

**PRAKTIKUM
JARINGAN KOMPUTER
(computer networking)**

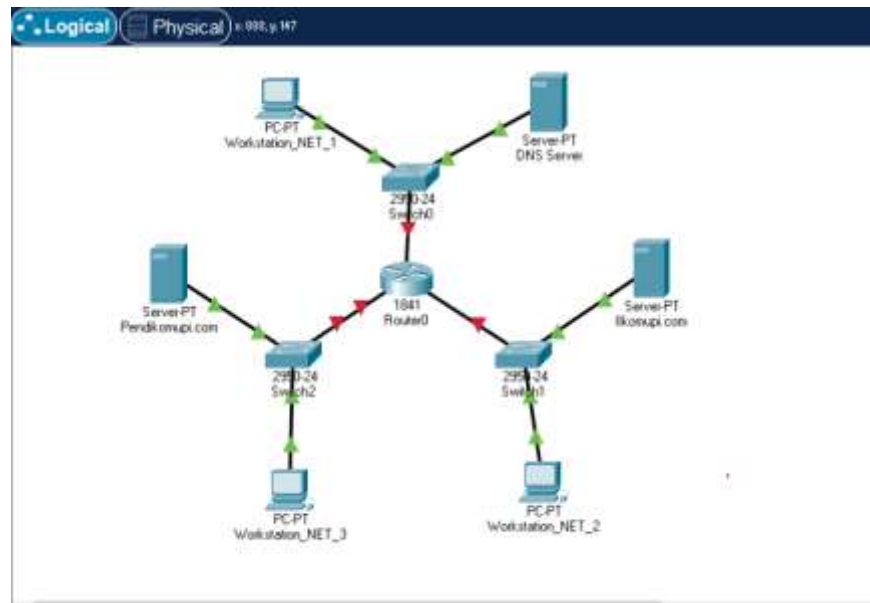
**LAPORAN TUGAS
MODUL 12**



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NIM : L200190151
Kelas : D**

