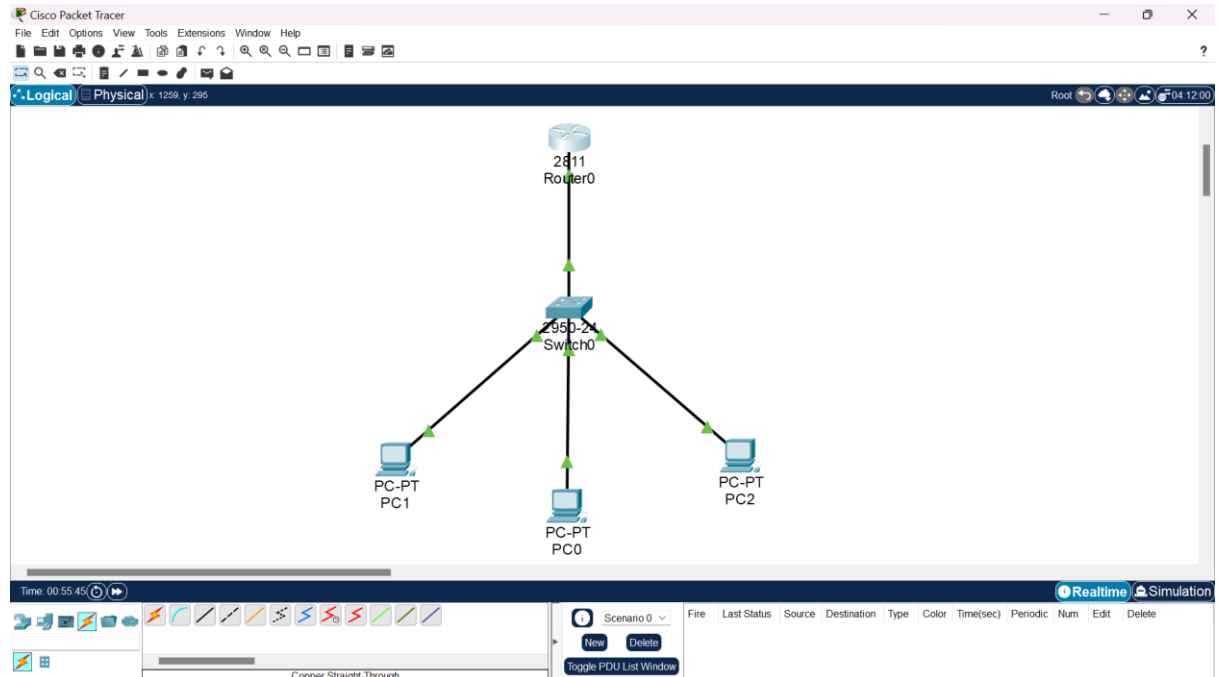


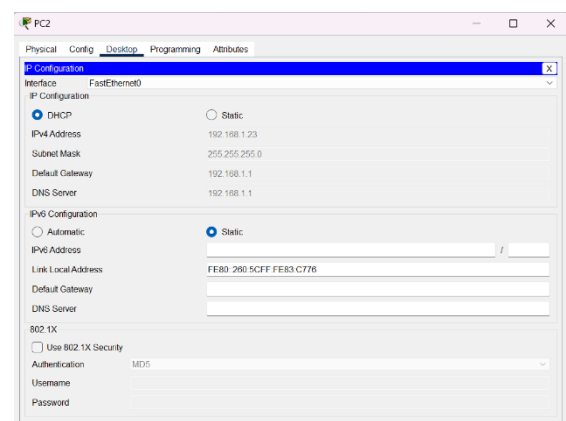
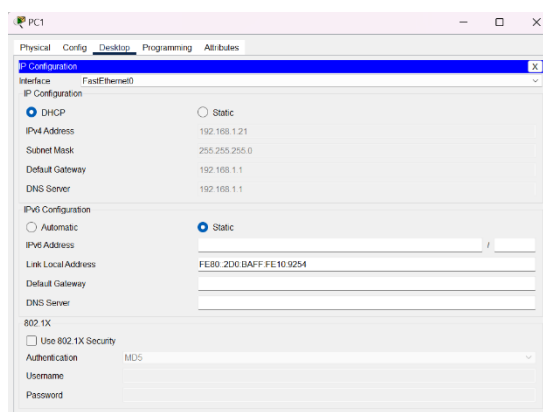
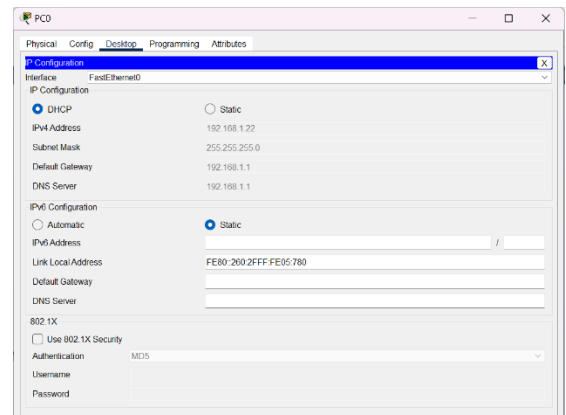
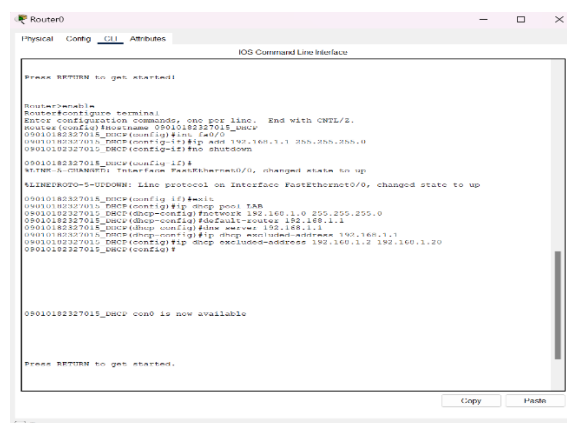
NAMA : TIARA FADILLAH PUTRI
NIM : 090182327015
KELAS: MI3A

