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<p><b>Hari/Tanggal :</b> 11 Oktober 2021</p>		<p><b>Nama Asisten Labratorium :</b></p> <ol style="list-style-type: none"> <li>1. Annur Hangga Prihadi</li> <li>2. Harfansa Nasrullah</li> <li>3. Faiz Kumara</li> <li>4. Uray Asyifa</li> </ol>

## Jaringan Statis

### 1. Teori Singkat

**Ambil teori singkat dari Google ya**

### 2. Alat dan Bahan

**2.1. Hardware: Laptop atau PC**

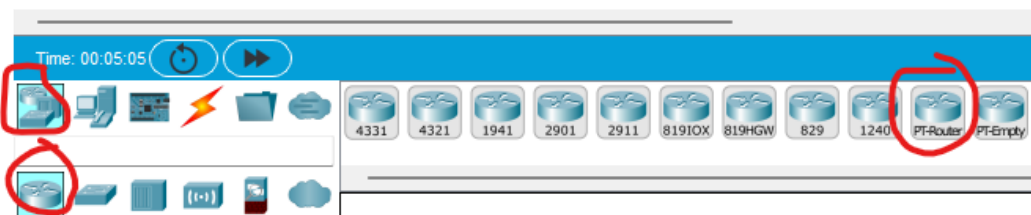
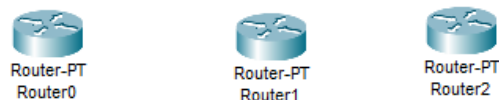
**2.2. Software: Cisco Packet Tracer**

### 3. Elemen Kompetensi

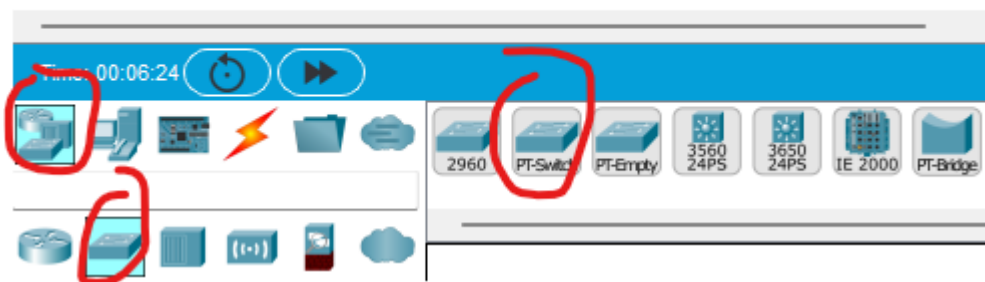
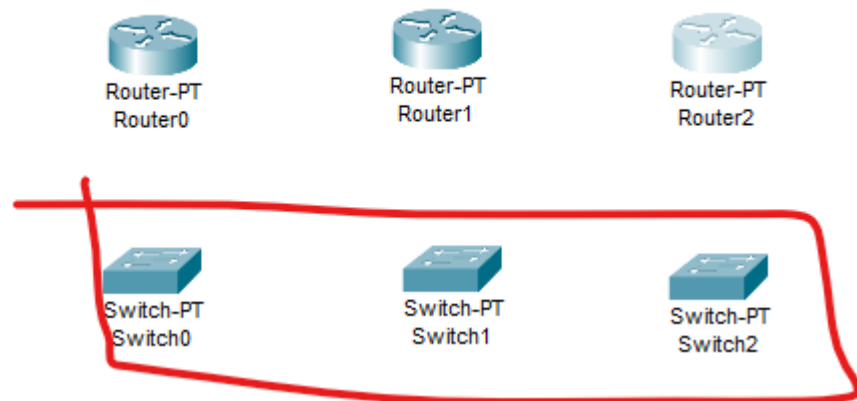
#### 3.1. Pre-Praktikum

