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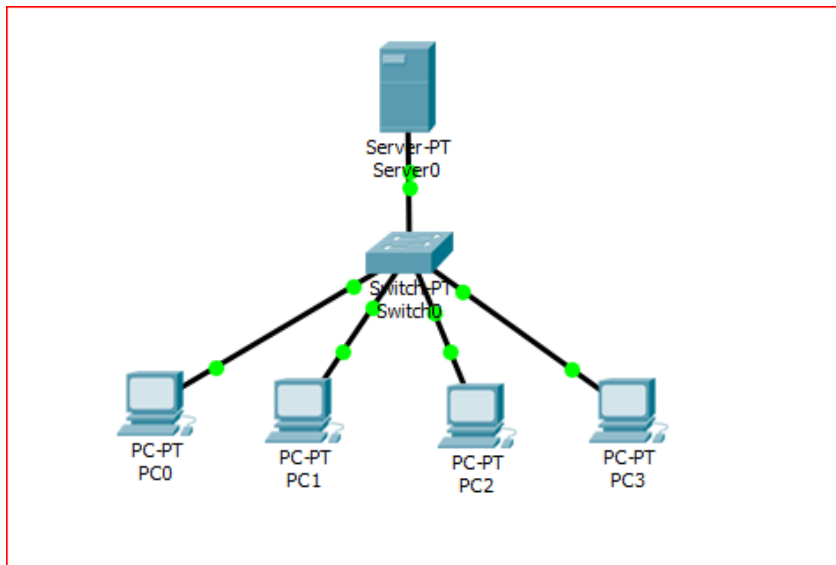
## MODUL 5

