pada pilihan On



- Lalu ubah index.html sesuai yang diinginkan

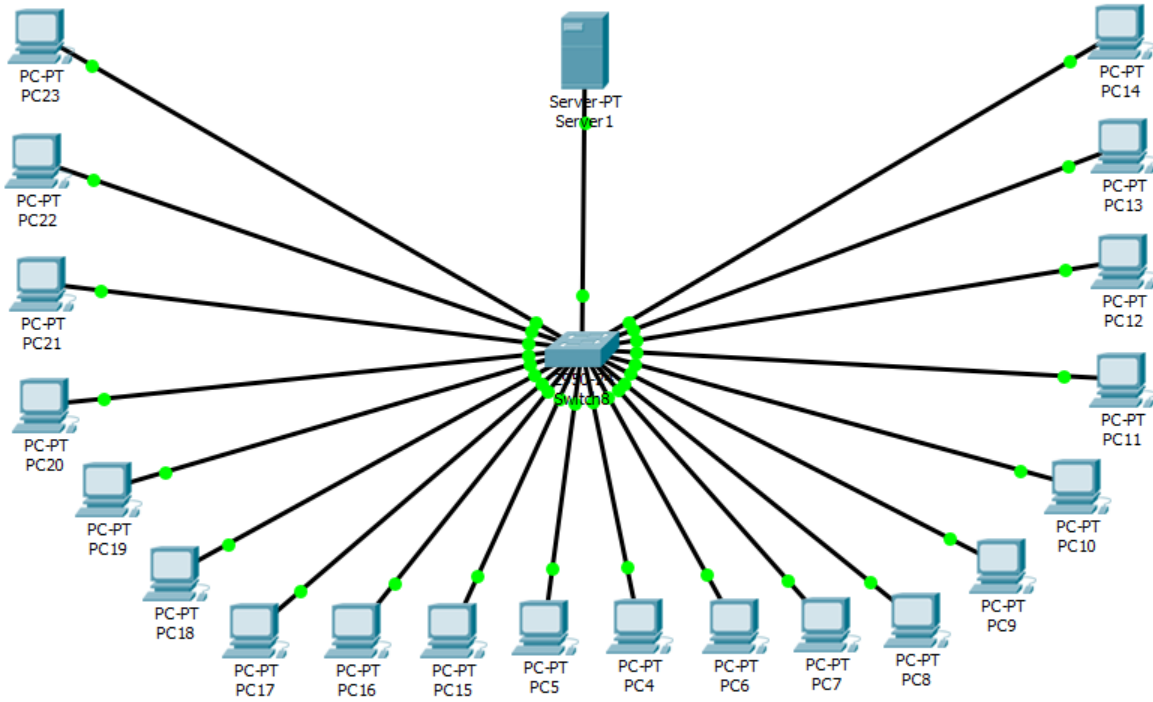


- Melakukan browsing HTTP. Double klik pada PC0, pilih Desktop, pilih Web Browser. Ketikkan IP address 192.168.123.1 di field url

