

# Workshop Keamanan Jaringan

Dosen Pengampu: Dr. Ferry Astika Saputra ST, M.Sc

## Tugas minggu 1 – Pre-Test

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Disusun oleh :

Lifta Annisa Husaina

3121600045

2 D4 IT B

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**POLITEKNIK  
ELEKTRONIKA NEGERI  
SURABAYA**

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## TABEL KONFIGURASI ROUTING DINAMIS (RIP)

### Konfigurasi Core Router

Hostname	Core Router
IP Address	192.168.1.1 (FastEthernet0/0) 192.168.2.1 (GigabitEthernet7/0) 192.168.7.1 (GigabitEthernet9/0)
Subnet mask	255.255.255.0
Gateway	192.168.2.2 192.168.7.2
DNS Server	192.168.9.53

### Routing Table Core-Router

Network Destination	Netmask	Gateway	Interface	Metric
192.168.1.0	255.255.255.0		FastEthernet0/0	0
192.168.2.0	255.255.255.0		GigabitEthernet7/0	0
192.168.3.0	255.255.255.0	192.168.2.2	GigabitEthernet7/0	1
192.168.4.0	255.255.255.0	192.168.2.2	GigabitEthernet7/0	1
192.168.5.0	255.255.255.0	192.168.2.2	GigabitEthernet7/0	1
192.168.6.0	255.255.255.0	192.168.2.2	GigabitEthernet7/0	1
192.168.7.0	255.255.255.0		GigabitEthernet7/0	0
192.168.9.0	255.255.255.0	192.168.7.2	GigabitEthernet9/0	1

### Konfigurasi Router 8

Hostname	Router 8
IP Address	192.168.7.2 (GigabitEthernet0/0/0) 192.168.9.1 (GigabitEthernet0/0/0)
Subnet mask	255.255.255.0
Gateway	192.168.7.1
DNS Server	192.168.9.53

### Routing Table Router 8

Network Destination	Netmask	Gateway	Interface	Metric
192.168.1.0	255.255.255.0	192.168.7.1	GigabitEthernet0/0/0	1
192.168.2.0	255.255.255.0	192.168.7.1	GigabitEthernet0/0/0	1
192.168.3.0	255.255.255.0	192.168.7.1	GigabitEthernet0/0/0	1
192.168.4.0	255.255.255.0	192.168.7.1	GigabitEthernet0/0/0	1
192.168.5.0	255.255.255.0	192.168.7.1	GigabitEthernet0/0/0	1
192.168.6.0	255.255.255.0	192.168.7.1	GigabitEthernet0/0/0	1
192.168.7.0	255.255.255.0		GigabitEthernet0/0/0	0

192.168.7.2	255.255.255.255		GigabitEthernet0/0/0	0
192.168.9.0	255.255.255.0		GigabitEthernet0/0/1	0
192.168.9.1	255.255.255.255		GigabitEthernet0/0/1	0

#### Konfigurasi Distribution Router

Hostname	Distribution Router
IP Address	192.168.3.1 (FastEthernet0/0) 192.168.4.1 (FastEthernet1/0) 192.168.2.2 (GigabitEthernet6/0)
Subnet mask	255.255.255.0
Gateway	192.168.2.1 192.168.3.2 192.168.4.2
DNS Server	192.168.9.53

#### Routing Table Distribution Router

Network Destination	Netmask	Gateway	Interface	Metric
192.168.1.0	255.255.255.0	192.168.2.1	GigabitEthernet6/0	1
192.168.2.0	255.255.255.0		GigabitEthernet6/0	0
192.168.3.0	255.255.255.0		FastEthernet0/0	0
192.168.4.0	255.255.255.0		FastEthernet1/0	0
192.168.5.0	255.255.255.0	192.168.3.2	FastEthernet0/0	1
192.168.6.0	255.255.255.0	192.168.4.2	FastEthernet1/0	1
192.168.7.0	255.255.255.0	192.168.2.1	GigabitEthernet6/0	1
192.168.9.0	255.255.255.0	192.168.2.1	GigabitEthernet6/0	1

#### Konfigurasi Access Router A-1

Hostname	Access Router A-1
IP Address	192.168.3.2 (GigabitEthernet0/0) 192.168.5.1 (GigabitEthernet0/1)
Subnet mask	255.255.255.0
Gateway	192.168.3.1
DNS Server	192.168.9.53

#### Routing Table Access Router A-1

Network Destination	Netmask	Gateway	Interface	Metric
192.168.1.0	255.255.255.0	192.168.3.1	GigabitEthernet0/0	1
192.168.2.0	255.255.255.0	192.168.3.1	GigabitEthernet0/0	1
192.168.3.0	255.255.255.0		GigabitEthernet0/0	0
192.168.3.2	255.255.255.255		GigabitEthernet0/0	
192.168.4.0	255.255.255.0	192.168.3.1	GigabitEthernet0/0	1
192.168.5.0	255.255.255.0		GigabitEthernet0/1	0
192.168.5.1	255.255.255.255		GigabitEthernet0/1	