### DHCP SERVER DAN WEB SERVER

#### Kegiatan Praktikum.

##### 1. Praktikum membuat DHCP SERVER

Menggunakan 5 buah workstation, 1 switch, dan 1 server



##### a. Konfigurasi Fast-Ethernet pada server

Server0

Physical Config Services Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

FastEthernet0

Port Status ☒ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0030.A3C3.600D

IP Configuration

☐ DHCP

☒ Static

IP Address 192.168.123.1

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Address

Link Local Address: FE80::230:A3FF:FEC3:600D

☐ Top

b. Pastikan service DHCP On

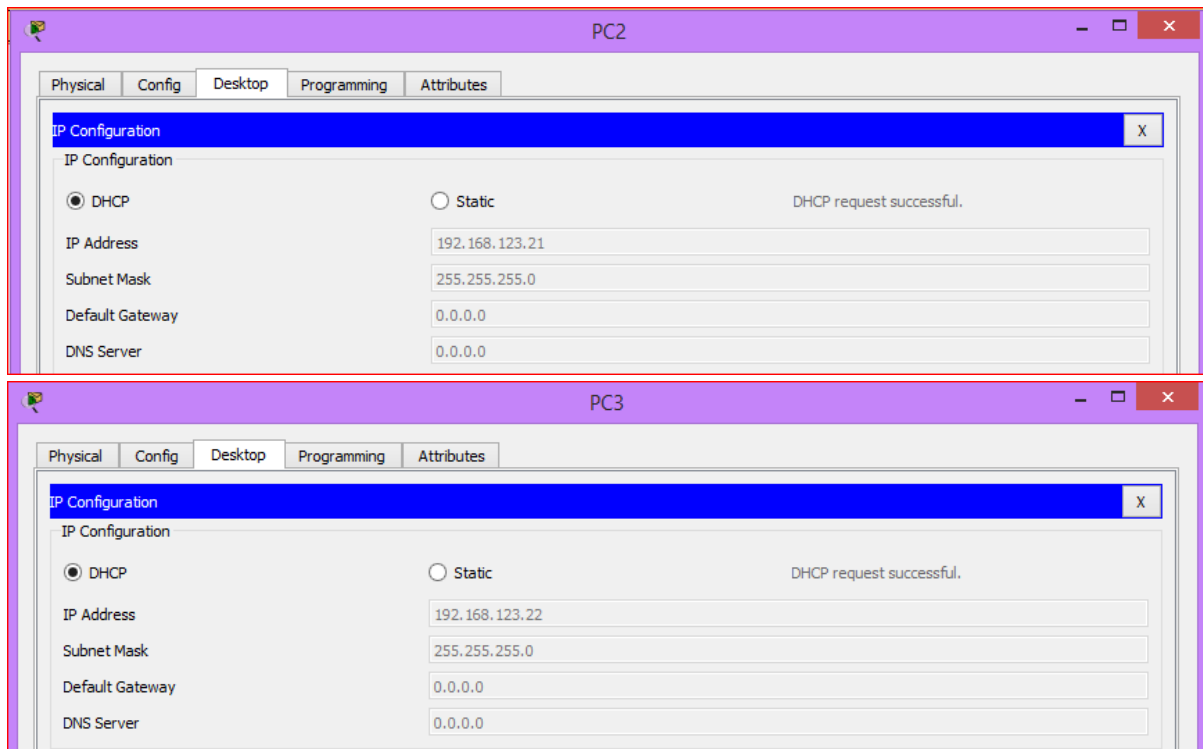