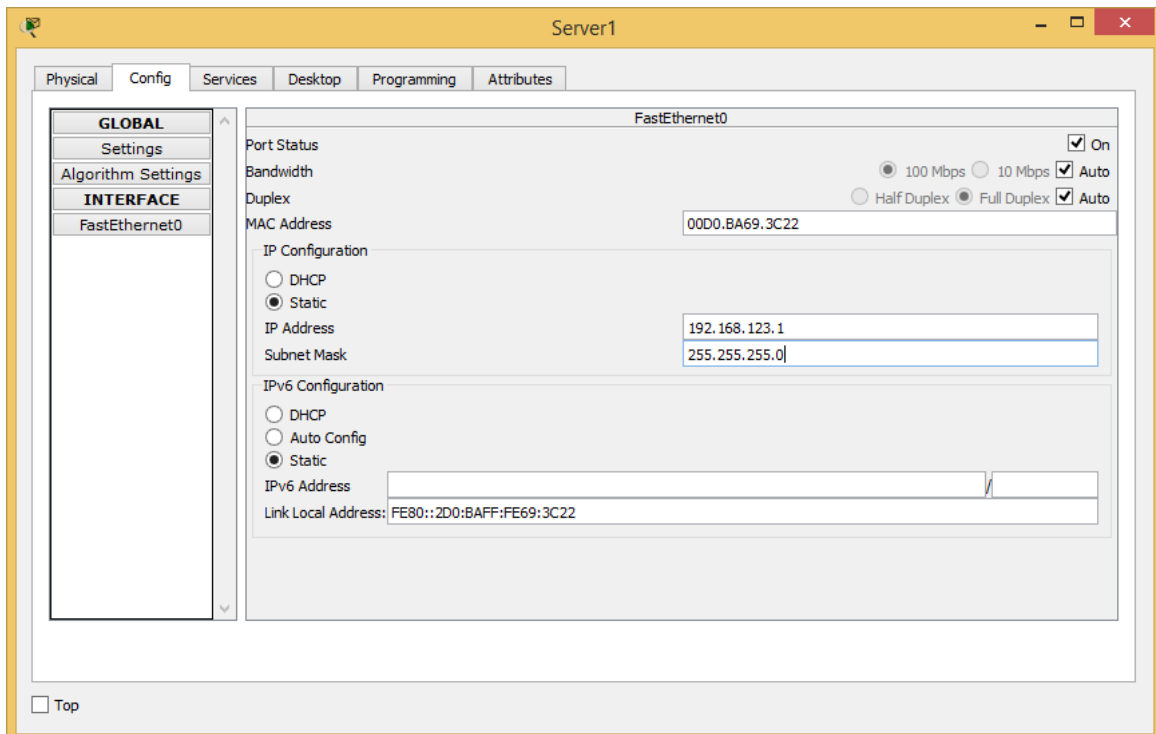


# TUGAS

## 1. Membuat DHCP server dengan client terdiri dari 20 PC



### ➤ Atur IP config Server



- Pada menu servis klik DHCP dan klik On. Isi start IP address dengan 192.168.123.30 dan maximum number of users 31.

The screenshot shows the 'Server1' configuration window with the 'Services' tab selected. On the left, a list of services includes HTTP, DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL, FTP, IoT, and VM Management. The 'DHCP' service is selected and set to 'On'. The configuration fields are as follows:

- 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, 30
- Subnet Mask: 255, 255, 255, 0
- Maximum Number of Users: 31
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

Buttons 'Add', 'Save', and 'Remove' are visible. Below the configuration fields is a table showing the configured pool:

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	192.168.123...	255.255.255.0	31	0.0.0.0	0.0.0.0

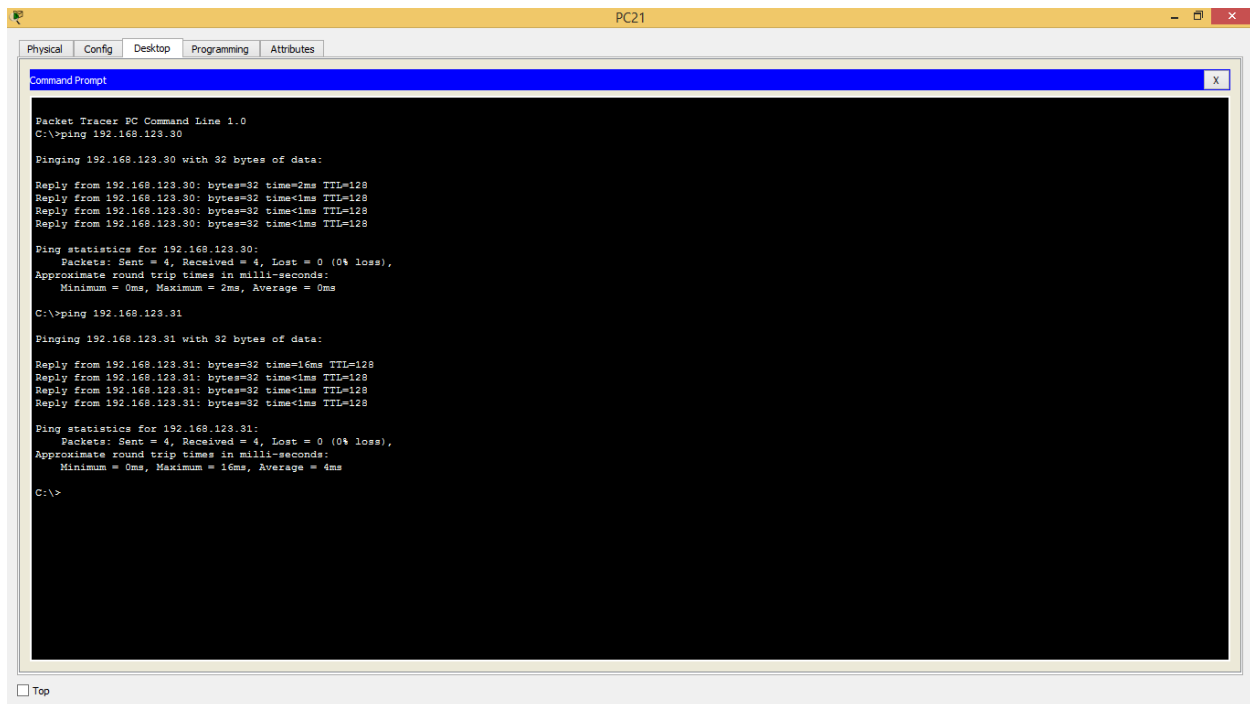
- Pada sisi client pastikan pilihan radio button pada pilihan DHCP.