**PROGRAM STUDI INFORMATIKA
FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH
SURAKARTA**

1. Topologi

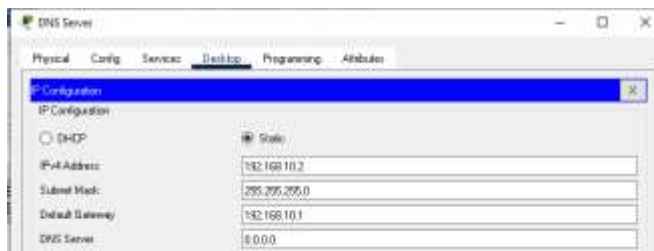


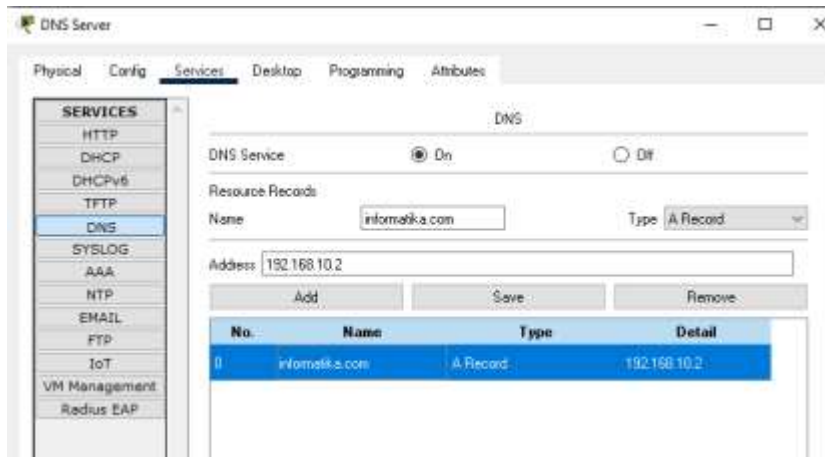
- Pada Router0 menambahkan WIC-1ENET



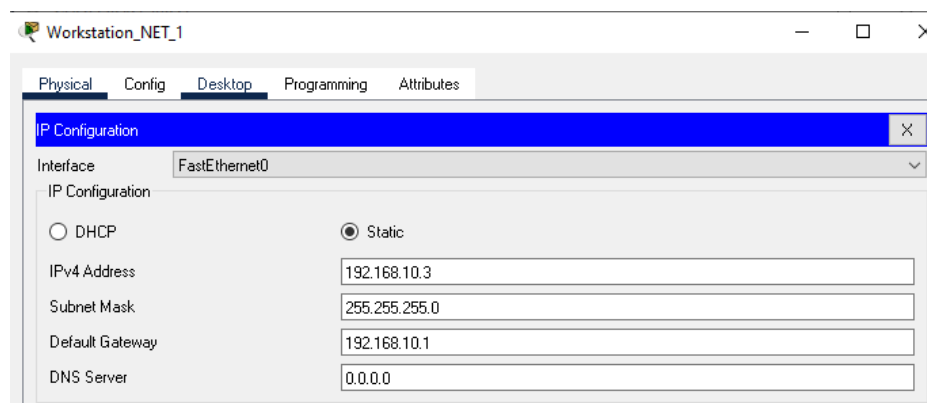
2. Setting Network1 (DNS Server)

a. Konfigurasi DNS server





Konfigurasi PC client_NET1



b. Konfigurasi Router0

The screenshot shows the configuration window for Router0. The 'Config' tab is selected. In the left sidebar, the 'INTERFACE' section is expanded, and 'FastEthernet0/0' is selected. The main area displays the configuration for 'FastEthernet0/0'. The 'Port Status' is checked 'On'. 