3.1.1. Buka Cisco Packet Tracer kalian

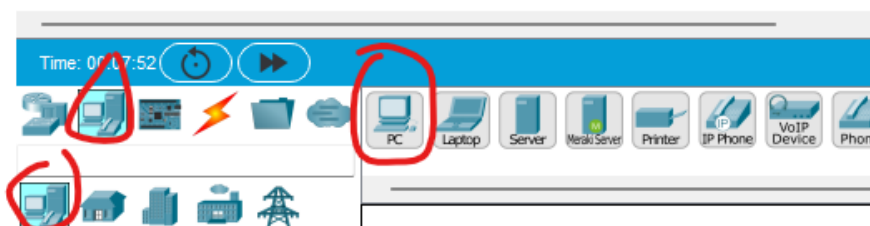
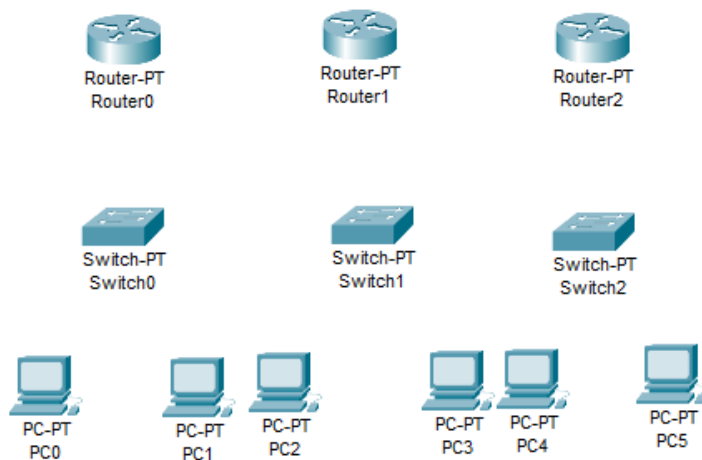
3.1.2. Pilih router sesuai pada gambar sebanyak 3 buah



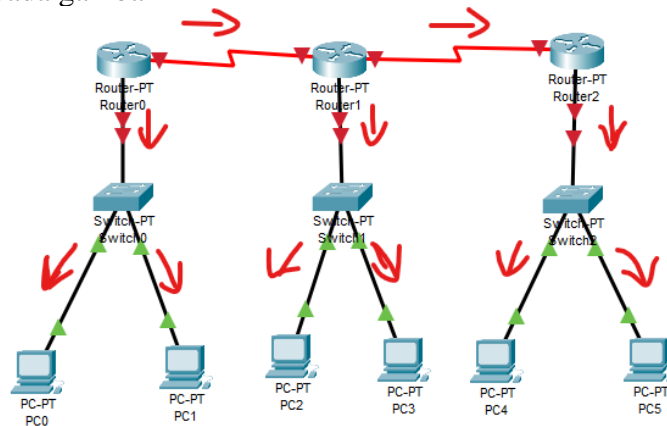
3.1.3. Pilih switch sesuai pada gambar sebanyak 3 buah



3.1.4. Pilih 6 PC dan susun topologinya sesuai dengan kehendak kalian



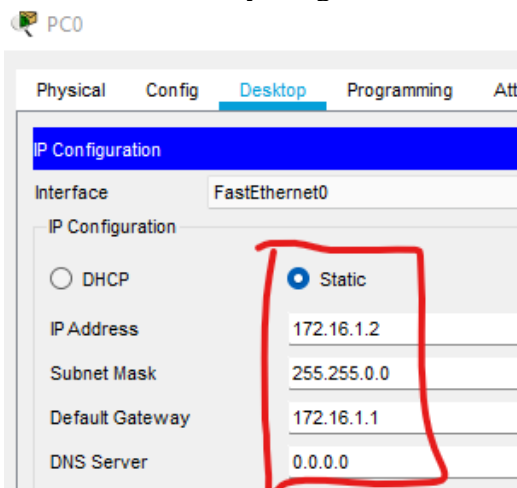
3.1.5. Pilih Automatic Cable lalu sambungkan ke masing-masing komponen sesuai pada gambar