192.168.6.0	255.255.255.0	192.168.3.1	GigabitEthernet0/0	1
192.168.7.0	255.255.255.0	192.168.3.1	GigabitEthernet0/0	1
192.168.9.0	255.255.255.0	192.168.3.1	GigabitEthernet0/0	1

#### Konfigurasi Access Router A-2

Hostname	Access Router A-2
IP Address	192.168.4.2 (GigabitEthernet0/0) 192.168.6.1 (GigabitEthernet6/0)
Subnet mask	255.255.255.0
Gateway	192.168.4.1
DNS Server	192.168.9.53

#### Routing Table Access Router A-2

Network Destination	Netmask	Gateway	Interface	Metric
192.168.1.0	255.255.255.0	192.168.4.1	GigabitEthernet0/0	1
192.168.2.0	255.255.255.0	192.168.4.1	GigabitEthernet0/0	1
192.168.3.0	255.255.255.0	192.168.4.1	GigabitEthernet0/0	0
192.168.4.0	255.255.255.0		GigabitEthernet0/0	1
192.168.4.2	255.255.255.255		GigabitEthernet0/0	
192.168.5.0	255.255.255.0	192.168.4.1	GigabitEthernet0/0	0
192.168.6.0	255.255.255.0		GigabitEthernet0/1	1
192.168.6.1	255.255.255.255		GigabitEthernet0/1	
192.168.7.0	255.255.255.0	192.168.4.1	GigabitEthernet0/0	1
192.168.9.0	255.255.255.0	192.168.4.1	GigabitEthernet0/0	1

#### Konfigurasi Main Web Server

Hostname	<a href="http://www.jarkom.org">www.jarkom.org</a>
IP Address	192.168.9.80
Subnet mask	255.255.255.0
Gateway	192.168.9.1
DNS Server	192.168.9.53

#### Konfigurasi DNS Server

Hostname	ns.jarkom.org
IP Address	192.168.9.53
Subnet mask	255.255.255.0
Gateway	192.168.9.1
DNS Server	192.168.9.53

#### Konfigurasi DHCP Server A-2

Hostname	dhcp-a2.jarkom.org
IP Address	192.168.6.5
Subnet mask	255.255.255.0
Gateway	192.168.6.1

DNS Server	192.168.9.53
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#### Konfigurasi PC0

Hostname	PC0
IP Address	192.168.5.4
Subnet mask	255.255.255.0
Gateway	192.168.5.1
DNS Server	192.168.9.53

#### Konfigurasi PC1

Hostname	PC1
IP Address	192.168.5.5
Subnet mask	255.255.255.0
Gateway	192.168.5.1
DNS Server	192.168.9.53

#### Konfigurasi PC0(2)

Hostname	PC0(2)
IP Address	192.168.6.2
Subnet mask	255.255.255.0
Gateway	192.168.6.1
DNS Server	192.168.9.53

#### Konfigurasi PC1(2)

Hostname	PC1(2)
IP Address	192.168.6.3
Subnet mask	255.255.255.0
Gateway	192.168.6.1
DNS Server	192.168.9.53

#### Konfigurasi AP-1

Hostname	
IP Address	192.168.5.4
Subnet mask	255.255.255.0
Gateway	192.168.5.1
DNS Server	192.162.9.53
WLAN Security	WPA2-PSK
SSID	Lifta
SSID Key	12345678

#### Konfigurasi AP-2

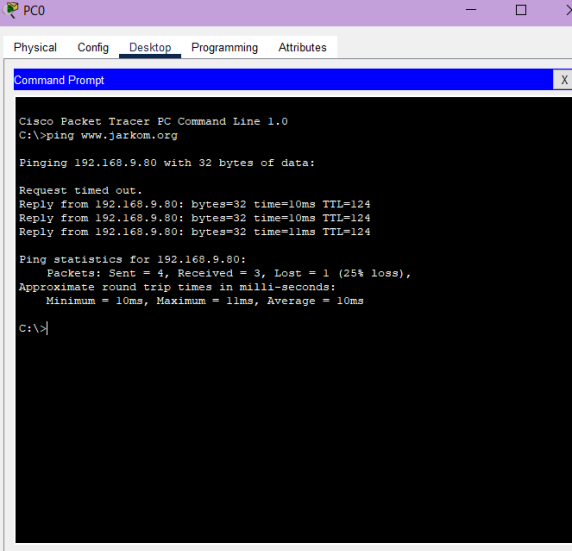
Hostname	AP A-2
IP Address	192.168.6.4
Subnet mask	255.255.255.0

Gateway	192.168.6.1
DNS Server	192.168.9.53
WLAN Security	WPA2-PSK
SSID	Annisa
SSID Key	87654321