'Bandwidth' is set to '100 Mbps' and 'Duplex' is set to 'Half Duplex', both with 'Auto' checked. The 'MAC Address' is '00E0.B019.ED01'. The 'IP Configuration' section shows 'IPv4 Address' as '192.168.10.1' and 'Subnet Mask' as '255.255.255.0'. The 'Tx Ring Limit' is set to '10'.

Parameter	Value
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input checked="" type="radio"/> Half Duplex <input type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	00E0.B019.ED01
IPv4 Address	192.168.10.1
Subnet Mask	255.255.255.0
Tx Ring Limit	10

3. Setting Network2 (ilkomupi.com)

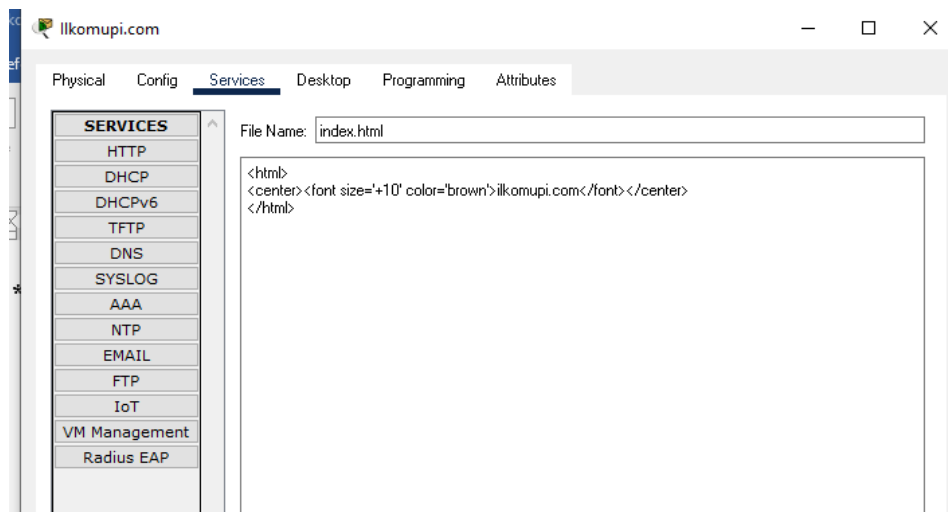
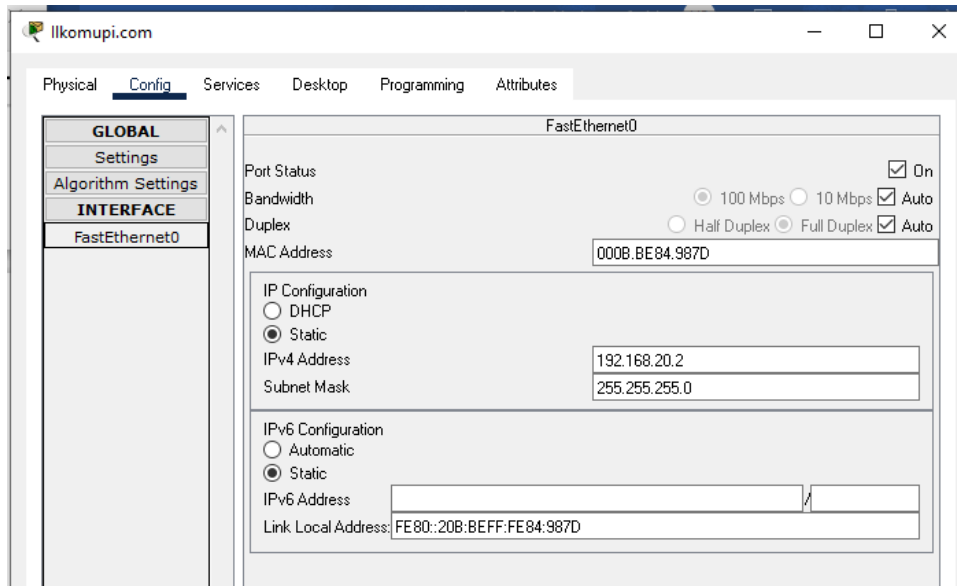
a. Konfigurasi HttpServer

