

# **LAPORAN HASIL PRAKTIKUM INTERNET DAN APLIKASINYA**

**Wireless (fisik)**

**Dosen Pengampu :**

**Puspaningtyas Sanjoyo Adi S.T., M.T.**



Oleh

Nama : \_\_\_\_\_

NIM : \_\_\_\_\_

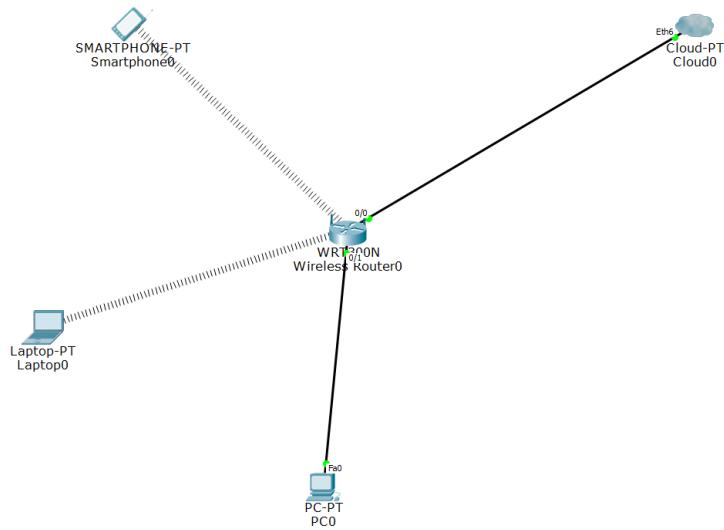
Kelas : \_\_\_\_\_

**PROGRAM STUDI INFORMATIKA  
FAKULTAS SAINS DAN TEKNOLOGI  
UNIVERSITAS SANATA DHARMA  
YOGYAKARTA**

**2024**

\*Menggunakan Cisco

## A. Screenshot Topologi



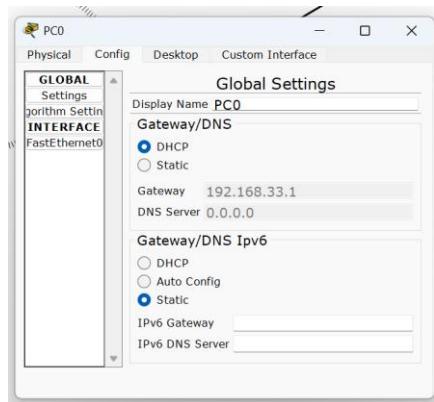
## B. Screenshot Konfigurasi (Laptop, Smartphone, PC)

**Smartphone0 Configuration:**

GLOBAL	
Settings	Display Name: Smartphone0
Algorithm Settings	Interfaces: Wireless0
INTERFACE	
Wireless0	Gateway/DNS: DHCP
3G/4G Cell1	Gateway: 192.168.33.1
	DNS Server: 0.0.0.0
Gateway/DNS Ipv6	
	DHCP
	Auto Config
	Static
	IPv6 Gateway:
	IPv6 DNS Server:

**Laptop0 Configuration:**

GLOBAL	
Settings	Display Name: Laptop0
Algorithm Settings	Interfaces: Wireless0
INTERFACE	
Wireless0	Gateway/DNS: DHCP
	Static
	Gateway: 192.168.33.1
	DNS Server: 0.0.0.0
Gateway/DNS Ipv6	
	DHCP
	Auto Config
	Static
	IPv6 Gateway:
	IPv6 DNS Server:



### C. ScreenShot DHCP sukses

SmartPhone0 – PC0

```
Packet Tracer PC Command Line 1.0
PC>192.168.33.101
Invalid Command.

PC>ping 192.168.33.101
Pinging 192.168.33.101 with 32 bytes of data:
Reply from 192.168.33.101: bytes=32 time=17ms TTL=128
Reply from 192.168.33.101: bytes=32 time=12ms TTL=128
Reply from 192.168.33.101: bytes=32 time=12ms TTL=128
Reply from 192.168.33.101: bytes=32 time=34ms TTL=128

Ping statistics for 192.168.33.101:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 12ms, Maximum = 34ms, Average = 18ms
PC>
```