### 3.2. Setting PC

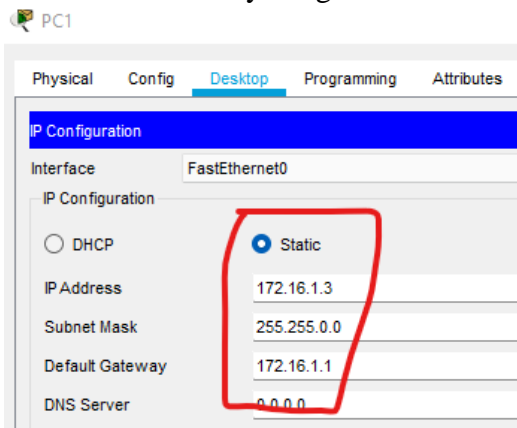
3.2.1. Masuk ke PC0 > Desktop > IP Configuration dan lakukan langkah berikut

- Isi IP Address dengan 172.16.1.2
- Isi Subnet Mask dengan 255.255.0.0
- Isi Default Gateway dengan 172.16.1.1



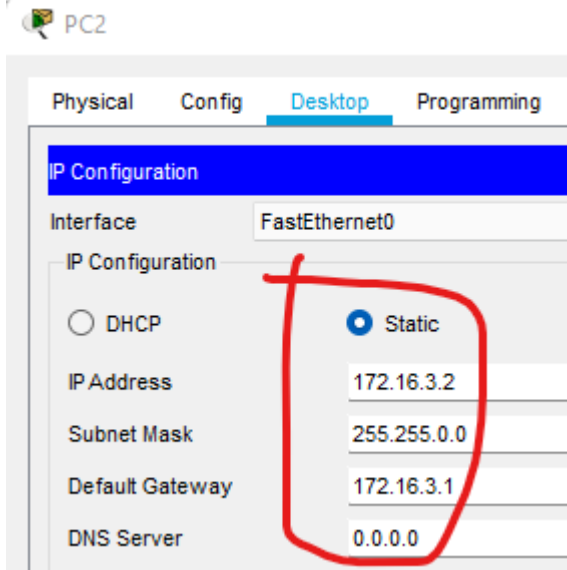
3.2.2. Masuk ke PC1 > Desktop > IP Configuration dan lakukan langkah berikut

- Isi IP Address dengan 172.16.1.3
- Isi Subnet Mask dengan 255.255.0.0
- Isi Default Gateway dengan 172.16.1.1



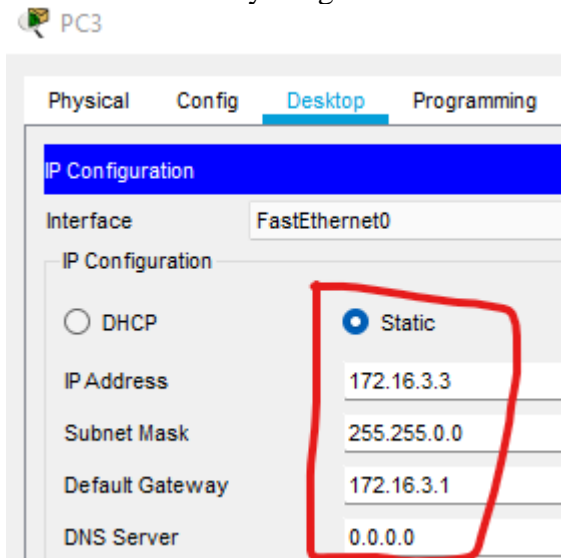
3.2.3. Masuk ke PC2 > Desktop > IP Configuration dan lakukan langkah berikut

- a. Isi IP Address dengan 172.16.3.2
- b. Isi Subnet Mask dengan 255.255.0.0
- c. Isi Default Gateway dengan 172.16.3.1