The first screenshot shows the 'IP Configuration' window for ilkomupi.com. The 'Static' radio button is selected. The 'IPv4 Address' is '192.168.20.2', 'Subnet Mask' is '255.255.255.0', 'Default Gateway' is '192.168.20.1', and 'DNS Server' is '0.0.0.0'.

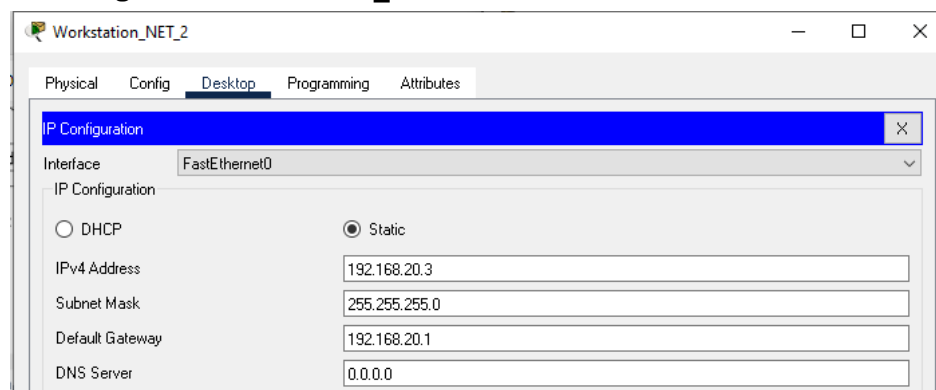
Parameter	Value
IP Configuration	<input checked="" type="radio"/> Static <input type="radio"/> DHCP
IPv4 Address	192.168.20.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.20.1
DNS Server	0.0.0.0

The second screenshot shows the 'Global Settings' window for ilkomupi.com. The 'Display Name' is 'ilkomupi.com'. The 'Gateway/DNS IPv4' section has 'Static' selected. The 'Default Gateway' is '192.168.20.1' and the 'DNS Server' is '192.168.10.2'.

