

**LAPORAN PRAKTIKUM JARINGAN KOMPUTER**  
**MODUL 10**  
**“DNS SERVER”**



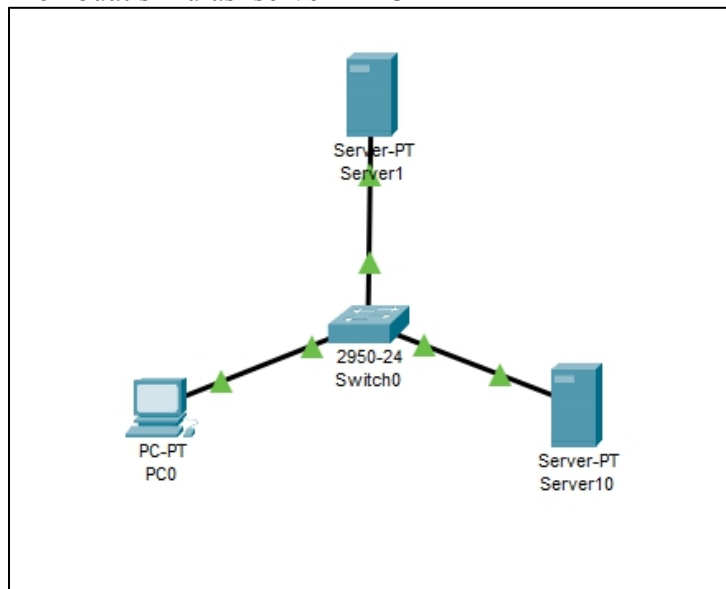
**Oleh:**

**NAMA : Daffa Putra Alwansyah**  
**NIM : L200190031**  
**KELAS : A**  
**PRODI : INFORMATIKA**

**Fakultas Komunikasi dan Informatika Universitas  
Muhammadiyah Surakarta**

## D. KEGIATAN PRAKTIKUM

Membuat simulasi server DHCP



### 1. Melakukan konfigurasi IP (static)

**Server0**

Physical Config Services **Desktop** Programming

**IP Configuration**

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 192.168.123.1

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

**Server1**

Physical Config Services **Desktop** Programming Attributes

**IP Configuration**

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 192.168.123.2

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

**PC0**

Physical Config **Desktop** Programming Attributes

**IP Configuration**

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

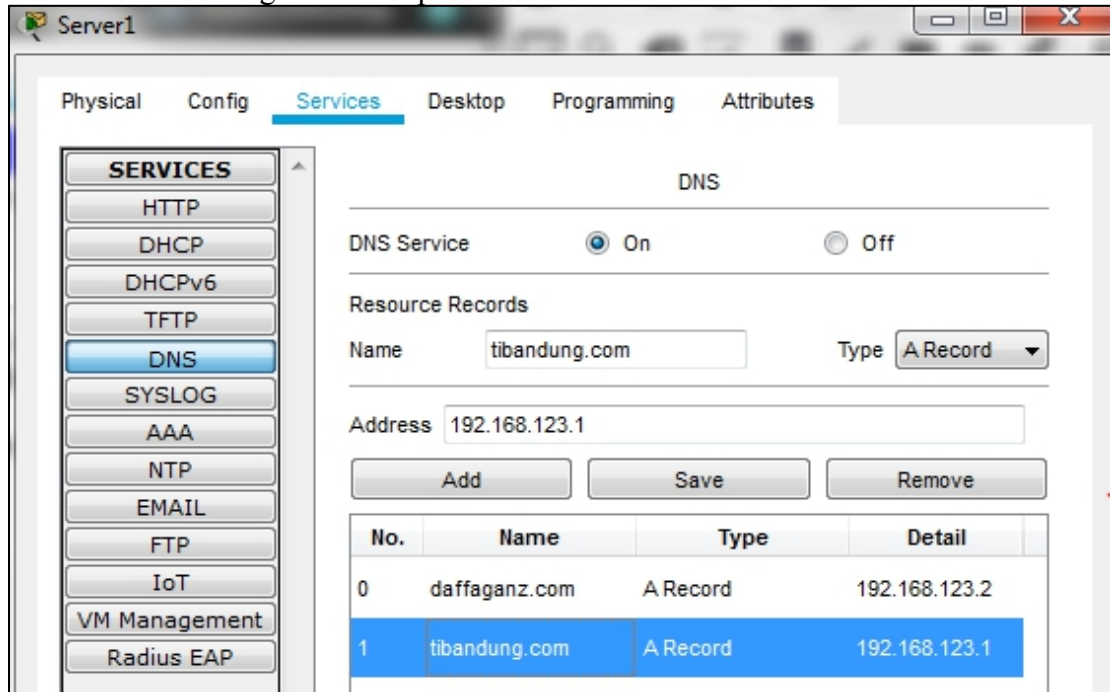
IPv4 Address: 192.168.123.3

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 192.168.123.2

## 2. Melakukan konfigurasi DNS pada Server1

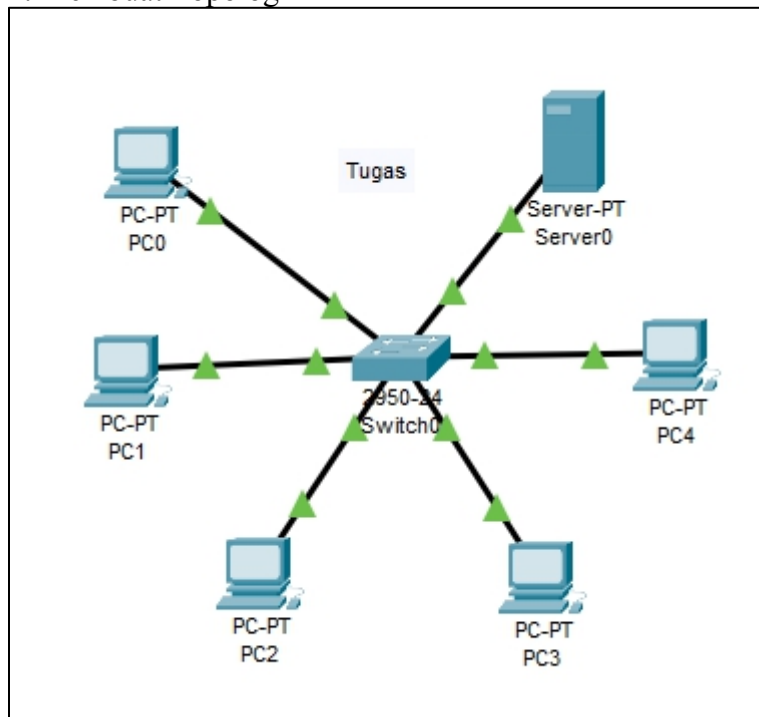


## 3. Melakukan browsing HTTP ke domain



# TUGAS

## 1. Membuat Topologi



## 2. Konfigurasi FastEthernet pada Server0

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.F241.3C32

IP Configuration

☐ DHCP

☒ Static

IPv4 Address 192.168.111.1

Subnet Mask 255.255.255.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