3.2.4. Masuk ke PC3 > Desktop > IP Configuration dan lakukan langkah berikut

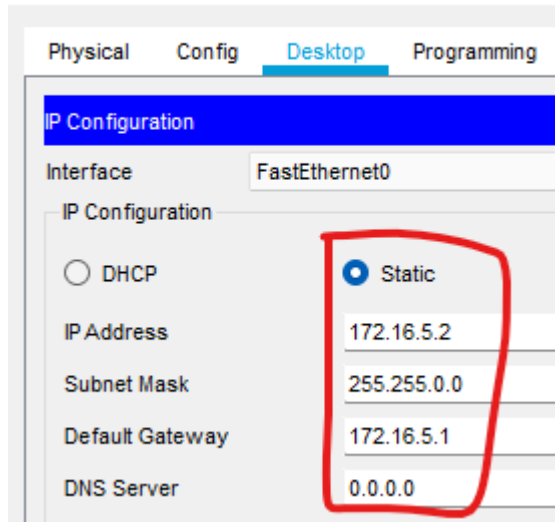
- a. Isi IP Address dengan 172.16.3.3
- b. Isi Subnet Mask dengan 255.255.0.0
- c. Isi Default Gateway dengan 172.16.3.1



3.2.5. Masuk ke PC4 > Desktop > IP Configuration dan lakukan langkah berikut

- a. Isi IP Address dengan 172.16.5.2
- b. Isi Subnet Mask dengan 255.255.0.0
- c. Isi Default Gateway dengan 172.16.5.1

 PC4



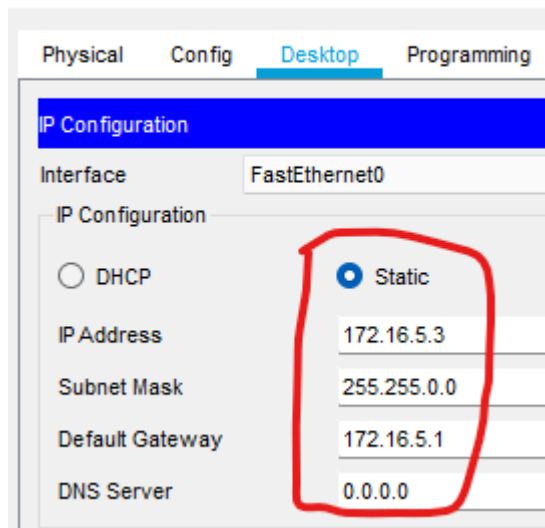
The screenshot shows the 'Desktop' tab of the PC4 configuration window. The 'IP Configuration' section is active, showing the 'FastEthernet0' interface. The 'Static' radio button is selected, and the IP Address is set to 172.16.5.2, Subnet Mask to 255.255.0.0, and Default Gateway to 172.16.5.1. The DNS Server is set to 0.0.0.0. A red box highlights the 'Static' radio button and the IP Address, Subnet Mask, and Default Gateway fields.

Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IP Address	172.16.5.2
Subnet Mask	255.255.0.0
Default Gateway	172.16.5.1
DNS Server	0.0.0.0

3.2.6. Masuk ke PC5 > Desktop > IP Configuration dan lakukan langkah berikut

- a. Isi IP Address dengan 172.16.5.3
- b. Isi Subnet Mask dengan 255.255.0.0
- c. Isi Default Gateway dengan 172.16.5.1

 PC5

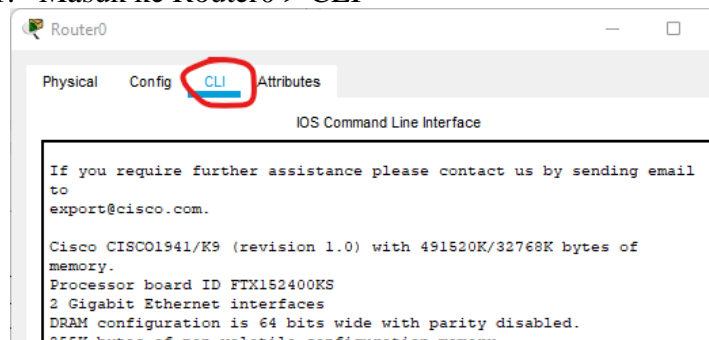


The screenshot shows the 'Desktop' tab of the PC5 configuration window. The 'IP Configuration' section is active, showing the 'FastEthernet0' interface. The 'Static' radio button is selected, and the IP Address is set to 172.16.5.3, Subnet Mask to 255.255.0.0, and Default Gateway to 172.16.5.1. The DNS Server is set to 0.0.0.0. A red box highlights the 'Static' radio button and the IP Address, Subnet Mask, and Default Gateway fields.

Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IP Address	172.16.5.3
Subnet Mask	255.255.0.0
Default Gateway	172.16.5.1
DNS Server	0.0.0.0

### 3.3. Setting Router

#### 3.3.1. Masuk ke Router0 > CLI



#### 3.3.2. Ketik langkah berikut

Would you like to enter the initial configuration dialog? **n**

Press Return to get started!

Router>

Router#

Router (config)#

Router (config-if)#

Router (config-if)#

Router (config-if)#

Router (config)#

Router (config-if)#

Router (config-if)#

Router (config-if)#

“Tekan” enter pada keyboard

**en**

**conf t**

**int fa0/0**

**ip add 172.16.1.1 255.255.255.0**

**no shut**

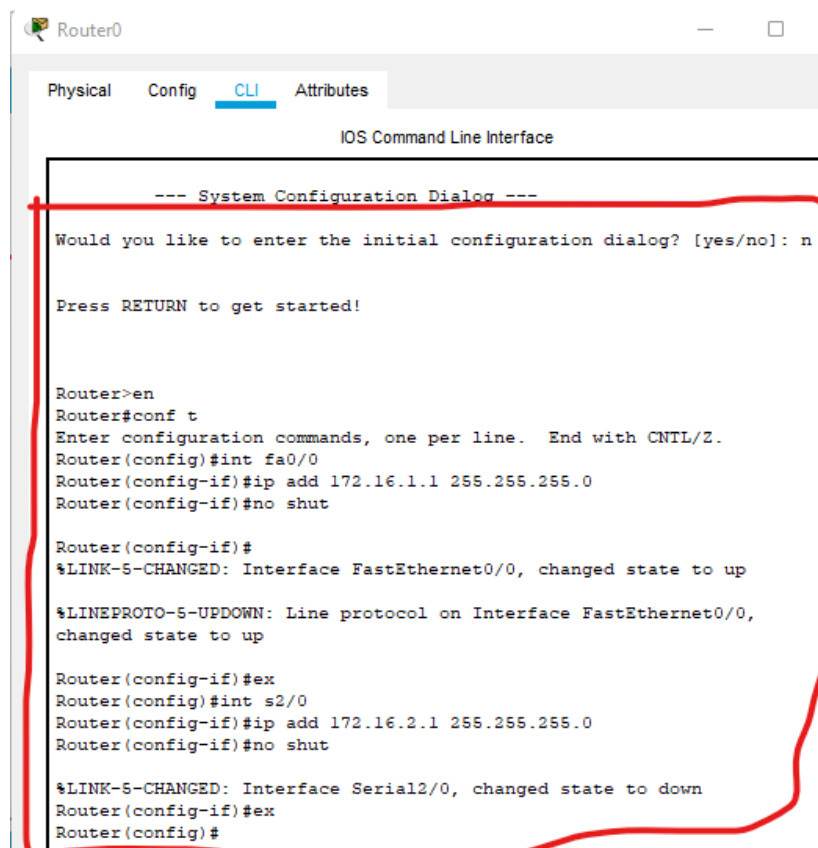
**ex**

**int s2/0**

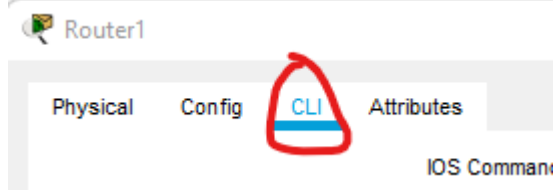
**ip add 172.16.2.1 255.255.255.0**

**no shut**

**ex**



### 3.3.3. Masuk ke Router1 > CLI



### 3.3.4. Ketik langkah berikut

Would you like to enter the initial configuration dialog? **n**

Press Return to get started!