The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. The 'DHCP' service is configured for the 'FastEthernet0' interface and is turned 'On'. The configuration includes a pool named 'serverPool' with a default gateway of 0.0.0.0, a DNS server of 0.0.0.0, and a start IP address of 192.168.123.19 with a subnet mask of 255.255.255.0. The maximum number of users is set to 5. The TFTP server and WLC address are both 0.0.0.0. A table at the bottom lists 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	192.168.123.19	255.255.255.0	5	0.0.0.0	0.0.0.0

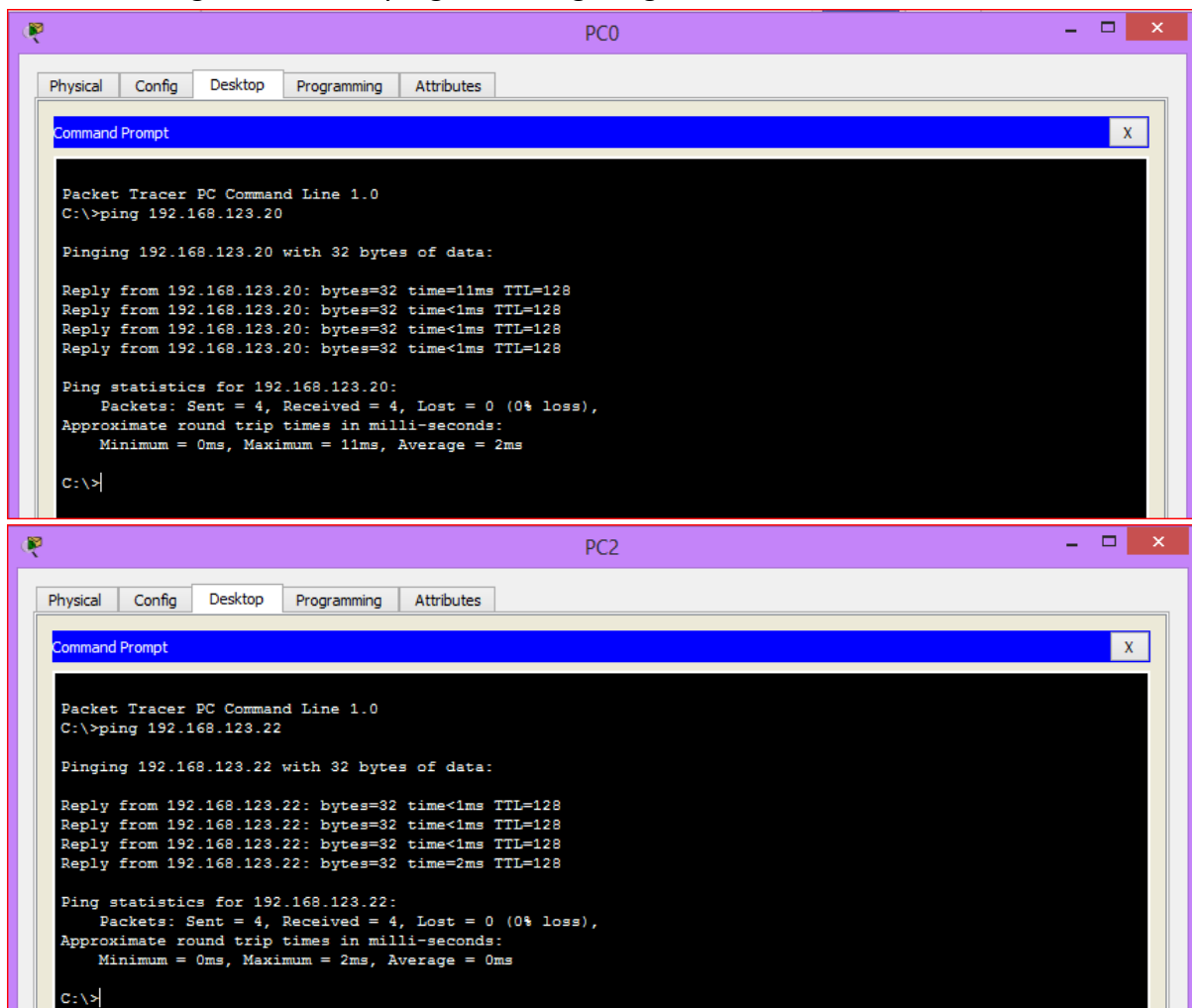
c. Konfigurasi IP Address pada setiap PC pada mode DHCP