Link Local Address: FE80::230:F2FF:FE41:3C32

### 3. Konfigurasi DHCP pada server0

The screenshot shows the 'Services' tab for 'Server0'. On the left, a 'SERVICES' list has 'DHCP' selected. 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: 192.168.111.1
- Start IP Address: 192, 168, 111, 1
- Subnet Mask: 255, 255, 255, 0
- Maximum Number of Users: 255
- TFTP Server: 0.0.0.0
- WLC Address: 0.0.0.0

Below these fields are 'Add', 'Save', and 'Remove' buttons. At the bottom, a table displays 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	192.168.111.1	192.168.111.1	255.255.255.0	255	0.0.0.0	0.0.0.0

### 4. Konfigurasi HTTP pada server0

The screenshot shows the 'Services' tab for 'Server0'. On the left, a 'SERVICES' list has 'HTTP' selected. The main area is titled 'HTTP' and contains the following configuration fields:

- File Name: index.html

Below the file name field is a text area containing the following HTML code:

```
<html>
<center><font size="+2" color="blue">YB Website</font></center>
<hr>Yang melihat pdf ini, tetaplah menyerah jgn semangat. sudahlah
mending rebahan
<p>Daffa Putra A-:
</html>
```

## 5. Konfigurasi DNS pada server0

The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. In the left sidebar, 'DNS' is highlighted. The main area shows the 'DNS' configuration. The 'DNS Service' is set to 'On'. Under 'Resource Records', there is one record with 'Name' 'daffaganz.com', 'Type' 'A Record', and 'Address' '192.168.111.1'.