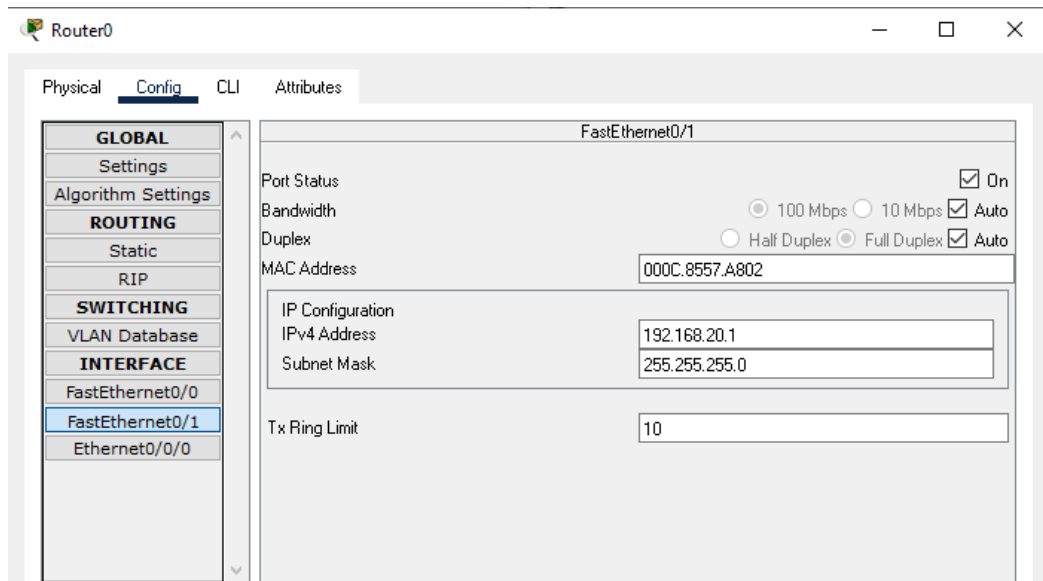
Parameter	Value
Display Name	ilkomupi.com
Gateway/DNS IPv4	<input checked="" type="radio"/> Static <input type="radio"/> DHCP
Default Gateway	192.168.20.1
DNS Server	192.168.10.2



b. Konfigurasi PC client_NET2

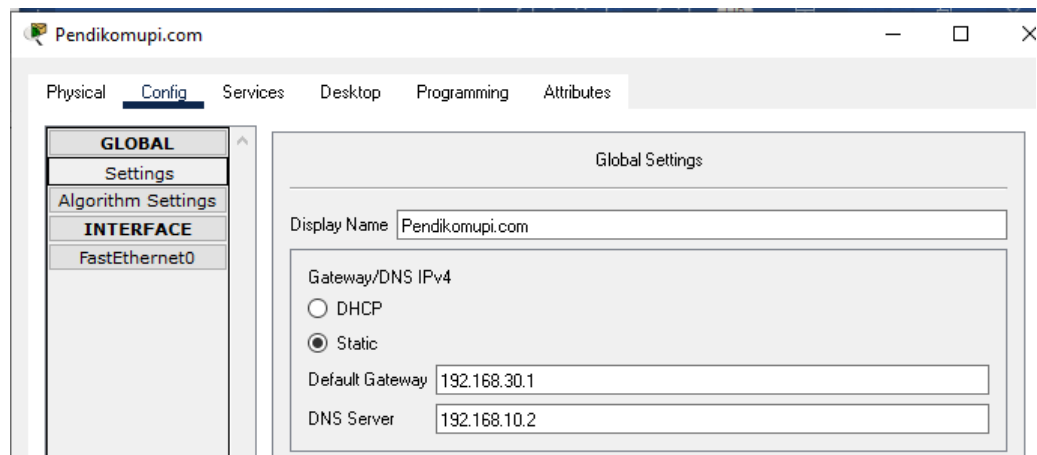
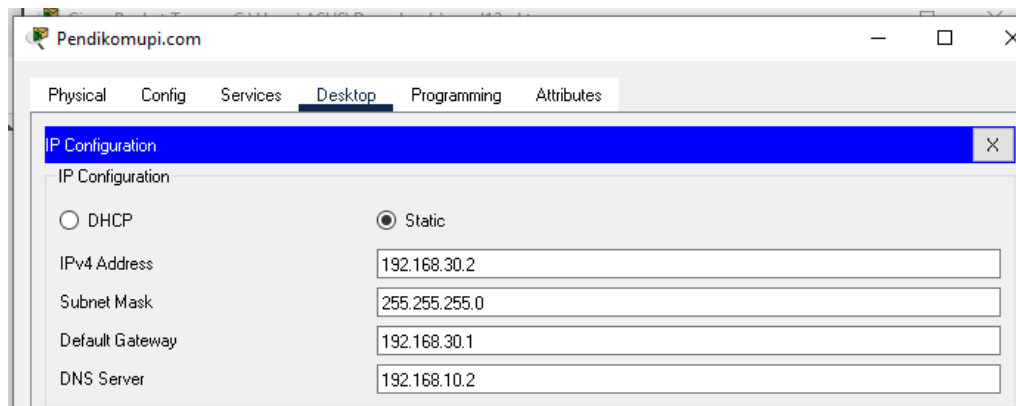