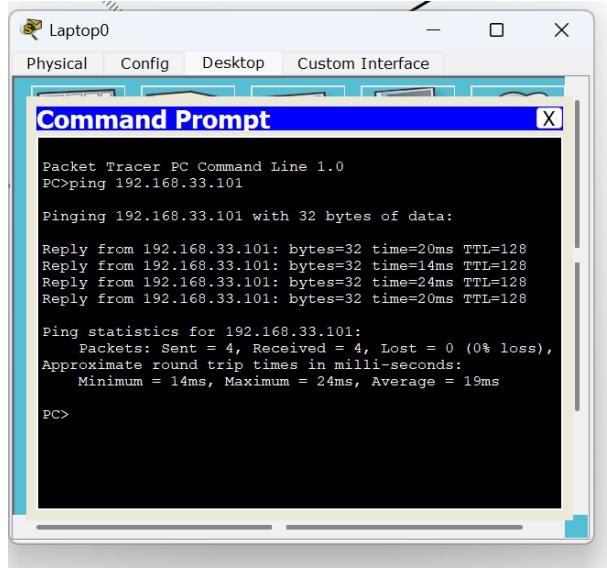
SmartPhone0 – Labtop 0

```
Ping statistics for 192.168.33.101:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 12ms, Maximum = 34ms, Average = 18ms

PC>ping 192.168.33.102
Pinging 192.168.33.102 with 32 bytes of data:
Reply from 192.168.33.102: bytes=32 time=37ms TTL=128
Reply from 192.168.33.102: bytes=32 time=22ms TTL=128
Reply from 192.168.33.102: bytes=32 time=23ms TTL=128
Reply from 192.168.33.102: bytes=32 time=21ms TTL=128

Ping statistics for 192.168.33.102:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 21ms, Maximum = 37ms, Average = 25ms
PC>
```

## PC0 – Laptop0



\*Menggunakan router fisik

## D. Screenshot IP PC (setelah tersambung ke router)

A screenshot of a terminal window titled "jarkom@jarkom-C00: ~". The window displays the output of the "ifconfig" command, showing statistics for various network interfaces. The output is as follows:

```
eth0      Link encap:Ethernet HWaddr 00:00:00:00:00:00
          inet addr:192.168.122.1 Bcast:192.168.122.255 Mask:255.255.255.0
          inet6 addr: fe80::0:0:0:1/64 Scope:Link
          UP BROADCAST MULTICAST MTU:1500 Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

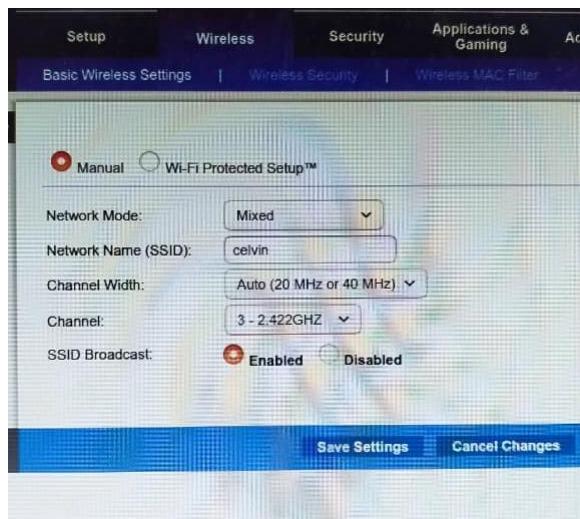
virbr0    Link encap:Ethernet HWaddr 00:00:00:00:00:00
          inet addr:192.168.122.1 Bcast:192.168.122.255 Mask:255.255.255.0
          UP BROADCAST MULTICAST MTU:1500 Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

vmnet1    Link encap:Ethernet HWaddr 00:50:56:c0:00:01
          inet addr:192.168.10.1 Bcast:192.168.10.255 Mask:255.255.255.0
          inet6 addr: fe80::250:56ff:fec0:1/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

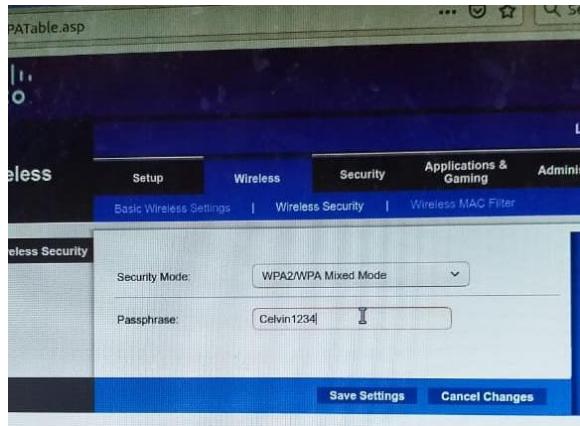
vmnet8    Link encap:Ethernet HWaddr 00:50:56:c0:00:08
          inet addr:192.168.10.1 Bcast:192.168.10.255 Mask:255.255.255.0
          inet6 addr: fe80::250:56ff:fec0:8/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

wlp3s0    Link encap:Ethernet HWaddr b8:ee:0e:42:14:63
          inet addr:192.168.0.4 Bcast:192.168.0.255 Mask:255.255.255.0
          inet6 addr: fe80::b8ee:ff:fe42:1463/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
          RX packets:112 errors:0 dropped:0 overruns:0 frame:0
          TX packets:173 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:28651 (28.6 KB) TX bytes:22831 (22.6 KB)
```

