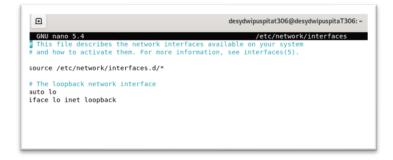
## Laporan Hasil Tugas Praktikum:

1. Buka CMD pada windows kemudian ketik "ipconfig /all"

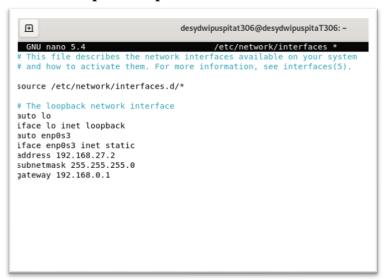
**Penjelasan :** tujuan kita membuka ini adalah untuk melihat ip pada laptop yang nantinya dibutuhkan untuk dimasukkan ke debian

2. Ketikkan "nano/etc/network/interfaces"

**Penjelasan :** Selanjutnya adalah memberikan IP pada Debian, caranya adalah masuk ke root kemudian ketikkan "nano /etc/network/interfaces". Kemudian enter **Hasil setelah dienter :** 



## 3. Memasukan ip addres pada debian

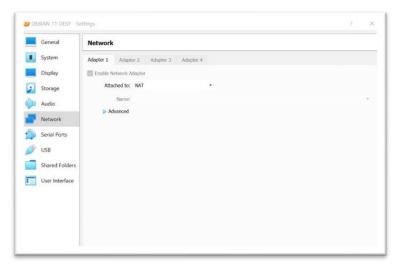


**Penjelasan :** Jika sudah di enter, lalu ketikkan auto enp0s3, iface enp0s3 inet static, address (seperti IP pada windows tetapi octet keempat diganti bebas), subnetmask, dan gateway seperti contoh gambar diatas. Kemudian ctrl+x setelah simpan.

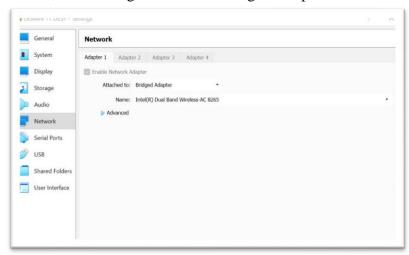
## 4. "systemctl restart networking"

**Penjelasan :** Ketikkan "systemctl restart networking" setelah memasukkan ip address pada Debian.

### 5. Klik Machine



**Penjelasan :** Klik machine pada bagian kiri atas kemudian pilih setting lalu pilih network, kemudian ganti NAT ke Bridged Adapter. Lalu klik ok



### 6. "systemctl restart networking"

**Penjelasan :** jika sudah mengganti network dari NAT di machine kemudian restart lagi dengan mengetikkan "systemctl reatart networking"

# 7. "ip -c a"

```
                                                                        Q
                         desydwipuspitat306@desydwipuspitaT306: ~
root@desydwipuspitaT306:/home/desydwipuspitat306#
root@desydwipuspitaT306:/home/desydwipuspitat306#
root@desydwipuspitaT306:/home/desydwipuspitat306#
root@desydwipuspitaT306:/home/desydwipuspitat306#
root@desydwipuspitaT306:/home/desydwipuspitat306#
root@desydwipuspitaT306:/home/desydwipuspitat306# systemctl restart networking
root@desydwipuspitaT306:/home/desydwipuspitat306# systemctl restart networking
root@desydwipuspitaT306:/home/desydwipuspitat306# systemctl restart networking
root@desydwipuspitaT306:/home/desydwipuspitat306# ip -c a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group defaul
t glen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER UP> mtu 1500 qdisc pfifo fast state UP
group default glen 1000
    link/ether 08:00:27:57:c0:a3 brd ff:ff:ff:ff:ff
   inet 192.168.0.110/24 brd 192.168.0.255 scope global enp0s3
       valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe57:c0a3/64 scope link
       valid_lft forever preferred_lft forever
root@desydwipuspitaT306:/home/desydwipuspitat306#
```

**Penjelasan:** jika sudah kembali ke root, kemudian ketikkan "ip -c a" untuk melihat apakah ip kita sudah terubah setelah kita restart tadi. Jika sudah terubah maka sudah berhasil, lalu sebaliknya apabila belum maka perlu mengecek ip kita lalu melakukan restart networking kembali.