The screenshot shows the 'PC21' configuration window with the 'Config' tab selected. The 'IP Configuration' dialog is open, showing the following settings:

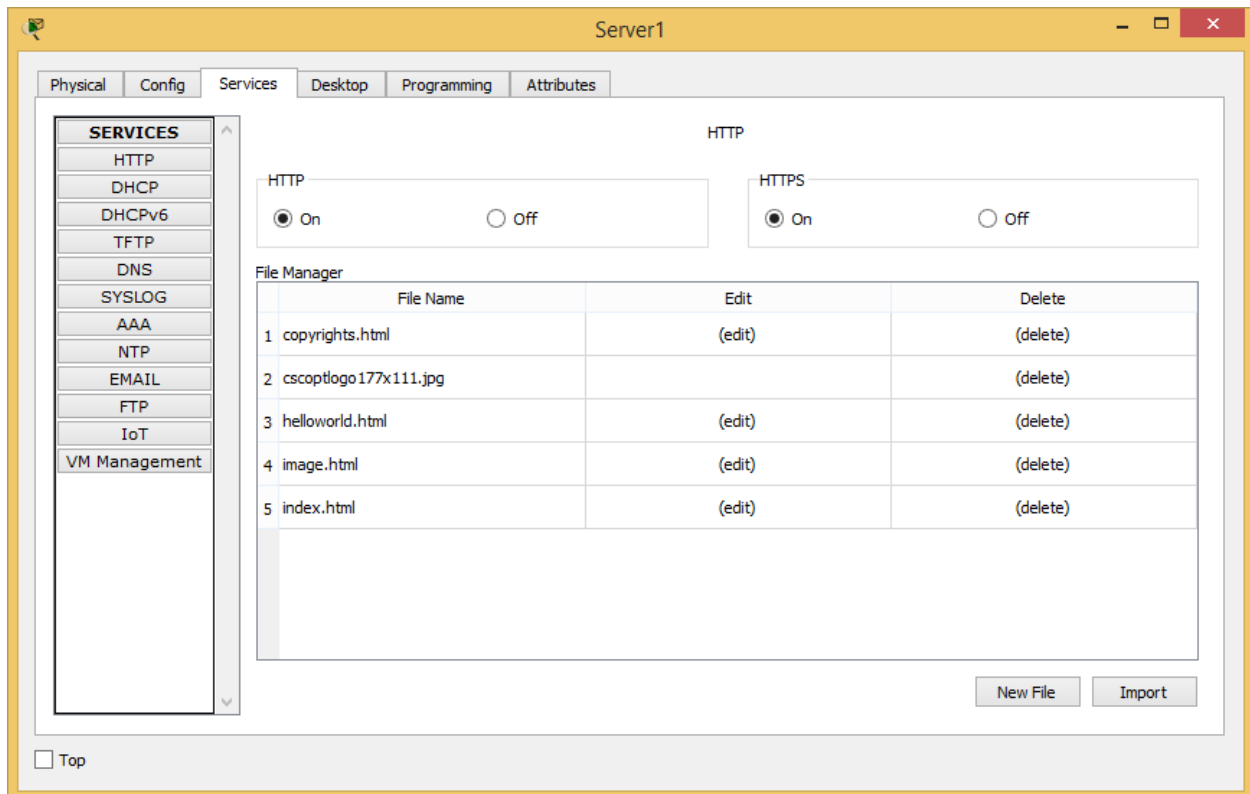
- IP Configuration: ☒ DHCP, ☐ Static
- IP Address: 192.168.123.33
- Subnet Mask: 255.255.255.0
- Default Gateway: 0.0.0.0
- DNS Server: 0.0.0.0
- IPv6 Configuration: ☐ DHCP, ☐ Auto Config, ☒ Static
- IPv6 Address: [Empty field] / [Empty field]
- Link Local Address: FE80::2D0:58FF:FE06:661C
- IPv6 Gateway: [Empty field]
- IPv6 DNS Server: [Empty field]