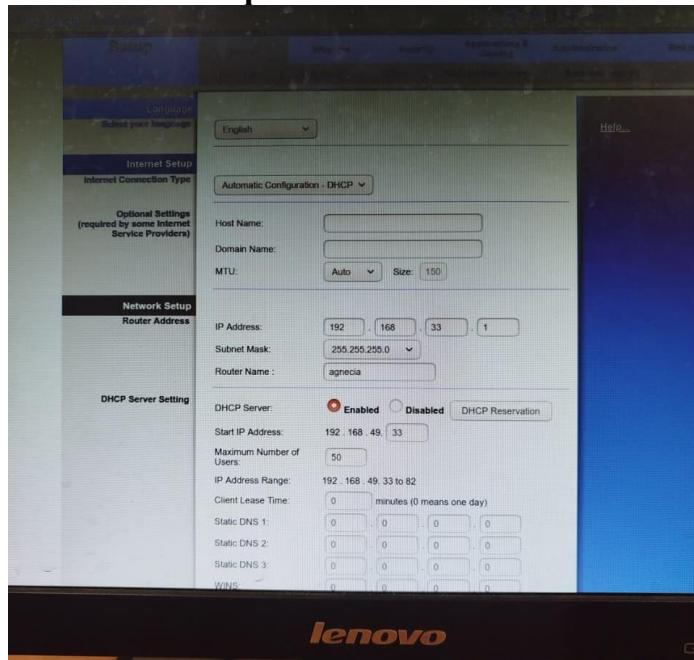
## E. Screenshot SSID



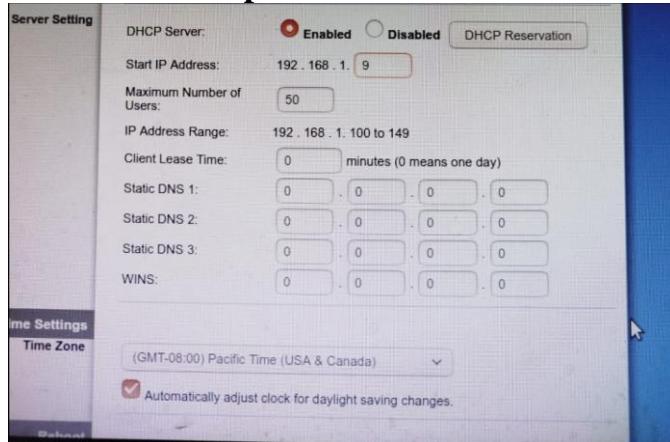
## F. Screenshot Password



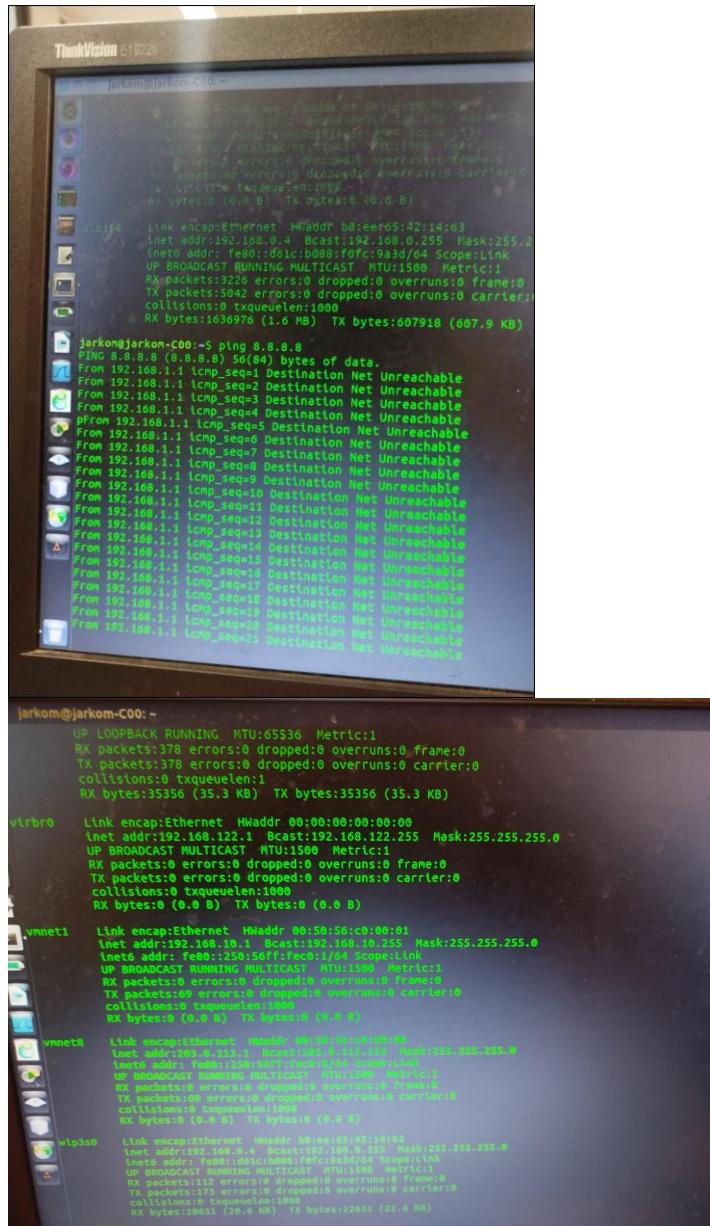
## G. Screenshot Setup LAN



## H. Screenshot Setup WAN



## I. Screenshot Enable NAT



## J. Screenshot Bukti Tersambung Internet

