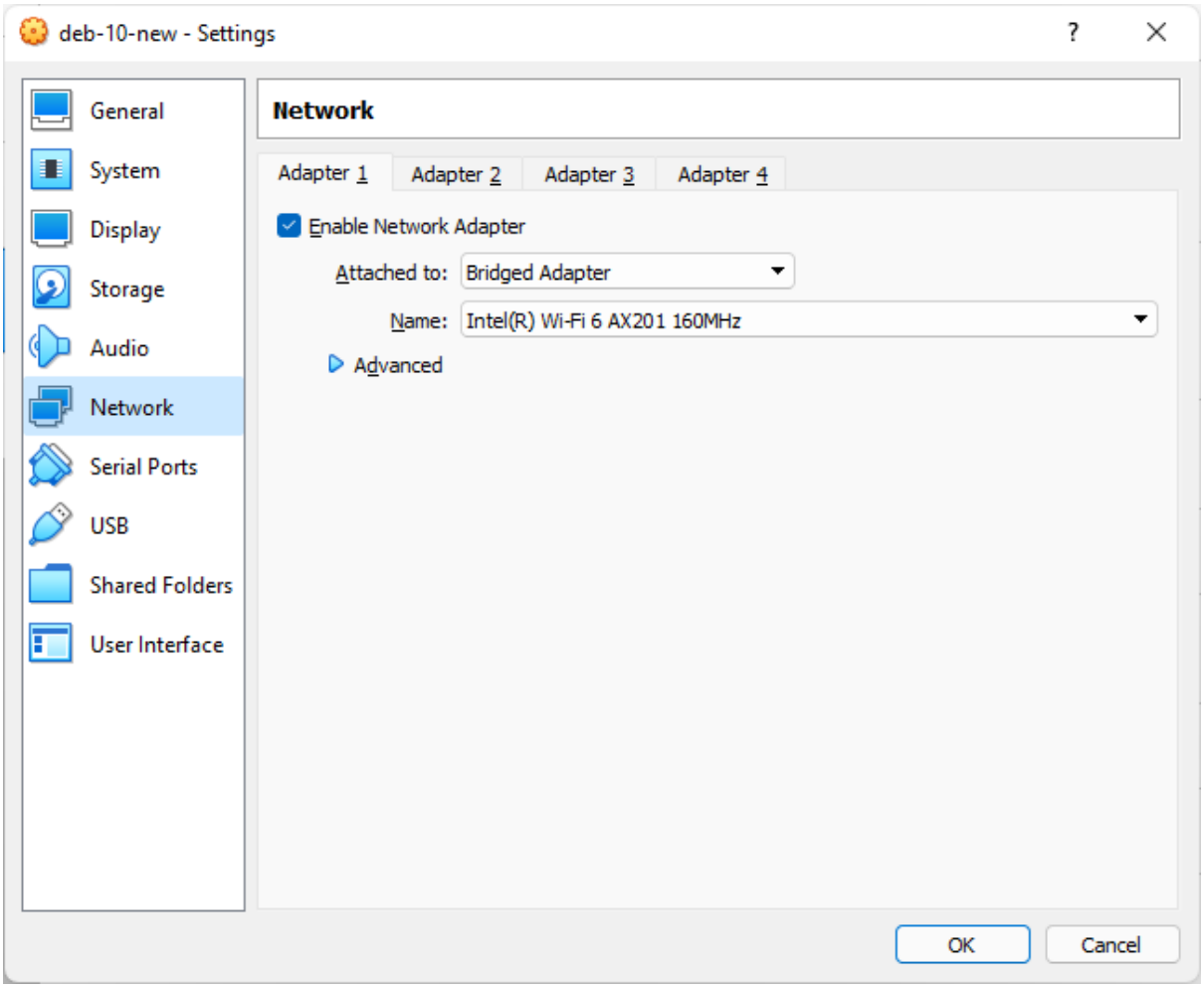
KONFIGURASI IP (NETWORK)