Router>

Router#

Router (config)#

Router (config-if)#

Router (config-if)#

Router (config-if)#

Router (config)#

Router (config-if)#

Router (config-if)#

Router (config-if)#

Router (config)#

Router (config-if)#

Router (config-if)#

Router (config-if)#

“Tekan” enter pada keyboard

en

conf t

int fa0/0

ip add 172.16.3.1 255.255.255.0

no shut

ex

int s2/0

ip add 172.16.2.2 255.255.255.0

no shut

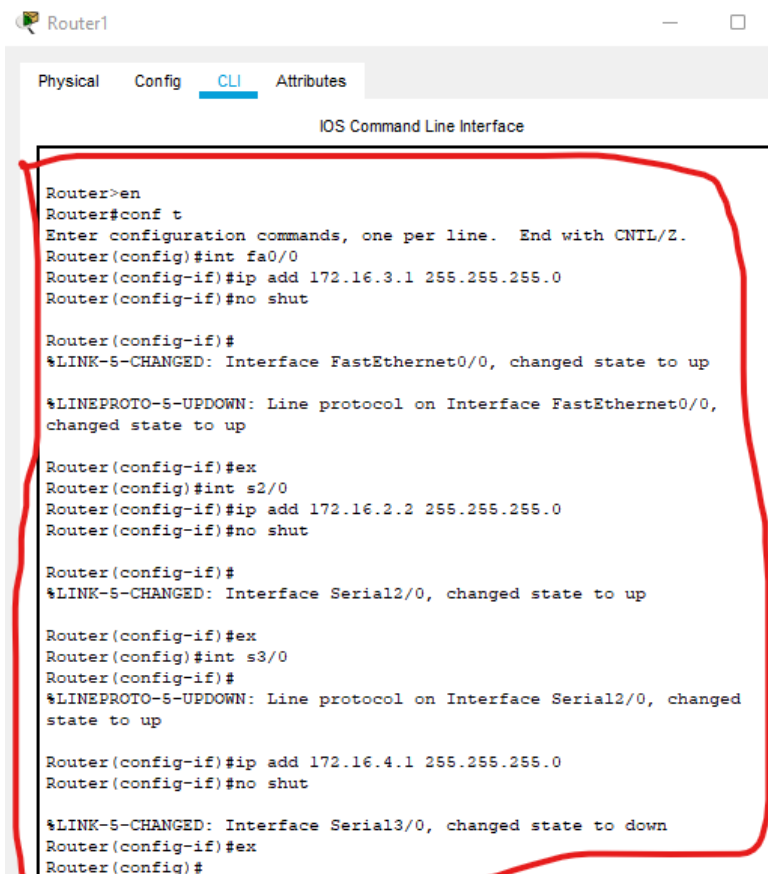
ex

int s3/0


ip add 172.16.4.1 255.255.255.0

no shut

Ex



### 3.3.5. Masuk ke Router2 > CLI

 Router2

Physical Config **CLI** Attributes

### 3.3.6. Ketik langkah berikut

Would you like to enter the initial configuration dialog? **n**

Press Return to get started!

Router>

Router#

Router (config)#

Router (config-if)#

Router (config-if)#

Router (config-if)#

Router (config)#

Router (config-if)#

Router (config-if)#

Router (config-if)#

“Tekan” enter pada keyboard

en

conf t

int fa0/0

ip add 172.16.5.1 255.255.255.0

no shut

Ex

int s2/0

ip add 172.16.4.2 255.255.255.0

no shut

ex

 Router2

Physical Config **CLI** Attributes

IOS Command Line Interface

Would you like to enter the initial configuration dialog? [yes/no]: n

Press RETURN to get started!

Router>en

Router#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#int fa0/0

Router(config-if)#ip add 172.16.5.1 255.255.255.0

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#ex

Router(config)#int s2/0

Router(config-if)#ip add 172.16.4.2 255.255.255.0

Router(config-if)#no shut

Router(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#ex

Router(config)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router(config)#