## Hasil Percobaan

### PC0

Ping ke [www.jarkom.org](http://www.jarkom.org) di Command Prompt



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Cisco Packet Tracer PC Command Line 1.0
C:\>ping www.jarkom.org

Pinging 192.168.9.80 with 32 bytes of data:

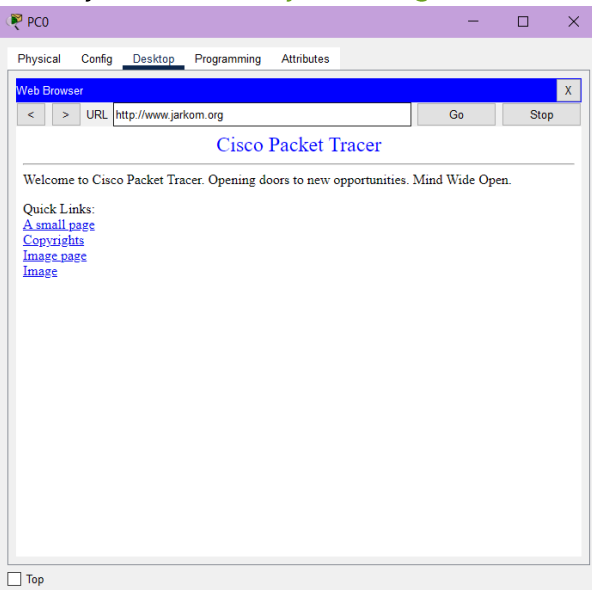
Request timed out.
Reply from 192.168.9.80: bytes=32 time=10ms TTL=124
Reply from 192.168.9.80: bytes=32 time=10ms TTL=124
Reply from 192.168.9.80: bytes=32 time=11ms TTL=124

Ping statistics for 192.168.9.80:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 10ms, Maximum = 11ms, Average = 10ms

C:\>

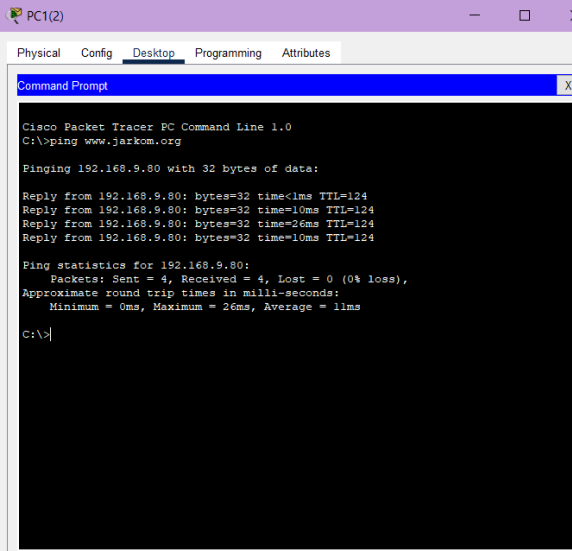
```

Menuju alamat [www.jarkom.org](http://www.jarkom.org) di browser



### PC1(2)

Ping ke [www.jarkom.org](http://www.jarkom.org) di Command Prompt



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Cisco Packet Tracer PC Command Line 1.0
C:\>ping www.jarkom.org

Pinging 192.168.9.80 with 32 bytes of data:

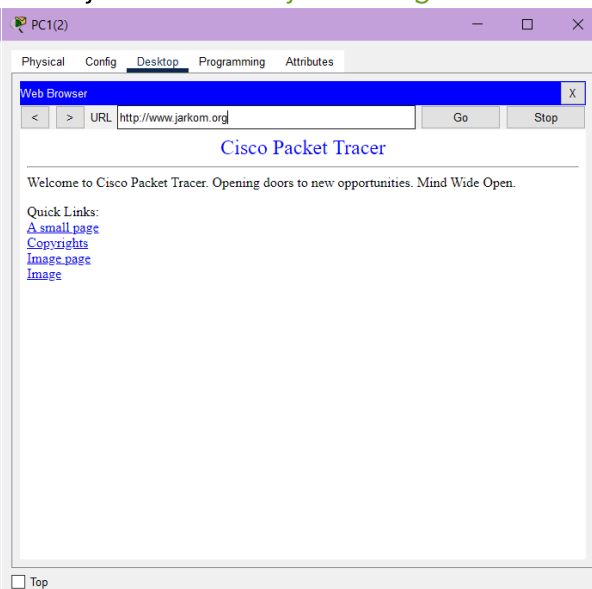
Reply from 192.168.9.80: bytes=32 time<1ms TTL=124
Reply from 192.168.9.80: bytes=32 time=10ms TTL=124
Reply from 192.168.9.80: bytes=32 time=26ms TTL=124
Reply from 192.168.9.80: bytes=32 time=10ms TTL=124

Ping statistics for 192.168.9.80:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 26ms, Average = 11ms

C:\>

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Menuju alamat [www.jarkom.org](http://www.jarkom.org) di browser



=====TERIMA KASIH <3=====