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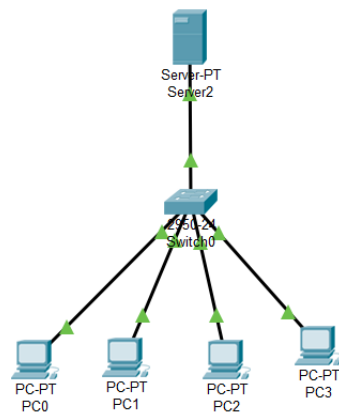
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## Laporan Kegiatan Praktikum Jaringan Komputer

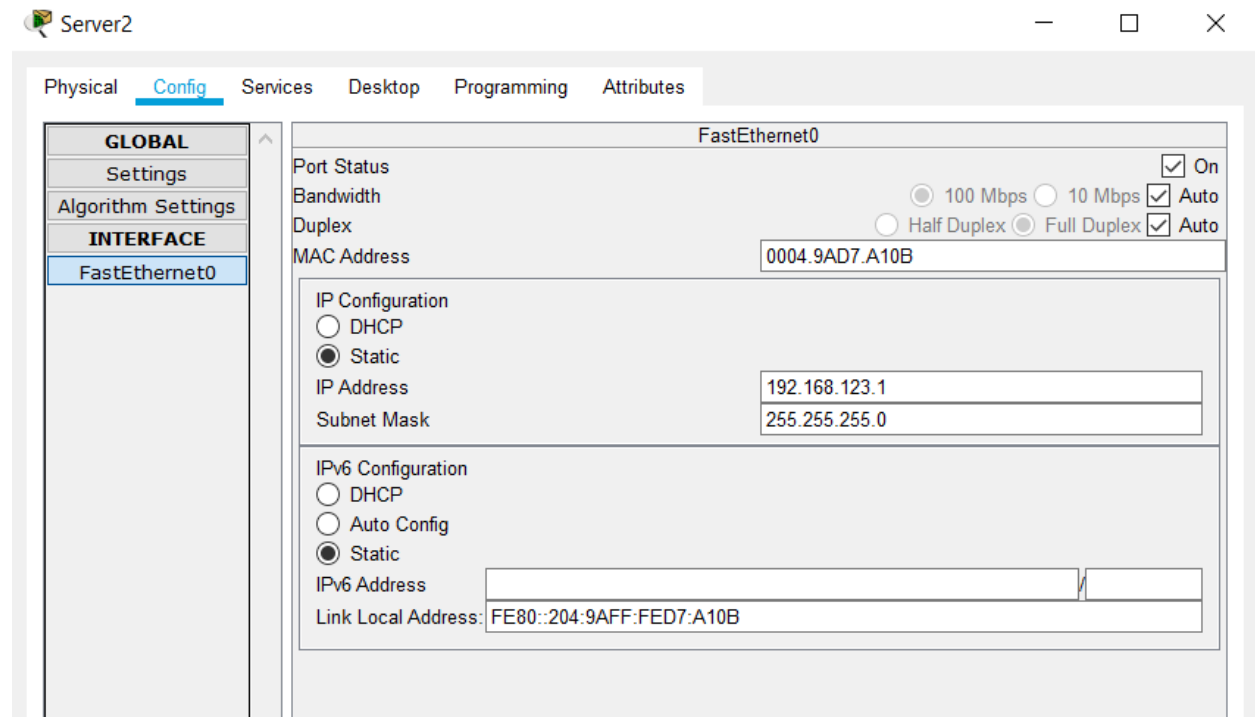
### Modul 5

#### Praktikum 1 Membuat DHCP server

##### 1. Topologi jaringan



##### 2. Mengatur IP Adres dan subnet mask pada server



3. Mengaktifkan dan mengatur konfigurasi DHCP server. Mengubah start IP addrees : 192.168.123.19 dan jumlah maksimal user : 5