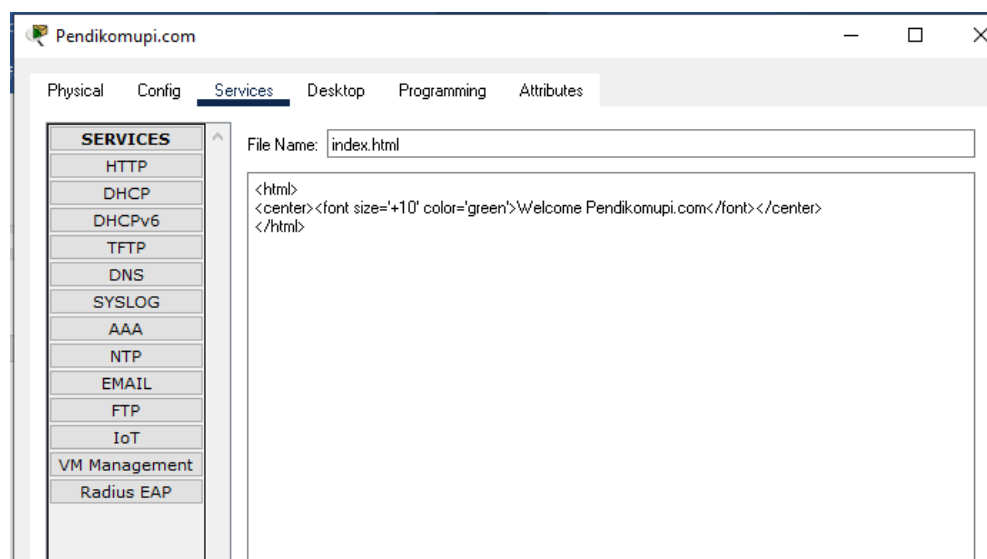
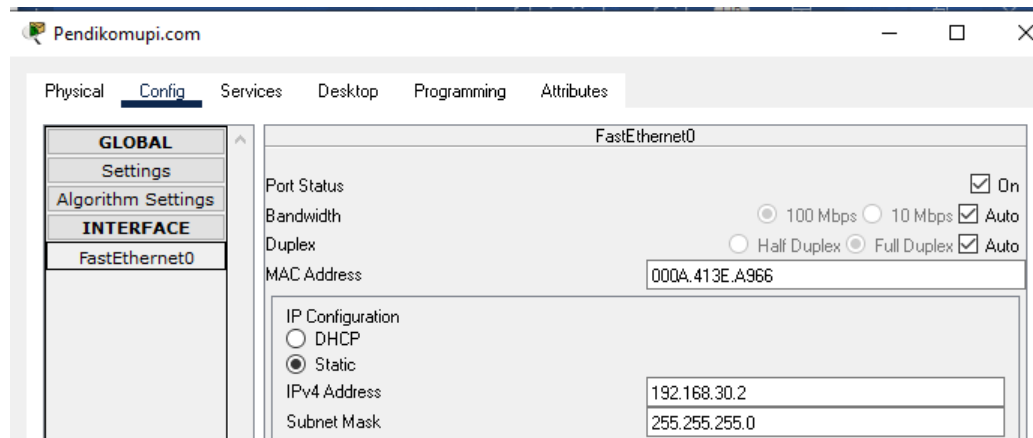
c. Konfigurasi Router0



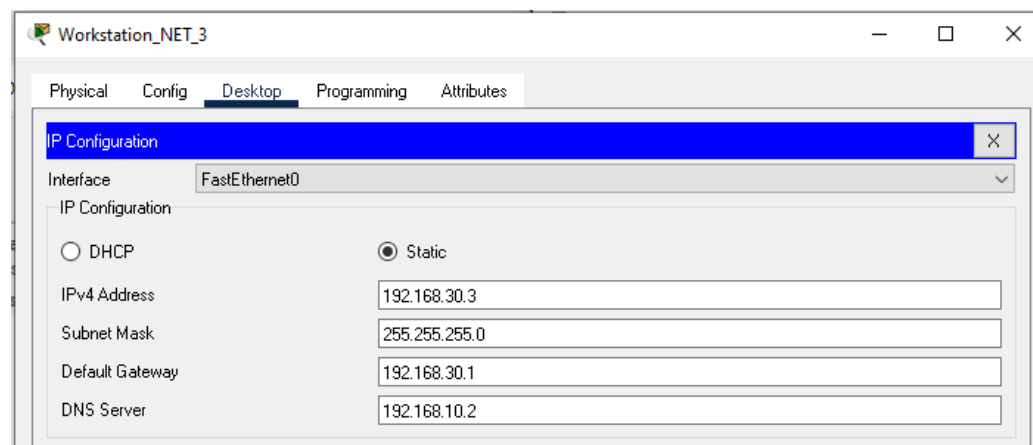
4. Setting Network3 (Pendikomupi.com)