The screenshots show the 'IP Configuration' windows for 'PC0' and 'PC1'. Both windows show the 'DHCP' radio button selected, indicating that the devices are configured to obtain IP addresses automatically. The status message 'DHCP request successful.' is displayed in both windows. The IP addresses assigned to PC0 and PC1 are 192.168.123.19 and 192.168.123.20, respectively, with a subnet mask of 255.255.255.0 and a default gateway of 0.0.0.0.

Device	IP Address	Subnet Mask	Default Gateway	DNS Server
PC0	192.168.123.19	255.255.255.0	0.0.0.0	0.0.0.0
PC1	192.168.123.20	255.255.255.0	0.0.0.0	0.0.0.0

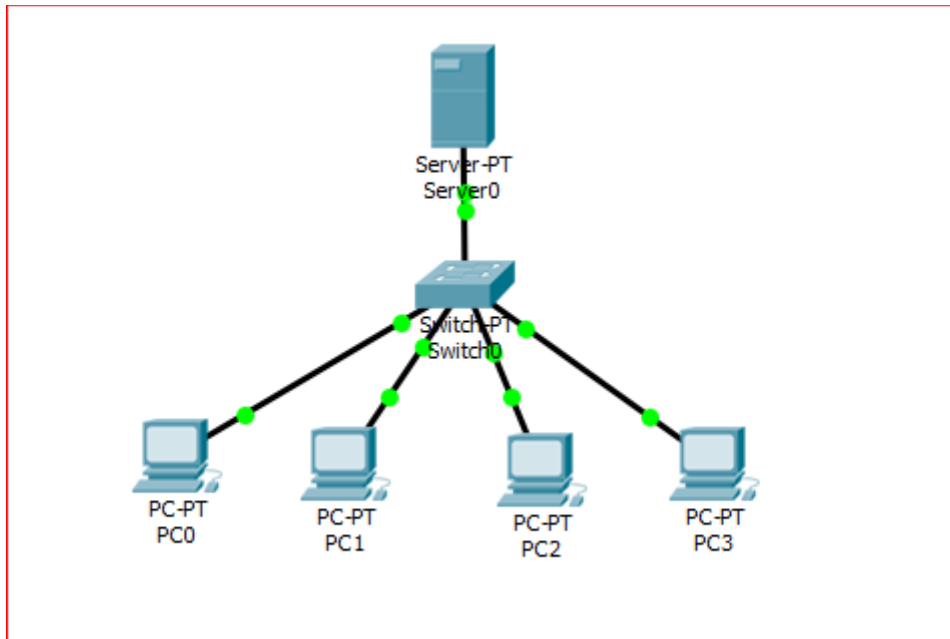


d. Ping ke semua PC yang terhubung dengan server DHCP



## 2. Praktikum membuat WEB SERVER

### a. Desain topologi



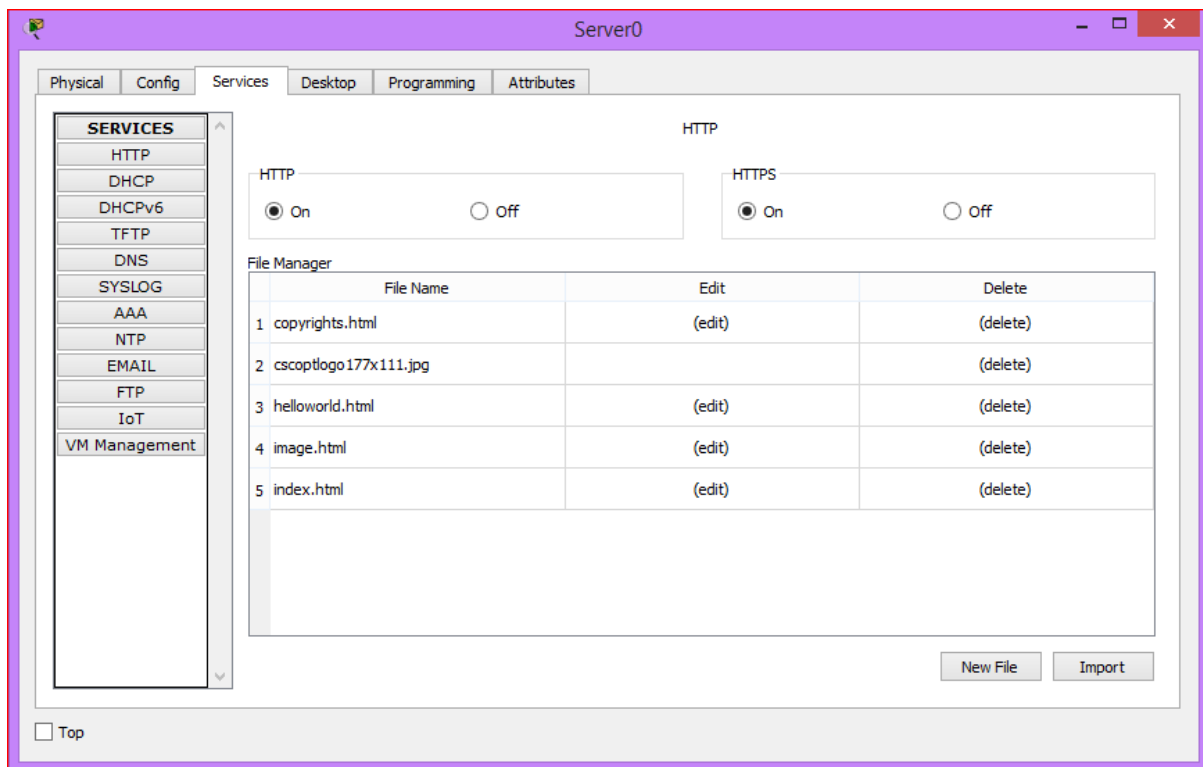
### b. Konfigurasi Fast-Ethernet pada server

The screenshot shows the configuration window for "Server0". The "Config" tab is selected, and the "FastEthernet0" interface is chosen under the "INTERFACE" section. The configuration details are as follows:

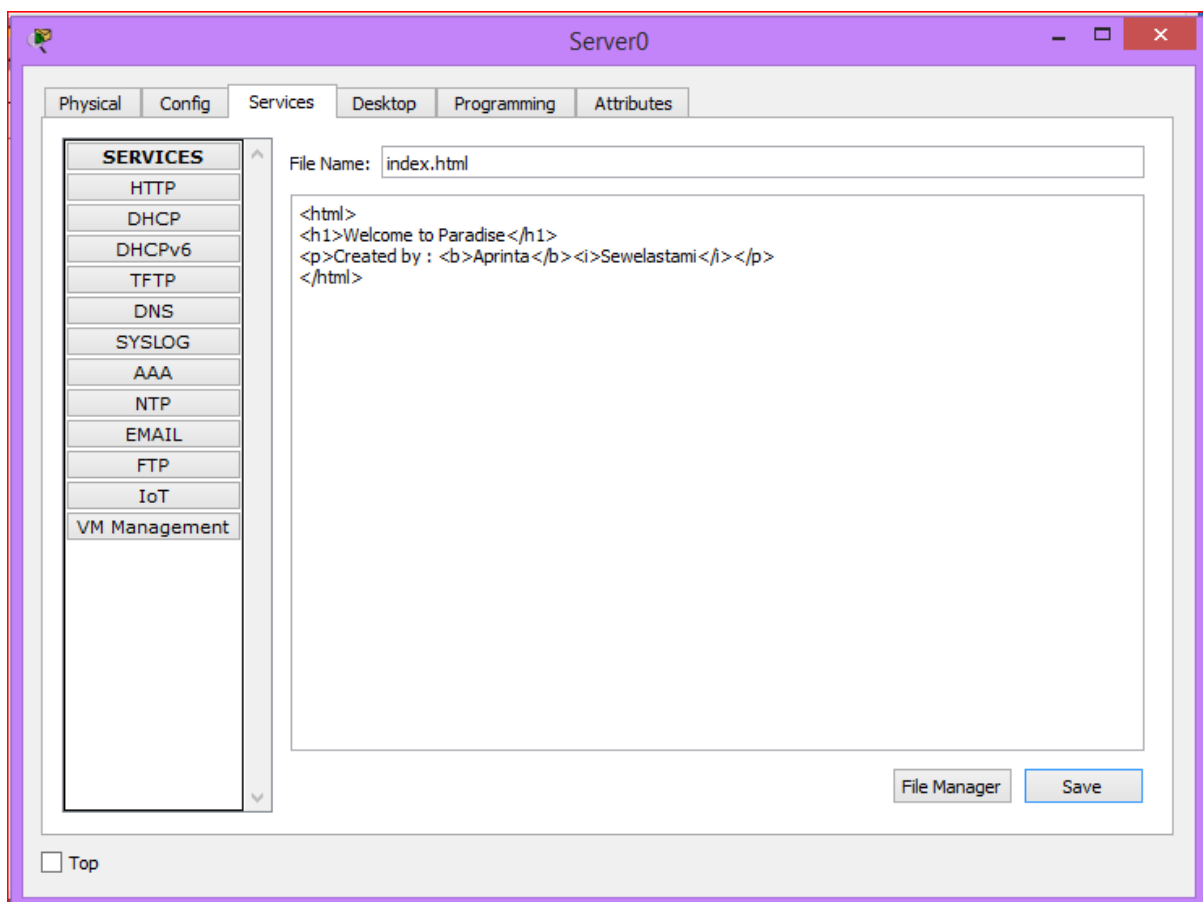
- Port Status:** ☒ On
- Bandwidth:** 100 Mbps (selected), 10 Mbps, ☒ Auto
- Duplex:** Half Duplex, Full Duplex (selected), ☒ Auto
- MAC Address:** 0030.A3C3.600D
- IP Configuration:**
  - ☐ DHCP
  - ☒ Static
  - IP Address:** 192.168.123.1
  - Subnet Mask:** 255.255.255.0
- IPv6 Configuration:**
  - ☐ DHCP
  - ☐ Auto Config
  - ☒ Static
  - IPv6 Address:** [Empty field]
  - Link Local Address:** FE80::230:A3FF:FEC3:600D

At the bottom left, there is a "Top" button.

