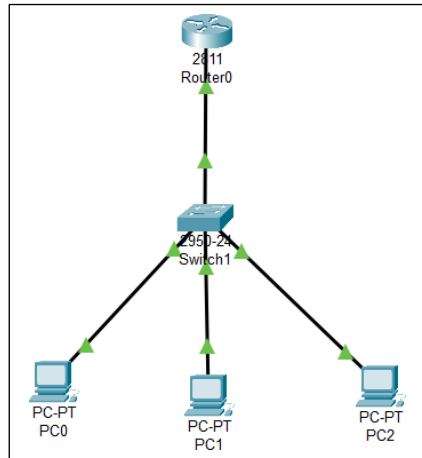


M. FAHRI RAMADHAN (09010182327006)

1. Buat Topologi.
2. Pasang Kabel Copper Straight dari PC ke Switch terhubung.

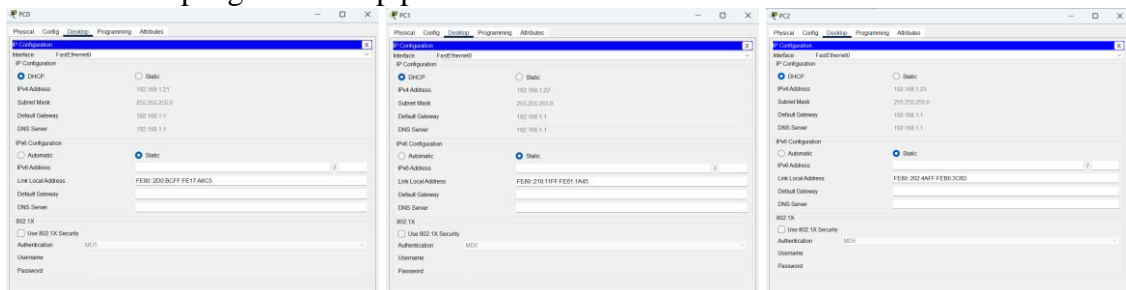


```

09010282327034_DHCP#sh ip dhcp binding
IP address      Client-ID/      Lease expiration    Type
                Hardware address
192.168.1.21    0001.43ED.0A56   --                  Automatic
192.168.1.22    0007.EC23.7E39   --                  Automatic
192.168.1.23    0060.3E3B.EA8A   --                  Automatic
09010282327034_DHCP#
  
```

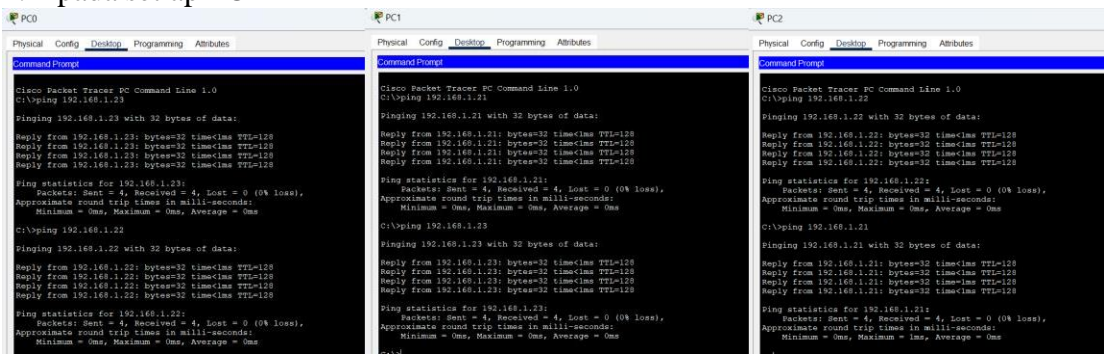
No	IP Address	MAC Address	Lease Expiration	Type
1	192.168.1.21	00D0.BC17.A6C5	-	Automatic
2	192.168.1.22	0010.1161.1A45	-	Automatic
3	192.168.1.23	0002.4AB0.3C6D	-	Automatic