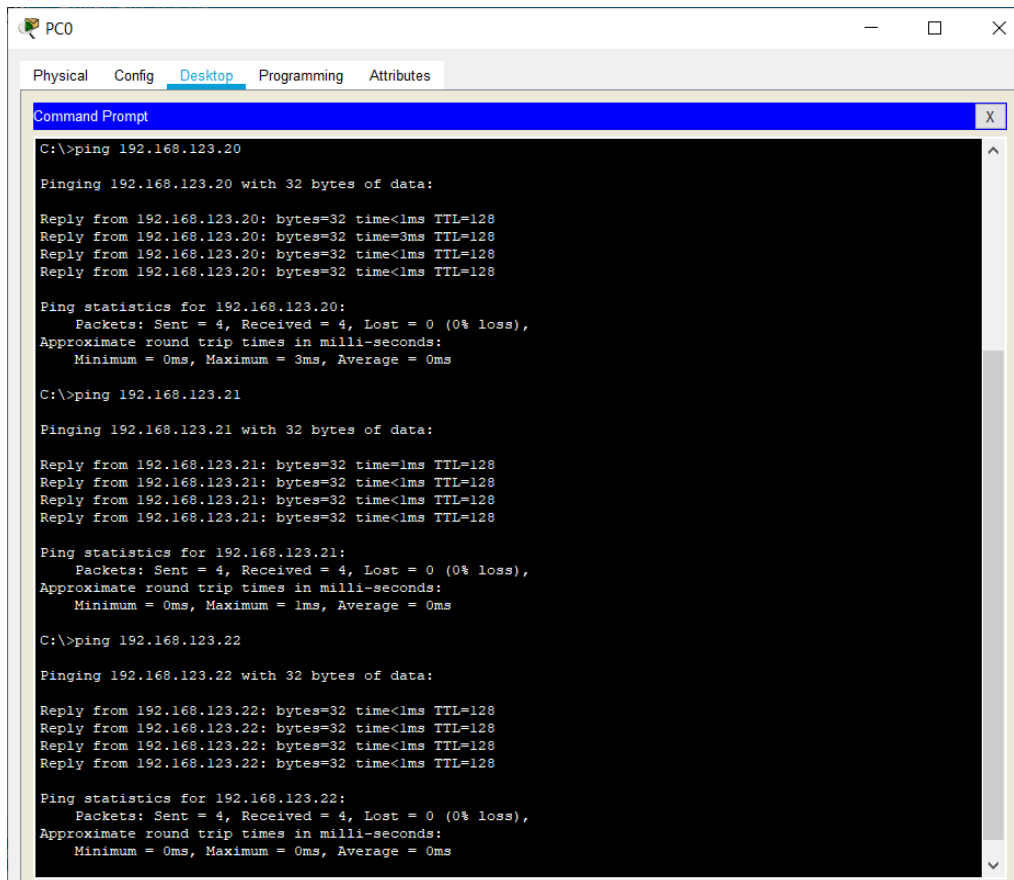
The screenshot shows the 'Server2' configuration window with the 'Services' tab selected. The 'DHCP' service is highlighted in the left sidebar. The main area displays the DHCP configuration for the 'FastEthernet0' interface. The 'Service' is set to 'On'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' is '0.0.0.0'. The 'DNS Server' is '0.0.0.0'. The 'Start IP Address' is '192.168.123.19'. The 'Subnet Mask' is '255.255.255.0'. The 'Maximum Number of Users' is '5'. The 'TFTP Server' is '0.0.0.0'. The 'WLC Address' is '0.0.0.0'. Below the configuration fields are buttons for 'Add', 'Save', and 'Remove'. At the bottom, a table lists the configured DHCP 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	192.168.1...	255.255.2...	5	0.0.0.0	0.0.0.0

4. Mengatur IP address pada PC0, PC1, PC2, PC3. Dengan cara klik PC lalu pilih IP Configuration lalu pilih radio button DHCP

The screenshot shows four PC configuration windows (PC0, PC1, PC2, PC3) with the 'Desktop' tab selected. Each window displays the 'IP Configuration' settings for the 'FastEthernet0' interface. The 'DHCP' radio button is selected for all four PCs. The 'IP Address' is '192.168.123.19' for PC0, '192.168.123.20' for PC1, '192.168.123.21' for PC2, and '192.168.123.22' for PC3. The 'Subnet Mask' is '255.255.255.0' for all PCs. The 'Default Gateway' is '0.0.0.0' and the 'DNS Server' is '0.0.0.0' for all PCs. The 'IPv6 Configuration' section shows 'Static' selected for all PCs.