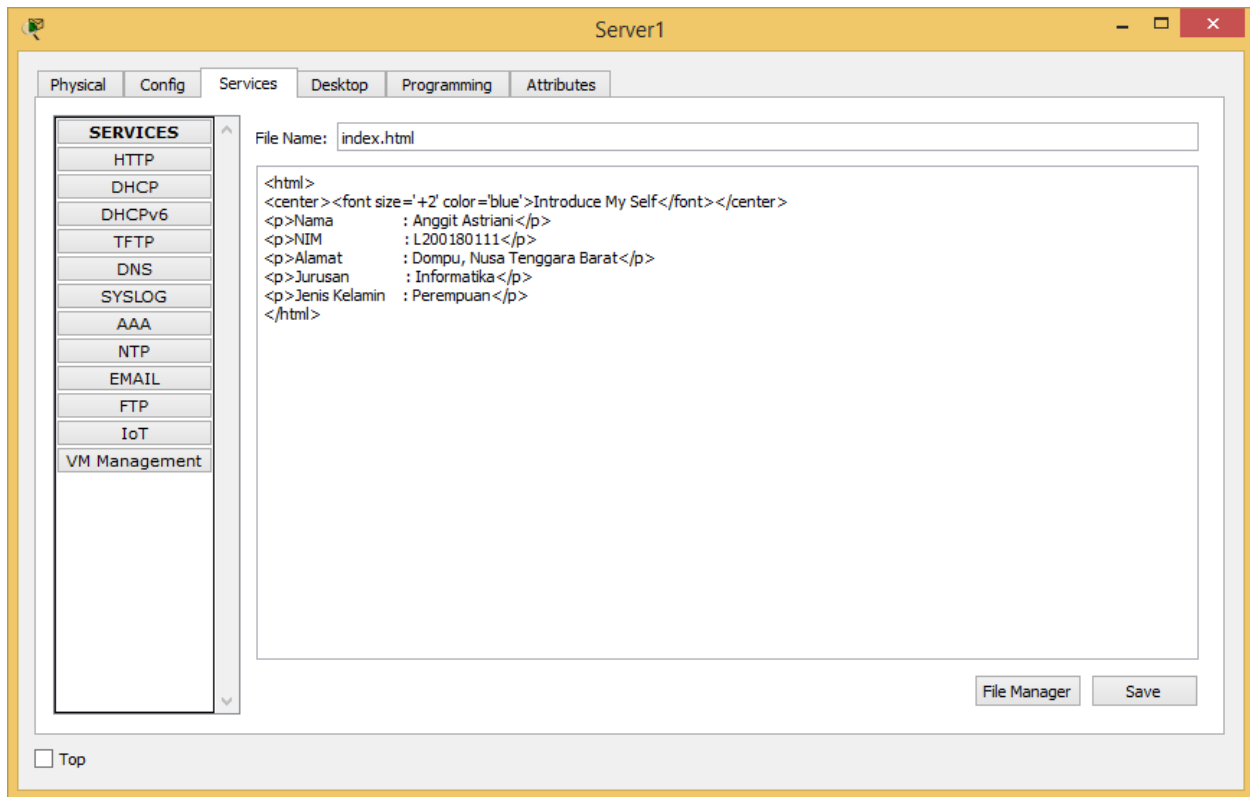


- Setelah selesai konfigurasi, lakukan ping pada PC.



## 2. Membuat web server dengan mengubah tampilan pada web tersebut





➤ Tampilan :