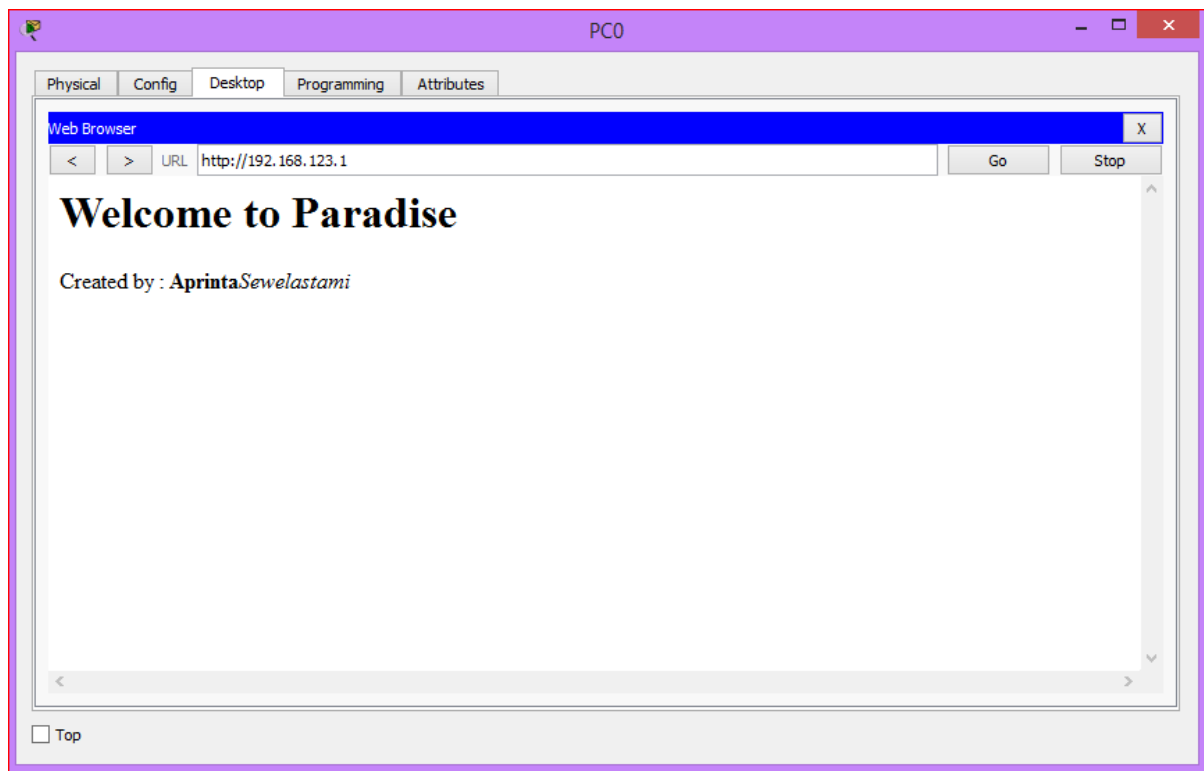
c. Pastikan service HTTP pada pilihan On