## 5. Melakukan ping ke semua PC yang terhubung dengan server DHCP



The screenshot shows a window titled "PC0" with tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Desktop" tab is active, displaying a "Command Prompt" window. The Command Prompt shows the execution of three ping commands to different IP addresses, each with four successful replies and a 0% loss rate.

```
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=3ms 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 = 3ms, 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

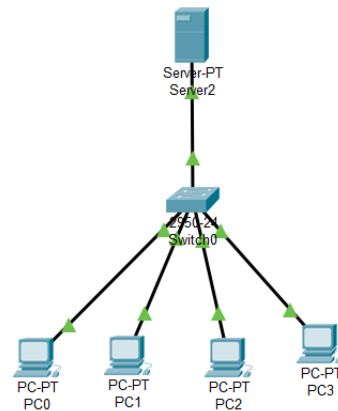
Pinging 192.168.123.22 with 32 bytes of data:

Reply from 192.168.123.22: bytes=32 time<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

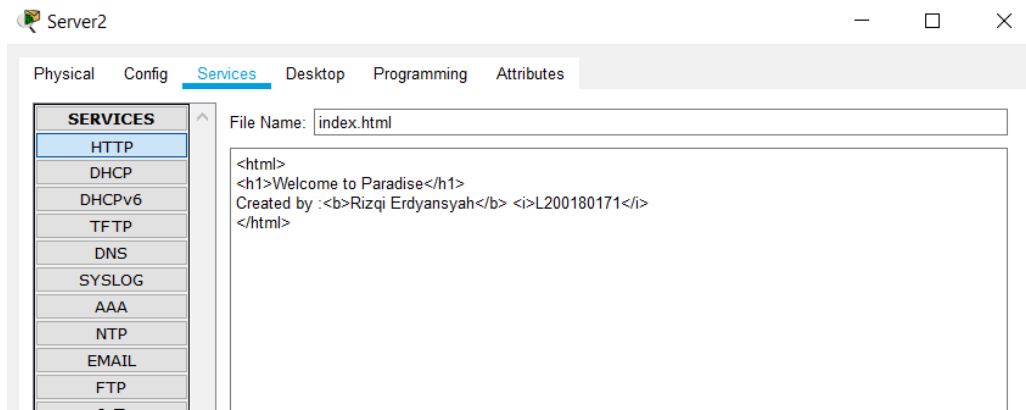
Ping statistics for 192.168.123.22:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

## Praktikum 2 Membuat Web server

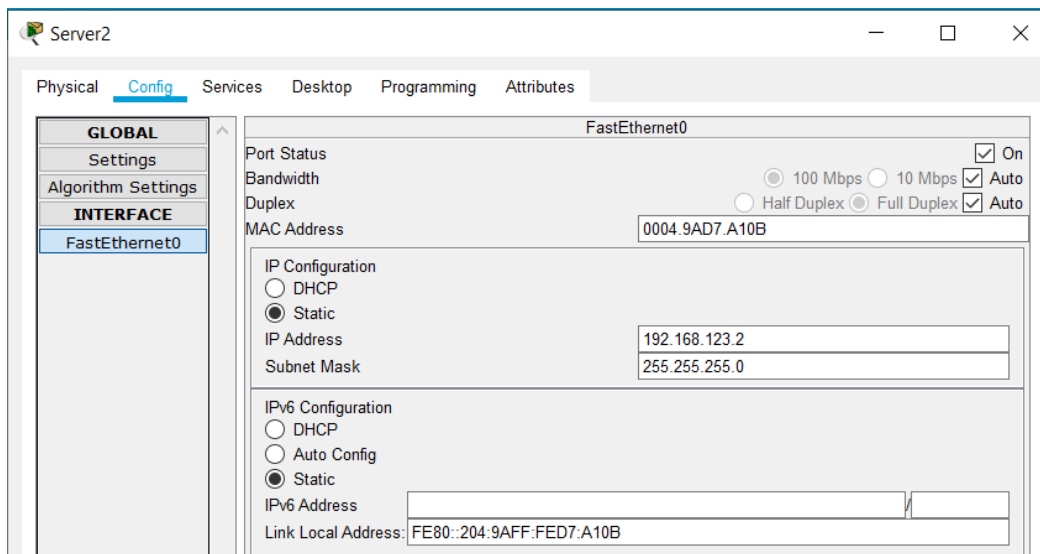
### 1. Topologi jaringan



### 2. Masuk server pilih HTTP lalu edit index.html seperti pada digambar bawah ini



### 3. Mengatur IP Adres dan subnet mask pada server



4. Mengaktifkan dan mengatur konfigurasi DHCP server. Mengubah start IP addrees : 192.168.123.24 dan jumlah maksimal user : 5

The screenshot shows the 'Services' tab in the Server2 configuration window. The 'DHCP' service is selected in the left sidebar. The main area shows the configuration for the 'FastEthernet0' interface. The 'Service' is 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 '192.168.123.24'. The 'Subnet Mask' is '255.255.255.0'. The 'Maximum Number of Users' is '5'. The 'TFTP Server' is '0.0.0.0'. The 'WLC Address' is '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	192.168.1...	255.255.2...	5	0.0.0.0	0.0.0.0

5. Mengatur IP address pada PC0, PC1, PC2, PC3. Dengan cara klik PC lalu pilih IP Configuration lalu pilih radio button DHCP

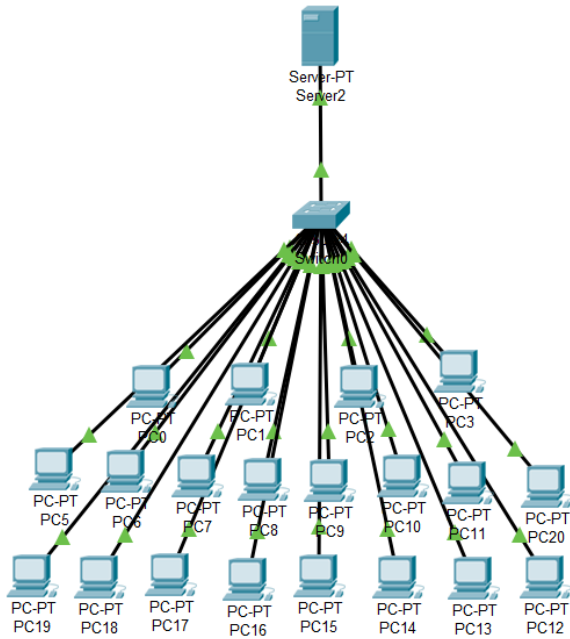