1. Melakukan pengalamatan ip pada Client/PC



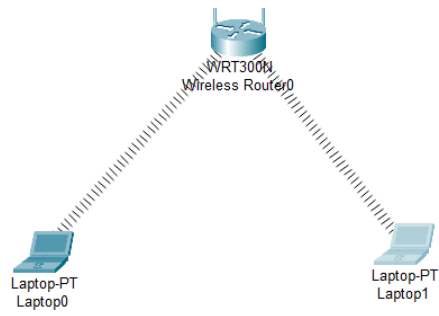
No	Client	IP Address	Netmask	Gateway	DNS
1	PC1	192.168.1.21	255.255.255.0	192.168.1.1	192.168.1.1
2	PC2	192.168.1.22	255.255.255.0	192.168.1.1	192.168.1.1
3	PC3	192.168.1.23	255.255.255.0	192.168.1.1	192.168.1.1

2. pada setiap PC



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

B. PERCOBAAN WIRELESS



Wireless Router0

Physical Config **GUI** Attributes

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

Basic Setup DDNS MAC Address Clone Advanced

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

Start IP Address: 192.168.0. 100

Maximum number of Users: 50

IP Address Range: 192.168.0. 100 - 149

DHCP Reservation

Wireless Router0

Physical Config **GUI** Attributes

Wireless Setup Wireless Security Access Restrictions Applications & Gaming Administration

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

Wireless Router0

Physical Config **GUI** Attributes

Wireless-N Broadband Router

Wireless Setup Wireless Security Access Restrictions Applications & Gaming Administration

Wireless Security

Security Mode: WPA2 Personal

Encryption: AES

Passphrase: 12345678

Key Renewal: 3600 seconds

Help

Laptop0

Physical Config Desktop Programming Attributes

GLOBAL
Settings
Algorithm Settings
INTERFACE
Wireless0
Bluetooth

Wireless0

Port Status ☒ On

Bandwidth 300 Mbps

MAC Address 00D0 FF15 2273

SSID LabJarkom

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

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

IP Configuration
☒ DHCP ☐ Static
IPv4 Address 192.168.0.100
Subnet Mask 255.255.255.0

IPv6 Configuration
☒ Automatic ☐ Static
IPv6 Address
Link Local Address: FE80::2D0:FFFF:FE15:2273

Laptop1

Physical Config Desktop Programming Attributes

GLOBAL
Settings
Algorithm Settings
INTERFACE
Wireless0
Bluetooth

Wireless0

Port Status ☒ On

Bandwidth 300 Mbps

MAC Address 00E0 F9B3 1AC9

SSID LabJarkom

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

WEP Key
PSK Pass Phrase 12345678
User ID
Password
Method: MD5
User Name
Password
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::2E0:F9FF:FEB3:1AC9

Laptop0

Physical Config Desktop Programming Attributes

Command Prompt

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

C:\>ping 192.168.0.1

Pinging 192.168.0.1 with 32 bytes of data:

Reply from 192.168.0.1: bytes=32 time=29ms TTL=255
Reply from 192.168.0.1: bytes=32 time=14ms TTL=255
Reply from 192.168.0.1: bytes=32 time=15ms TTL=255
Reply from 192.168.0.1: bytes=32 time=37ms TTL=255

Ping statistics for 192.168.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 14ms, Maximum = 37ms, Average = 23ms

C:\>192.168.0.102
Invalid Command.

C:\>192.168.0.101
Invalid Command.

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=21ms TTL=128
Reply from 192.168.0.102: bytes=32 time=19ms TTL=128
Reply from 192.168.0.102: bytes=32 time=25ms TTL=128
Reply from 192.168.0.102: bytes=32 time=18ms 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 = 18ms, Maximum = 25ms, Average = 20ms

C:\>
```

☐ Top