a. Konfigurasi Http Server

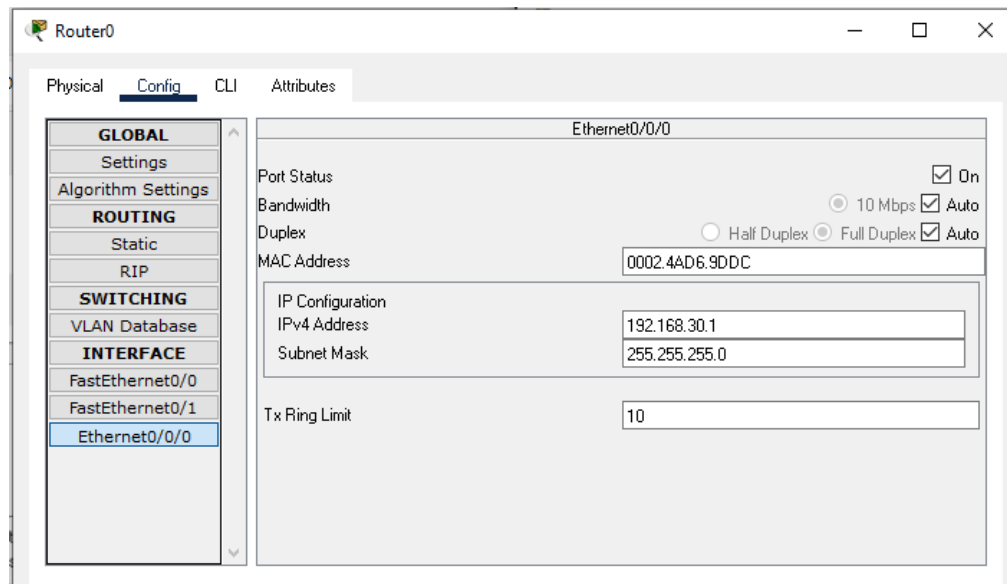




b. Konfigurasi PC Client_NET3

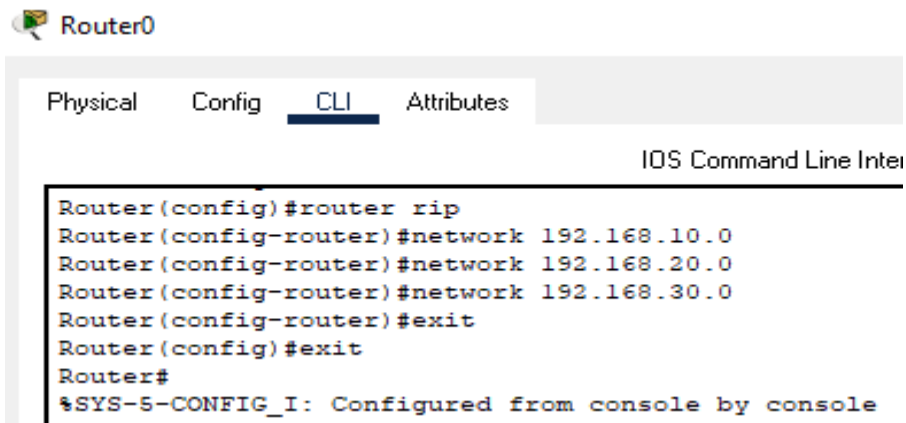


c. Konfigurasi Router0

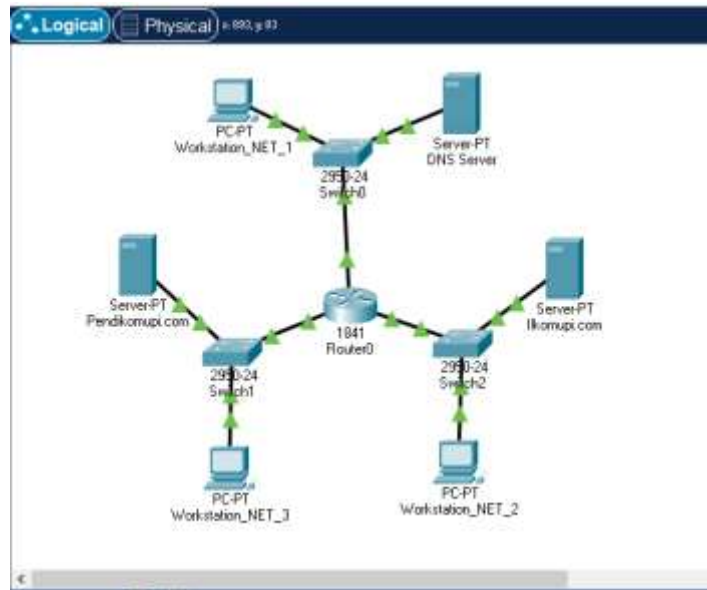


5. Setting routing dinamis pada Router0

- Untuk menghubungkan 3 network id yang berbeda

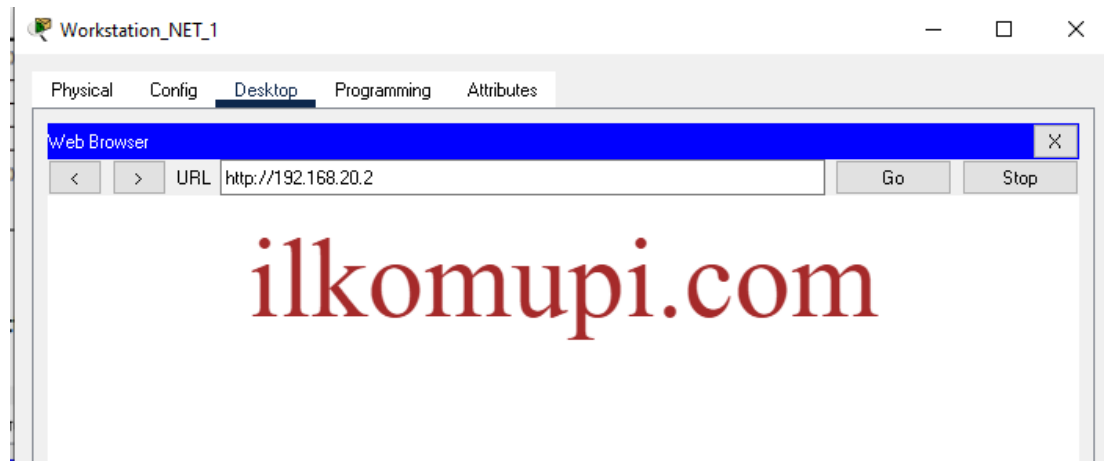