# 8. Ping (ip windows)

```
desydwipuspitat306@desydwipuspitat306:~

| Oot@desydwipuspitat306:/home/desydwipuspitat306# nano /etc/network/interfaces root@desydwipuspitat306:/home/desydwipuspitat306# systemctl restart networking root@desydwipuspitat306:/home/desydwipuspitat306# systemctl restart networking root@desydwipuspitat306:/home/desydwipuspitat306# ip - c a l: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000 link/loopback 00:00:00:00:00:00 root@oo:00:00:00 root@oo:00:00 root@oo:00 root@oo:00:00 root@oo:00 root@oo:00
```

**Penjelasan:** jika langkah sebelumnya sudah berhasil, sekarang ping ke windows dengan cara mengetikkan "ping (ip windows)", lalu enter

#### Hasil setelah dienter:

```
desydwipuspitat306@desydwipuspitat306:~

Q = x

Toot@desydwipuspitat306:/home/desydwipuspitat306# systemctl restart networking
Toot@desydwipuspitat306:/home/desydwipuspitat306# ip -c a

: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00 btd 00:00:00:00:00
inet 127.0.0.1/8 scope host lo
valid lft forever preferred_lft forever
inet6 ::1/128 scope host
valid lft forever preferred_lft forever
:: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP group default qlen 10
link/ether 08:00:27:57:c0:a3 brd ff:ff:ff:ff:ff
inet 192.168.27.2/24 brd 192.168.27.255 scope global enp0s3
valid lft forever preferred_lft forever
inet 192.168.0.113/24 brd 192.168.0.255 scope global dynamic noprefixroute enp0s3
valid lft 86091sec preferred_lft 86091sec
Toot@desydwipuspitat306:/home/desydwipuspitat306# nano /etc/network/interfaces
Toot@desydwipuspitat306:/home/desydwipuspitat306# pi - ca
.: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00:00
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00:00
link/loopback 00:00:00:00:00:00:00 brd 00:00:00:00:00:00:00
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link/loopback 00:00:00:00:00:00:00
link/loopback 00:00:00:00:00:00:00:00
link/loopback 00:00:00:00:00:00:00
link/loopback 00:00:00
```

# 9. Ping ip (Debian) pada cmd

```
C:\Users\Dany>ping 192.168.0.110

Pinging 192.168.0.110 with 32 bytes of data:
Reply from 192.168.0.110: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.0.110:

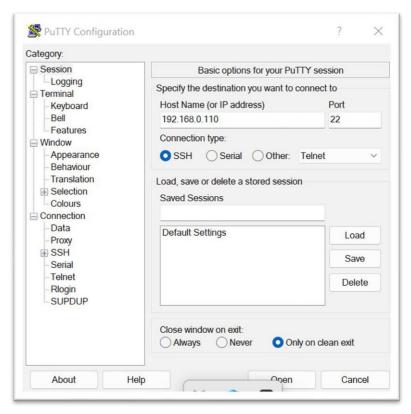
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Dany>
```

**Penjelasan:** jika sudah ping pada Debian selanjutnya lakukan ping ip Debian pada cmd dengan cara mengetikkan "ping (ip Debian)", lalu enter kemudian akan muncul hasil seperti gambar diatas.

### 10. Memasukkan ip Debian pada aplikasi Putty



**Penjelasan :** Download dan install aplikasi putty kemudian buka. Lalu isi host name dengan masukkan ip Debian pada seperti gambar diatas, ingat masukkan ip Debian bukan ip windows. Klik open

## 11. Masukkan username dan password debian



**Penjelasan :** Jika sudah memasukkan ip Debian pada putty kemudian muncul tampilan seperti gambar diatas, lalu ketikkan username kemudian password Debian. Jika sudah ketikkan "su" kemudian masukkan password root debian **Tampilan selanjutnya :** 