LAPORAN PRAKTIKUM JARINGAN KOMPUTER

PERCOBAAAN



KONFIGURASI DHCP CLIENT



MELIHAT DAFTAR IP DARI CLIENT

```
09010182327015_DHCP>sh ip dhcp binding
```

IP address	Client-ID/ Hardware address	Lease expiration	Type
192.168.1.23	00D0.BA10.9254	--	Automatic
192.168.1.22	0060.2F05.0780	--	Automatic
192.168.1.21	0060.5C83.C776	--	Automatic

NO	IP ADDRESS	MAC ADDRESS	LEASE EXPIRATION	TYPE
1	192.168.1.21	0060.5C83.C776	--	AUTOMATIC
2	192.168.1.22	0060.2F05.0780	--	AUTOMATIC
3	192.168.1.23	00D0.BA10.9254	--	AUTOMATIC

PENGALAMATAN IP PADA CLIENT/PC

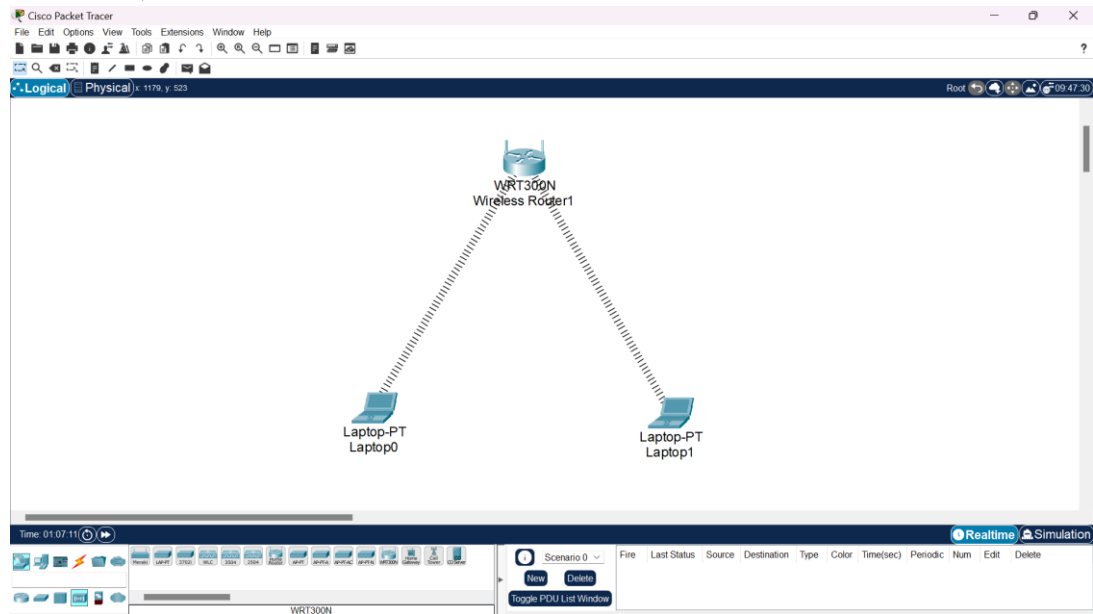
NO	CLIENT	IP ADDRESS	NETMASK	GATEWAY	DNS
1	PC0	192.168.1.21	255.255.255.0	192.168.1.1	192.168.1.1
2	PC1	192.168.1.22	255.255.255.0	192.168.1.1	192.168.1.1
3	PC2	192.168.1.23	255.255.255.0	192.168.1.1	192.168.1.1