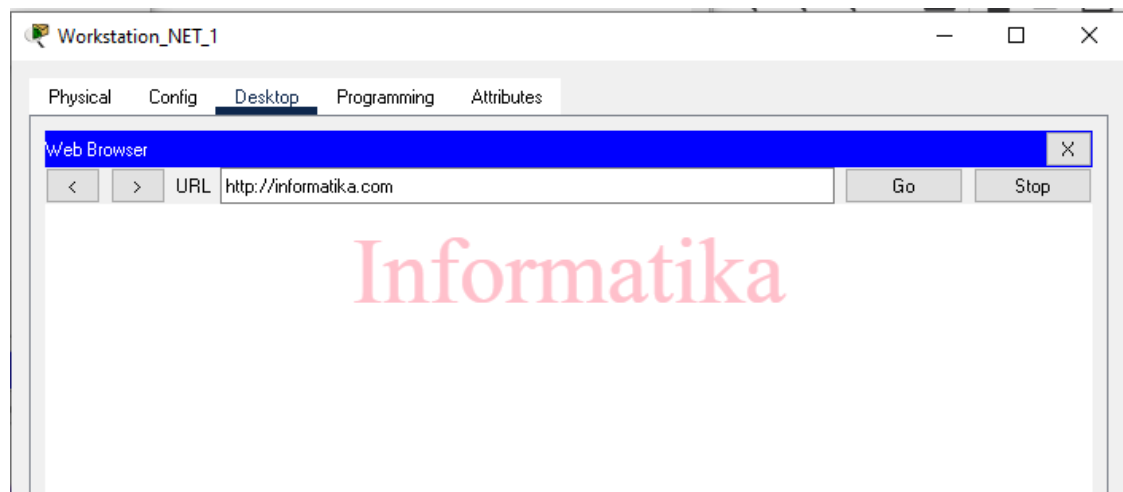
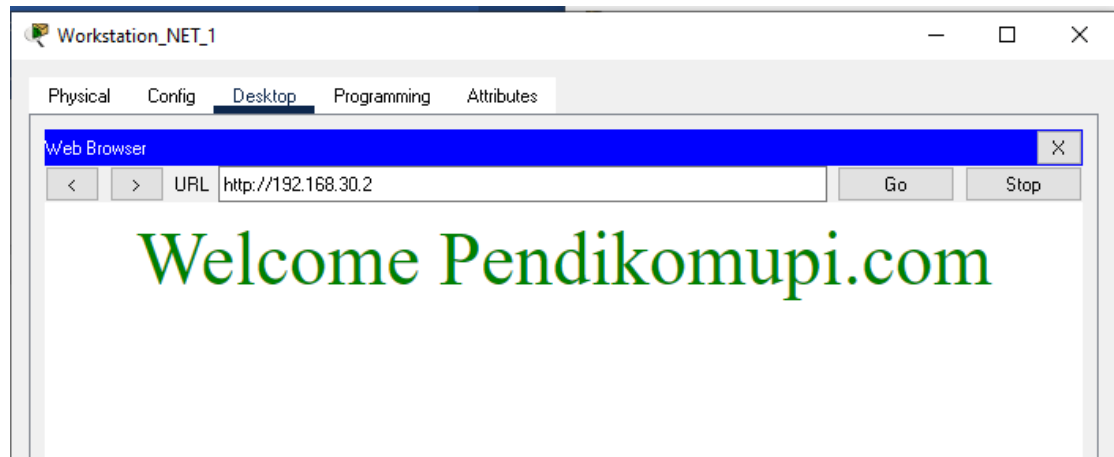
6. Topologi setelah di Konfigurasi



7. Melakukan test hasil

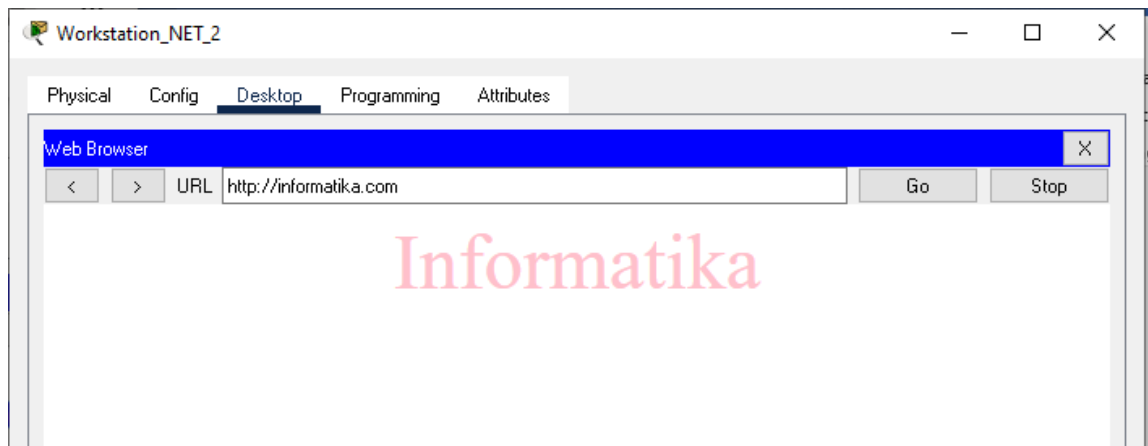
- **PC Net1** membuka layanan Http server2,3 dan Dns server





- **PC Net2 membuka layanan Http server2,3 dan Dns server**





➤ **PC Net3 membuka layanan Http server2,3 dan Dns server**