The screenshots show the 'IP Configuration' windows for four PCs. Each window has a 'Physical' tab and a 'Config' tab. The 'Config' tab is selected, and the 'IP Configuration' section is expanded. The 'DHCP' radio button is selected for each PC. The 'IP Address' field is populated with the address assigned by the DHCP server. The 'Subnet Mask' is '255.255.255.0'. The 'Default Gateway' is '0.0.0.0'. The 'DNS Server' is '0.0.0.0'. The 'IPv6 Configuration' section is also visible, with the 'Static' radio button selected. The 'Link Local Address' is 'FE80::201:96...'. The 'IPv6 Gateway' is 'FE80::20C:85FF:FE...'. The 'IPv6 DNS Server' is 'FE80::203:E4FF:FE08:B731'.

6. Pada PC0 pilih Web Browser ketikkan IP Address server hhttp://192.168.123.2 pada field url

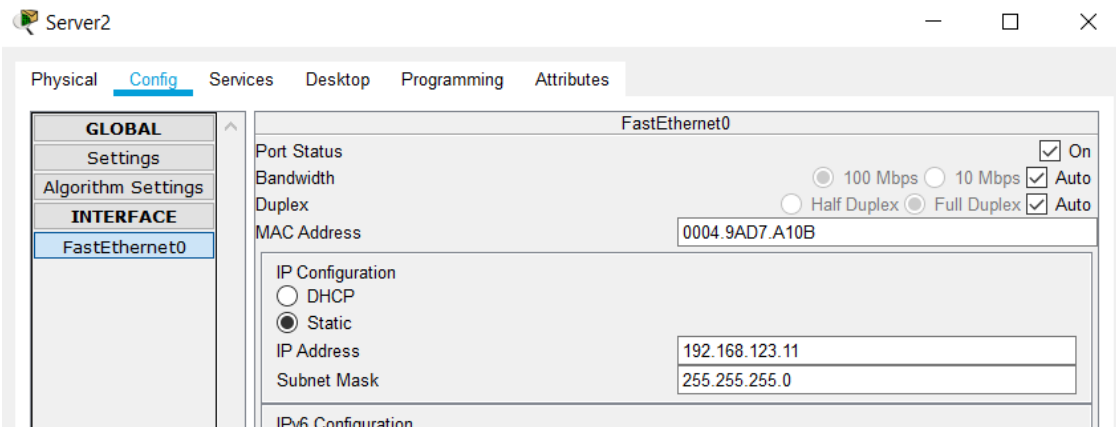


## Tugas Praktikum Modul 5

### 1. Topologi jaringan



### 2. Mengatur IP Adres dan subnet mask pada server



3. Mengaktifkan dan mengatur konfigurasi DHCP server. Mengubah start IP addrees : 192.168.123.20 dan jumlah maksimal user : 20

The screenshot shows the 'Server2' configuration window with the 'Services' tab selected. On the left, a list of services includes HTTP, DHCP (highlighted), DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, and Radius EAP. The main area is titled 'DHCP' and contains the following configuration fields:

- 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, 20
- Subnet Mask: 255, 255, 255, 0
- Maximum Number of Users: 20
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

Below these fields are 'Add', 'Save', and 'Remove' buttons. A table at the bottom displays the current 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	192.168.1...	255.255.2...	20	0.0.0.0	0.0.0.0

4. Masuk server pilih HTTP lalu edit index.html seperti pada digambar bawah ini

The screenshot shows the 'Server2' configuration window with the 'Services' tab selected. On the left, a list of services includes HTTP (highlighted), DHCP, DHCPv6, TFTP, DNS, SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, and Radius EAP. The main area is titled 'File Name: index.html' and contains the following HTML code:

```
<html>
<h1>Welcome to Paradise</h1>
Created by :<b>Rizqi Erdyansyah</b> <i>L200180171</i><br>
Nama : Muhammad Rizqi Erdyansyah<br>
NIM : L200180171<br>
Alamat : Surakarta<br>
Jurusan : Informatika<br>
Jenis : Regular<br>
Jenis Kelamin : Laki-Laki<br>
</html>
```



5. Pada PC0 pilih Web Browser ketikkan IP Address server http://192.168.123.11 pada field url