**SERVICES**

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

**DNS**

DNS Service ☒ On ☐ Off

Resource Records

Name  Type **A Record**

Address

No.	Name	Type	Detail
0	daffaganz.com	A Record	192.168.111.1

## 6. Konfigurasi IP pada PC

The top screenshot shows the 'PC0' configuration window with the 'Desktop' tab selected. The 'IP Configuration' window is open for 'FastEthernet0'. 'DHCP' is selected, and the 'IPv4 Address' is set to '192.168.111.2'. The 'Subnet Mask' is '255.255.255.0' and the 'Default Gateway' is '0.0.0.0'.

**PC0**

Physical Config **Desktop** Programming Attributes

**IP Configuration** X

Interface **FastEthernet0**

IP Configuration

☒ DHCP ☐ Static

IPv4 Address

Subnet Mask

Default Gateway

The bottom screenshot shows the 'PC1' configuration window with the 'Desktop' tab selected. The 'IP Configuration' window is open for 'FastEthernet0'. 'DHCP' is selected, and the 'IPv4 Address' is set to '192.168.111.3'. The 'Subnet Mask' is '255.255.255.0', the 'Default Gateway' is '0.0.0.0', and the 'DNS Server' is '192.168.111.1'.

**PC1**

Physical Config **Desktop** Programming Attributes

**IP Configuration** X

Interface **FastEthernet0**

IP Configuration

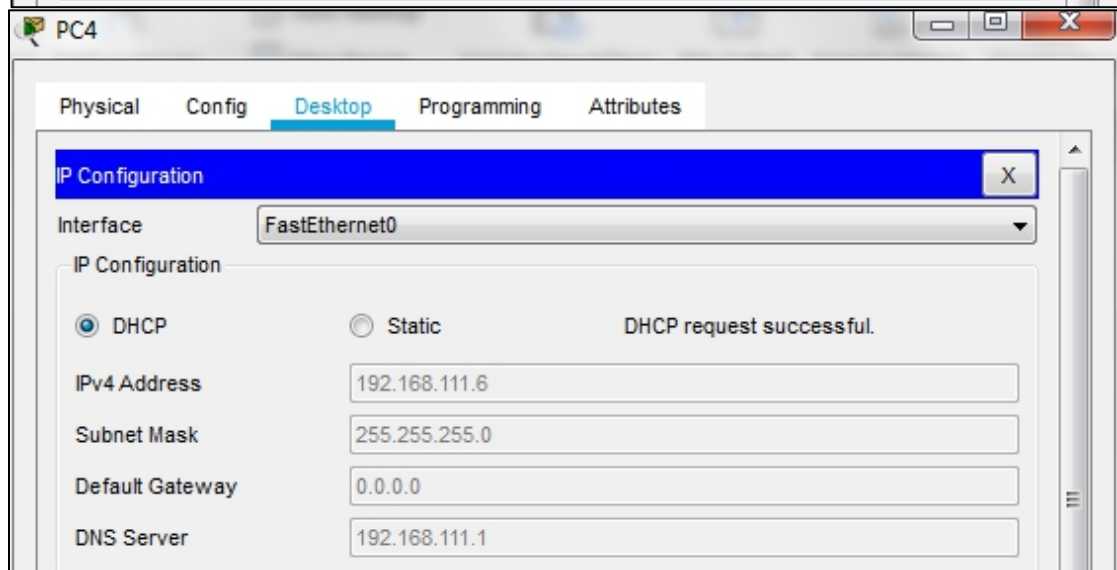
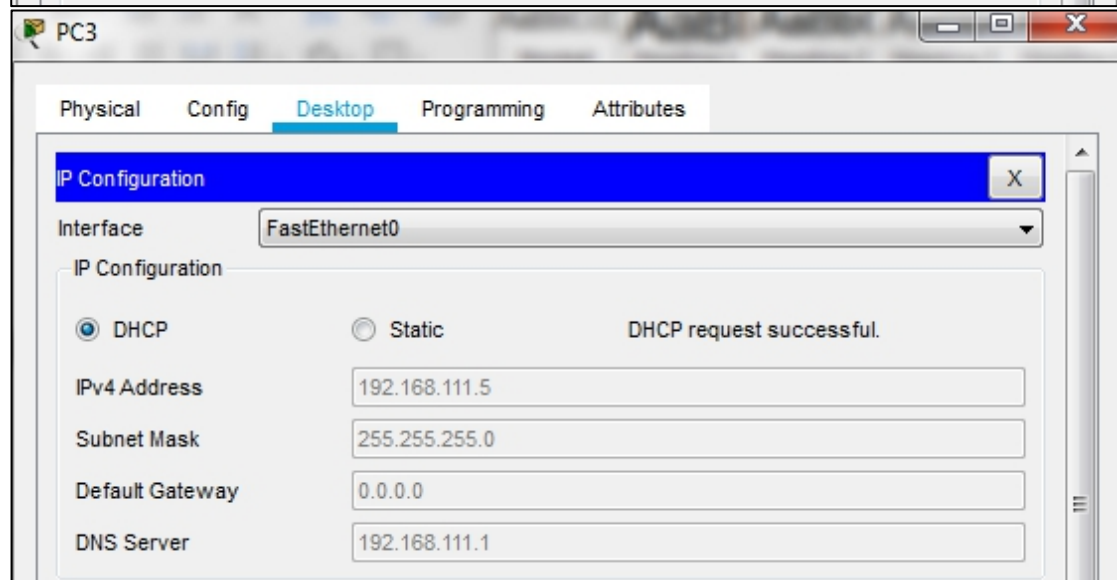
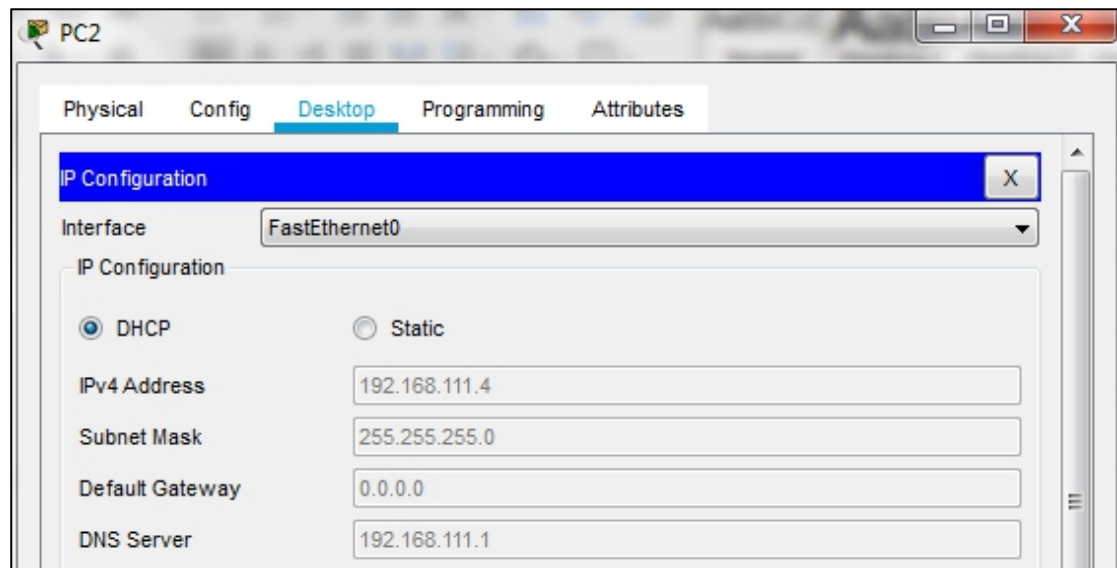
☒ DHCP ☐ Static

IPv4 Address

Subnet Mask

Default Gateway

DNS Server





7. Melakukan browsing HTTP ke domain



8. Melakukan test ping