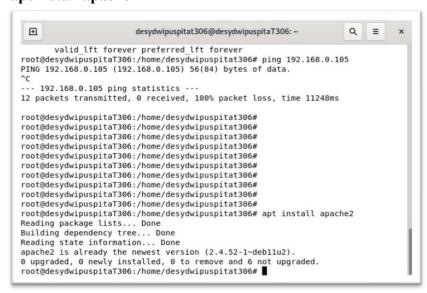
```
desydwipuspitat306@desydwipuspitat306:~

login as: desydwipuspitat306e192.168.0.110's password:
inux desydwipuspitat306 5.10.0-11-amd64 #1 SMP Debian 5.10.92-1 (2022-01-18) x
_64

he programs included with the Debian GNU/Linux system are free software;
he exact distribution terms for each program are described in the
ndividual files in /usr/share/doc/*/copyright.

sbian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
ermitted by applicable law.
esydwipuspitat306@desydwipuspitaT306:~$ su
assword:
cot@desydwipuspitaT306:/home/desydwipuspitat306# []
```

# 12. "apt install apache2"



**Penjelasan :** kembali ke root Debian kemudian ketikkan "apt install apache2" untuk menginstal apache, lalu enter maka akan muncul tampilan seperti diatas.

### 13. "systemctl status apache2"

```
Processing triggers for man-db (2.9.4-2) ...

Processing triggers for man-db (2.9.4-2) ...

rootedesydwipuspitaT306:/home/desydwipuspitaT306# systemctl status apache2

**Papache2.service - The Apache HTTP Server

Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)

Active: active (running) since Tue 2022-03-08 08:23:10 WIB; 2min 22s ago

Docs: https://httpd.apache.org/docs/2.4/

Main PID: 3566 (apache2)

Tasks: 55 (limit: 1117)

Memory: 10.0M

CPU: 50ms

CGroup: /system.slice/apache2.service

-3366 /usr/sbin/apache2 - k start

-3570 /usr/sbin/apache2 - k start

-3570 /usr/sbin/apache2 - k start

-3570 /usr/sbin/apache2 - k start

**Var 08 08:23:10 desydwipuspitaT306 systemd[1]: Started The Apache HTTP Server.

rootedesydwipuspitaT306:/home/desydwipuspitaT306# systemctl status apache2

**Papache2.service - The Apache HTTP Server

Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)

Active: active (running) since Tue 2022-03-08 08:23:10 WIB; 3min 6s ago

Docs: https://httpd.apache.org/docs/2.4/

Main PID: 3566 (apache2)

Tasks: 55 (limit: 1117)

Memory: 10.0M

CPU: 53ms

CGroup: /system.slice/apache2.service

-3366 /usr/sbin/apache2 - k start

-3570 /usr/sbin/apache2 - k start

-3571 /usr/sbin/apache2 - k start

-3570 /usr/sbin/apache2 - k start

-3571 /usr/sbin/apache2 - k start

-3570 /usr/sbin/apache2 - k start

-3571 /usr/sbin/apache2 - k start

-3570 /usr/sbin/apache2 - k start

-3570 /usr/sbin/apache2 - k start

-3571 /usr/sbin/apache2 - k start

-3570 /usr/sbin/apache2 - k start

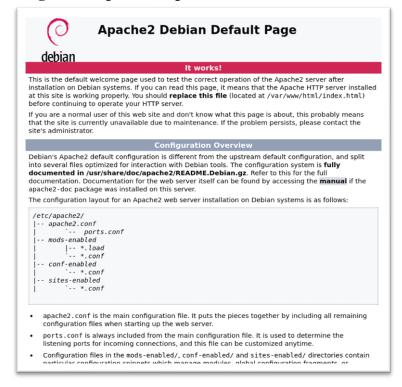
-3570 /usr/sbin/apache2 - k start

-3571 /usr/sbin/apache2 - k start

-3570 /usr/s
```

**Penjelasan:** setelah menginstal apache, Langkah selanjutnya yaitu mengecek status apache dengan mengetikkan "systemctl status apache2" kemudian enter, jika berhasilmaka akan muncul tampilan active (running) berwarna hijau seperti di atas

## 14. Mengetikkan ip address pada mozila firefox Debian



**Penjelasan:** jika tadi sudah mengaktifkan apache2 sekarang buka mozila firefox laluketikkan ip Debian. Kemudian enter, maka tampilan akan berubah seperti gambar di atas.