DAFTAR IP CLIENT

<pre> Cisco Packet Tracer PC Command Line 1.0 C:\>ping 192.168.1.21 Pinging 192.168.1.21 with 32 bytes of data: Reply from 192.168.1.21: bytes=32 time<1ms TTL=128 Reply from 192.168.1.21: bytes=32 time<1ms TTL=128 Reply from 192.168.1.21: bytes=32 time<1ms TTL=128 Reply from 192.168.1.21: bytes=32 time<1ms TTL=128 Ping statistics for 192.168.1.21: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 1ms, Average = 0ms C:\>ping 192.168.1.23 Pinging 192.168.1.23 with 32 bytes of data: Reply from 192.168.1.23: bytes=32 time<1ms TTL=128 Reply from 192.168.1.23: bytes=32 time<1ms TTL=128 Reply from 192.168.1.23: bytes=32 time<1ms TTL=128 Reply from 192.168.1.23: bytes=32 time<1ms TTL=128 Ping statistics for 192.168.1.23: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 1ms, Average = 0ms </pre>	<pre> C:\>ping 192.168.1.22 Pinging 192.168.1.22 with 32 bytes of data: Reply from 192.168.1.22: bytes=32 time<1ms TTL=128 Reply from 192.168.1.22: bytes=32 time<1ms TTL=128 Reply from 192.168.1.22: bytes=32 time<1ms TTL=128 Reply from 192.168.1.22: bytes=32 time<1ms TTL=128 Ping statistics for 192.168.1.22: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 0ms, Average = 0ms C:\>ping 192.168.1.21 Pinging 192.168.1.21 with 32 bytes of data: Reply from 192.168.1.21: bytes=32 time=7ms TTL=128 Reply from 192.168.1.21: bytes=32 time<1ms TTL=128 Reply from 192.168.1.21: bytes=32 time<1ms TTL=128 Reply from 192.168.1.21: bytes=32 time<1ms TTL=128 Ping statistics for 192.168.1.21: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 0ms, Average = 3ms </pre>	<pre> Cisco Packet Tracer PC Command Line 1.0 C:\>ping 192.168.1.23 Pinging 192.168.1.23 with 32 bytes of data: Reply from 192.168.1.23: bytes=32 time<1ms TTL=128 Reply from 192.168.1.23: bytes=32 time=8ms TTL=128 Reply from 192.168.1.23: bytes=32 time=2ms TTL=128 Reply from 192.168.1.23: bytes=32 time=22ms TTL=128 Ping statistics for 192.168.1.23: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 22ms, Average = 6ms C:\>ping 192.168.1.22 Pinging 192.168.1.22 with 32 bytes of data: Reply from 192.168.1.22: bytes=32 time<1ms TTL=128 Reply from 192.168.1.22: bytes=32 time=11ms TTL=128 Reply from 192.168.1.22: bytes=32 time<1ms TTL=128 Reply from 192.168.1.22: bytes=32 time=1ms TTL=128 Ping statistics for 192.168.1.22: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds: Minimum = 0ms, Maximum = 11ms, Average = 3ms </pre>
---	--	--

NO	SUMBER	HASIL	TUJUAN	HASIL
		YA / TIDAK		YA / TIDAK
1	PC0	YA	PC1	YA
		YA	PC2	YA
2	PC1	YA	PC0	YA
		YA	PC2	YA
3	PC2	YA	PC0	YA
		YA	PC1	YA

LATIHAN



KONFIGURASI ACCESS POINT

Physical Config **GUI** Attributes

Wireless-N Broadband Router Firmware Version: v0.93.3

Setup	Setup	Wireless	Security	Access Restrictions	Applications & Gaming	Wireless-N Broadband Router	WRT300N
	Basic Setup	DDNS		MAC Address Clone		Administration	Status

Internet Setup

Internet Connection type: Automatic Configuration - DHCP

Optional Settings (required by some internet service providers):

Host Name:

Domain Name:

MTU: Size: 1500

Network Setup

Router IP: IP Address: 192 168 0 1

Subnet Mask: 255.255.255.0

DHCP Server Settings:

DHCP Server: ☒ Enabled ☐ Disabled DHCP Reservation

Start IP Address: 192.168.0. 100

Maximum number of Users: 50

IP Address Range: 192.168.0. 100 - 149

Client Lease Time: 0 minutes (0 means one day)

Static DNS 1: 0 0 0 0

Static DNS 2: 0 0 0 0

Static DNS 3: 0 0 0 0

WINS: 0 0 0 0

[Help...](#)

BASIC WIRELESS SETTINGS

Physical Config GUI Attributes

Wireless-N Broadband Router Firmware Version: v0.93.3

Wireless

Setup **Wireless** Security Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings **Wireless Security** Guest Network Wireless MAC Filter Advanced Wireless Settings

Wireless Security

Security Mode: WPA2 Personal ▾

Encryption: AES ▾

Passphrase: 12345678

Key Renewal: 3600 seconds

Help...

WIRELESS SECURITY

Physical Config GUI Attributes

Wireless-N Broadband Router Firmware Version: v0.93.3

Wireless

Setup Wireless **Security** Access Restrictions Applications & Gaming Administration Status

Basic Wireless Settings Wireless Security **Guest Network** Wireless MAC Filter Advanced Wireless Settings

Basic Wireless Settings

Network Mode: Mixed ▾

Network Name (SSID): LabJarkom

Radio Band: Auto ▾

Wide Channel: Auto ▾

Standard Channel: 1 - 2.412GHz ▾

SSID Broadcast: ☒ Enabled ☐ Disabled

Help...

KONFIGURASI LAPTOP 1

Laptop0

PhysicalConfigDesktopProgrammingAttributes

GLOBALSettingsAlgorithm SettingsINTERFACEWireless0Bluetooth

Wireless0

Port StatusOn

Bandwidth11 Mbps

MAC Address00D0.BCC2.CDD2

SSIDLabJarkom

Authentication

- ☐ Disabled
- ☐ WPA-PSK
- ☐ WPA
- ☐ 802.1X
- ☒ WEP
- ☒ WPA2-PSK
- ☐ WPA2

Method:

WEP Key

PSK Pass Phrase12345678

User ID

Password

MD5

User Name

Password

AES

Encryption Type

IP Configuration

- ☒ DHCP
- ☐ Static

IPv4 Address192.168.0.101

Subnet Mask255.255.255.0

IPv6 Configuration

- ☒ Automatic
- ☐ Static

IPv6 Address

Link Local Address: FE80::2D0:BCFF:FEC2:CDD2

KONFIGURASI LAPTOP 2

Laptop1

Physical **Config** Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

Bluetooth

Wireless0

Port Status ☒ On

Bandwidth 11 Mbps

MAC Address 00D0.D360.5B28

SSID LabJarkom

Authentication

☐ Disabled ☐ WEP ☒ WPA2-PSK ☐ WPA ☐ 802.1X

Method: WEP Key PSK Pass Phrase 12345678 User ID Password MD5 User Name

Encryption Type AES

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.0.102

Subnet Mask 255.255.255.0

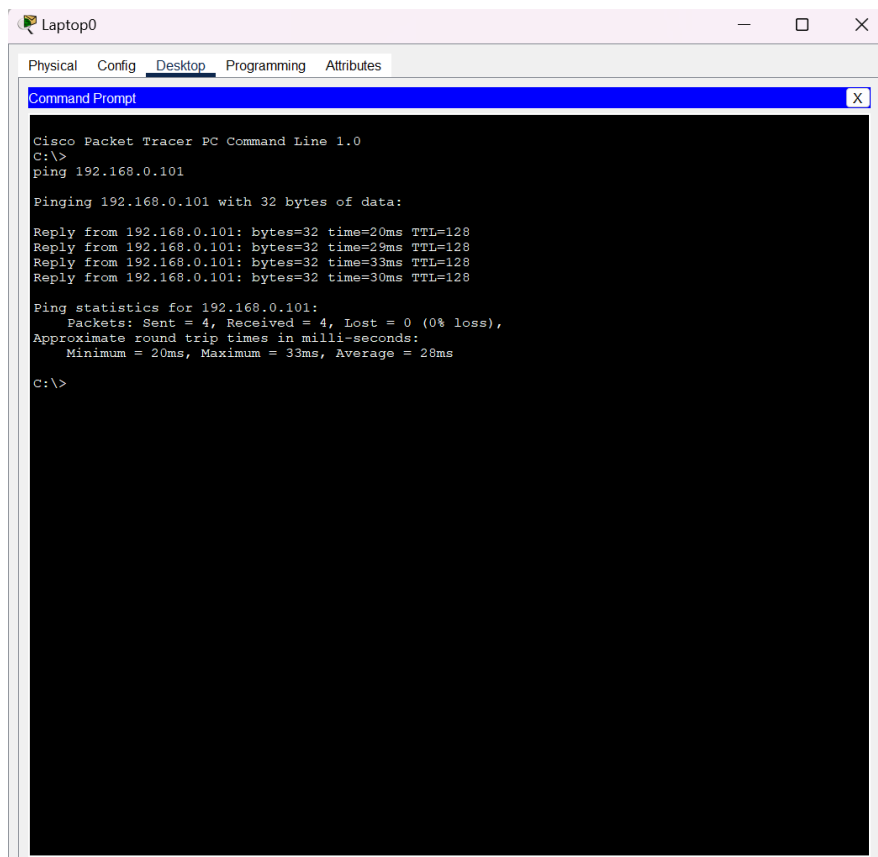
IPv6 Configuration

☒ Automatic ☐ Static

IPv6 Address /

Link Local Address: FE80::2D0:D3FF:FE60:5B28

PENGUJIAN PING



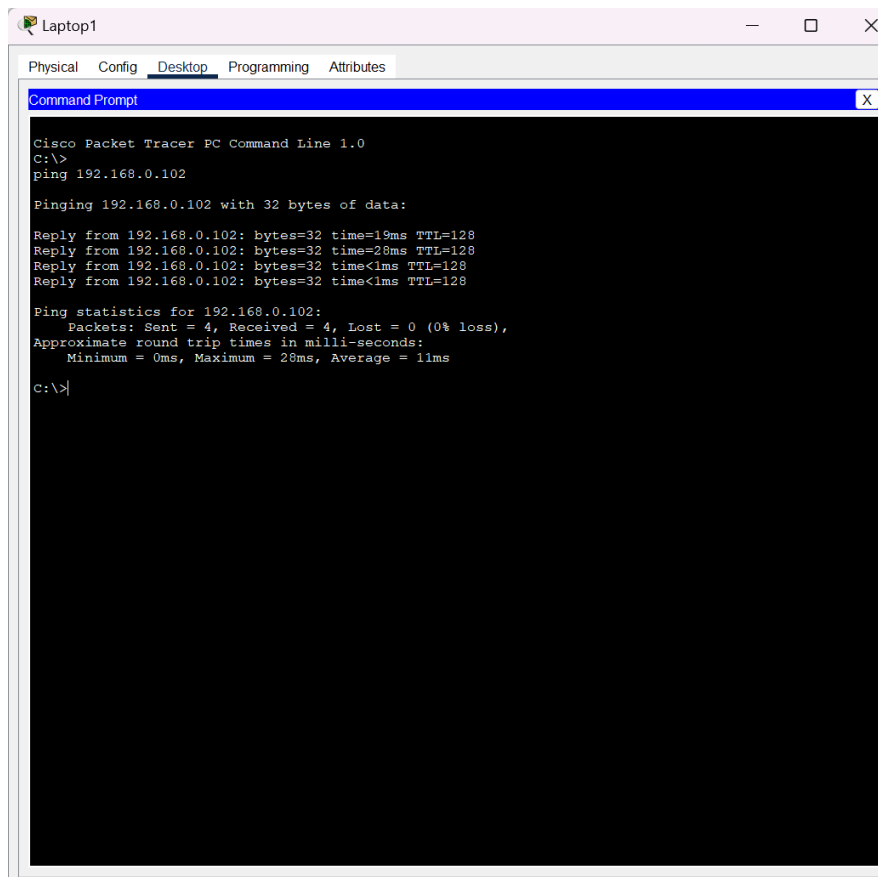
```
Cisco Packet Tracer PC Command Line 1.0
C:\>
ping 192.168.0.101

Pinging 192.168.0.101 with 32 bytes of data:

Reply from 192.168.0.101: bytes=32 time=20ms TTL=128
Reply from 192.168.0.101: bytes=32 time=29ms TTL=128
Reply from 192.168.0.101: bytes=32 time=33ms TTL=128
Reply from 192.168.0.101: bytes=32 time=30ms TTL=128

Ping statistics for 192.168.0.101:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 20ms, Maximum = 33ms, Average = 28ms

C:\>
```



```
Cisco Packet Tracer PC Command Line 1.0
C:\>
ping 192.168.0.102

Pinging 192.168.0.102 with 32 bytes of data:

Reply from 192.168.0.102: bytes=32 time=19ms TTL=128
Reply from 192.168.0.102: bytes=32 time=28ms TTL=128
Reply from 192.168.0.102: bytes=32 time<1ms TTL=128
Reply from 192.168.0.102: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.102:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 28ms, Average = 11ms

C:\>|
```