### 3.3.7. Masuk ke Router0 > CLI

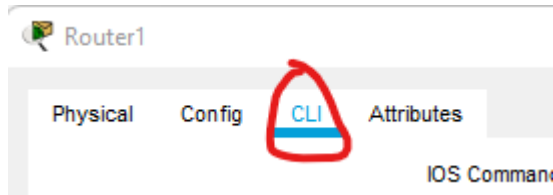


### 3.3.8. Ketik langkah berikut

Press Return to get started! "Tekan" enter pada keyboard  
Router> en  
Router# conf t  
Router (config)# ip route 172.16.3.0 255.255.255.0 172.16.2.2  
Router (config)# ip route 172.16.5.0 255.255.255.0 172.16.2.2

```
Router(config)#ip route 172.16.3.0 255.255.255.0 172.16.2.2
Router(config)#ip route 172.16.5.0 255.255.255.0 172.16.2.2
Router(config)#
```

### 3.3.9. Masuk ke Router1 > CLI



### 3.3.10. Ketik langkah berikut

Press Return to get started! "Tekan" enter pada keyboard  
Router> en  
Router# conf t  
Router (config)# ip route 172.16.1.0 255.255.255.0 172.16.2.1  
Router (config)# ip route 172.16.5.0 255.255.255.0 172.16.4.2

```
Router(config)#ip route 172.16.1.0 255.255.255.0 172.16.2.1
Router(config)#ip route 172.16.5.0 255.255.255.0 172.16.4.2
Router(config)#
```

### 3.3.11. Masuk ke Router2 > CLI



### 3.3.12. Ketik langkah berikut

Press Return to get started!

“Tekan” enter pada keyboard

Router>

en

Router#

conf t

Router (config)#

ip route 172.16.1.0 255.255.255.0 172.16.4.1

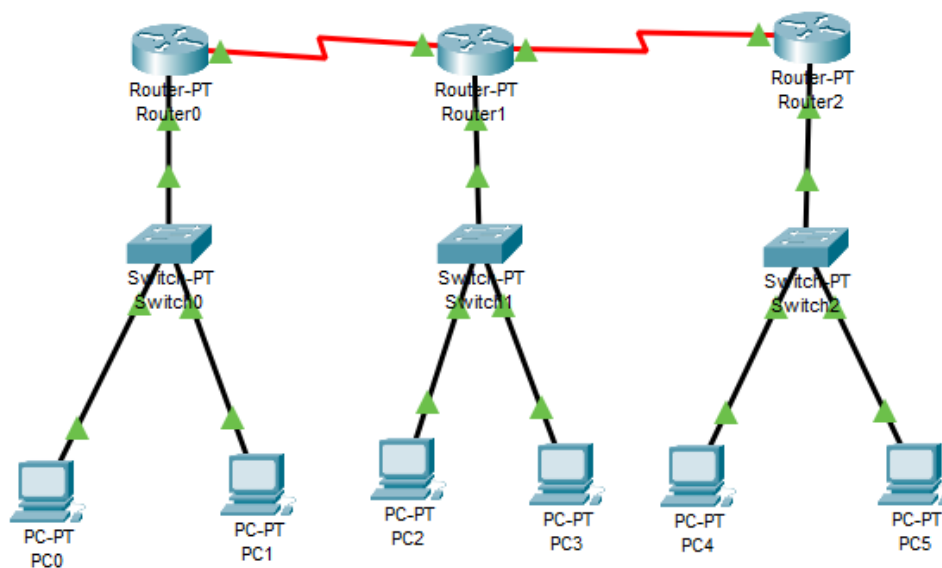
Router (config)#

ip route 172.16.3.0 255.255.255.0 172.16.4.1

```
Router(config)#ip route 172.16.1.0 255.255.255.0 172.16.4.1
Router(config)#ip route 172.16.3.0 255.255.255.0 172.16.4.1
Router(config)#
```

## 3.4. Testing Jaringan

3.4.1. Kirim pesan dari PC0 ke PC3 (Jika hasilnya “Successful” maka pengaturan sudah benar)

A screenshot of the network simulation interface. The 'Realtime' tab is selected. A table shows the results of a ping test from PC0 to PC3, with the status 'Successful' highlighted by a red circle.

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Nu
	Successful	PC0	PC3	ICMP	Green	0.000	N	

#### **4. Simpulan**

**Isi simpulan sendiri ya (Minimal 4 baris)**