d. Edit isi dari index.html

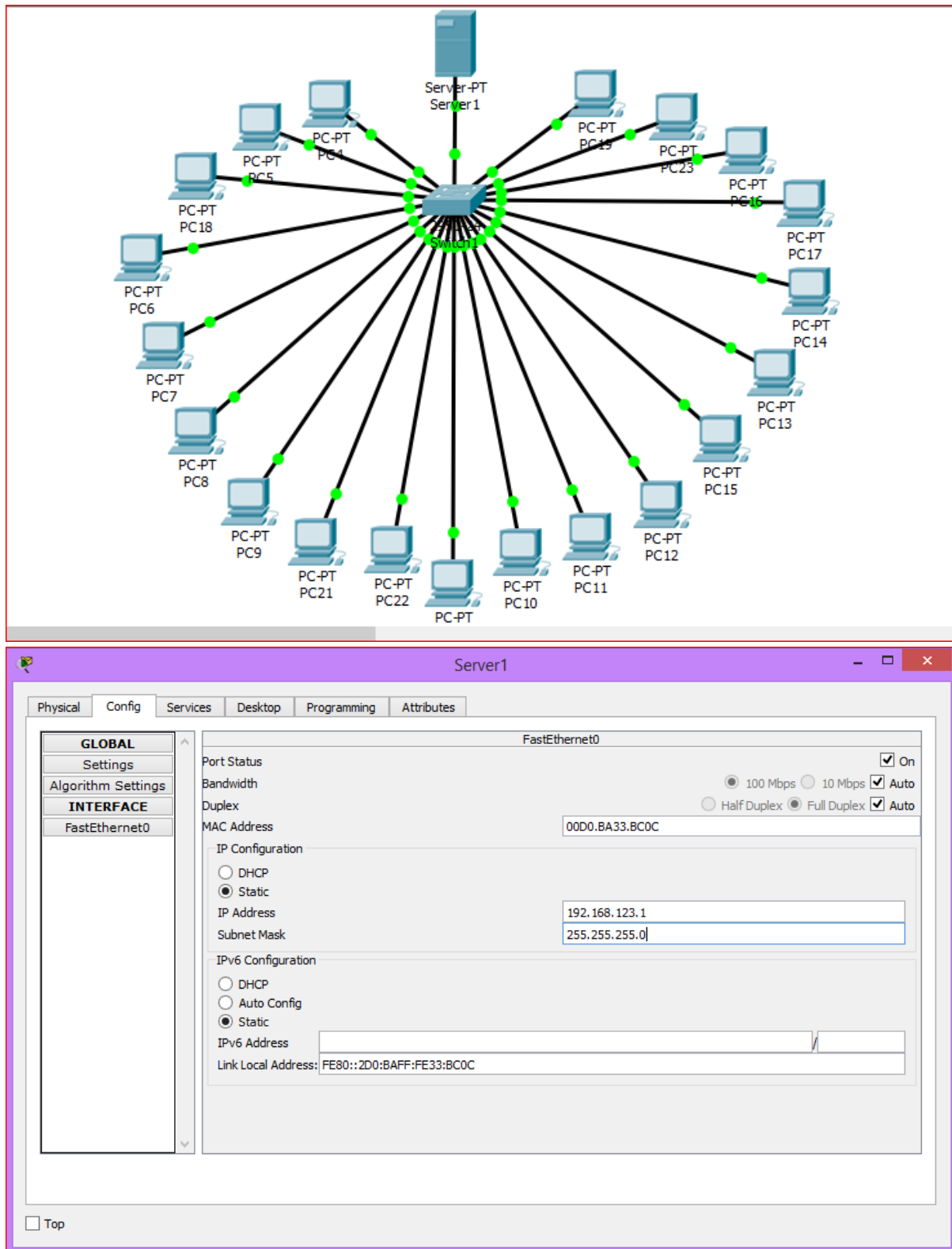


e. Melakukan Browsin



## TUGAS

1. Buatlah DHCP Server dengan packet tracer dengan client terdiri dari 20 pc



2. Buatlah web server pada packet tracer. Dengan mengubah tampilan pada web tersebut. Dengan isi :
- Nama
  - NIM
  - Alamat
  - Jurusan
  - Jenis
  - Jenis Kelamin