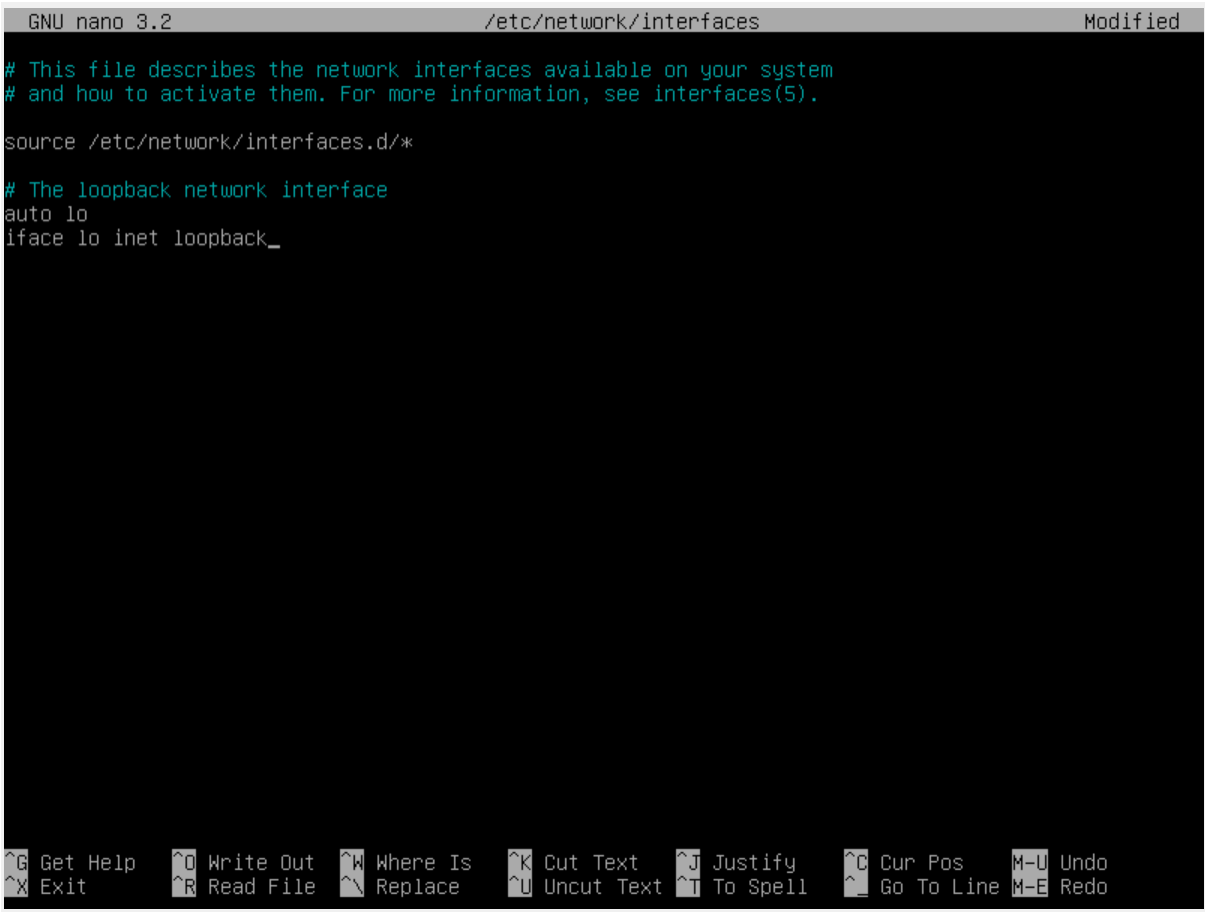
LANGKA-LANGKAH KONFIGURASI IP

1. Setting network pada virtual machine, klik Setting pada virtual machine Debian 10
2. Pilih menu Network
3. Pada adapter 1, Centang Enable Network kemudian pilih Attach to : Bridge Adapter
4. Klik OK



5. Nyalakan virtual machine Debian 10
6. Login sesuai dengan user dan password yang diberikan sebagai Super User / Root
7. Setelah login, ketik nano /etc/network/interface

8. Tampilan interface akan seperti dibawah ini



9. Tambahkan perintah seperti dibawah ini

```
#IP Komputer
auto enp0s3
iface enp0s3 inet static
address 192.168.100.1
netmask 255.255.255.0
```

```
  GNU nano 3.2                    /etc/network/interfaces                    Modified

# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

#IP Komputer
auto enp0s3
iface enp0s3 inet static
address 192.168.100.1
netmask 255.255.255.0

^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justify  ^C Cur Pos  M-U Undo
^X Exit      ^R Read File  ^\ Replace   ^U Uncut Text ^T To Spell ^_ Go To Line M-E Redo
```

10. Setelah itu simpan pengaturan interfaces dengan cara menekan tombol **Ctrl + X** kemudian **Enter**
11. Langkah selanjutnya adalah merestart pengaturan interfaces anda dengan menjalankan perintah: **service networking restart** atau **/etc/init.d/networking restart**

```
root@debian:~# /etc/init.d/networking restart_
```

12. Untuk mengecek apakah IP address sudah berubah sesuai yang kita setting, jalankan perintah **ip a**.
    Seperti pada gambar dibawah ini, IP address sudah terdeteksi dan berhasil diubah.

```
root@debian:~# /etc/init.d/networking restart
[ ok ] Restarting networking (via systemctl): networking.service.
root@debian:~# ip a
1: 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
    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: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast state DOWN group default ql
en 1000
    link/ether 08:00:27:7a:b8:dc brd ff:ff:ff:ff:ff:ff
    inet 192.168.100.1/24 brd 192.168.100.255 scope global enp0s3
       valid_lft forever preferred_lft forever
root@debian:~#
```

13. Modifikasi untuk membuat IP lainnya.

```
  GNU nano 3.2                        /etc/network/interfaces

# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

#IP Komputer
auto enp0s3
iface enp0s3 inet static
address 192.168.100.1
netmask 255.255.255.0

#IP mail
auto enp0s3:0
iface enp0s3:0 inet static
address 192.168.20.1
netmask 255.255.255.0

#IP Database
auto enp0s3:1
iface enp0s3:1 inet static
address 192.168.50.1
netmask 255.255.255.0




                              [ Read 26 lines ]
^G Get Help   ^O Write Out  ^W Where Is   ^K Cut Text   ^J Justify    ^C Cur Pos    M-U Undo
^X Exit       ^R Read File  ^\ Replace    ^U Uncut Text ^T To Spell   ^_ Go To Line M-E Redo
```

Hasilnya sebagai berikut

```
root@debian:~# ip a
1: 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
    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 qlen 1
000
    link/ether 08:00:27:7a:b8:dc brd ff:ff:ff:ff:ff:ff
    inet 192.168.100.1/24 brd 192.168.100.255 scope global enp0s3
       valid_lft forever preferred_lft forever
    inet 192.168.20.1/24 brd 192.168.20.255 scope global enp0s3:0
       valid_lft forever preferred_lft forever
    inet 192.168.50.1/24 brd 192.168.50.255 scope global enp0s3:1
       valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe7a:b8dc/64 scope link
       valid_lft forever preferred_lft forever
root@debian:~#
```