

**TUGAS PENGANTAR TELEKOMUNIKASI**  
**UBUNTU SERVER WITH HTML BY PUTTY (SSH)**



**DISUSUN OLEH:**

**NAMA : RAHMADINA MAULIA UTAMI**

**NIM : 09011182025003**

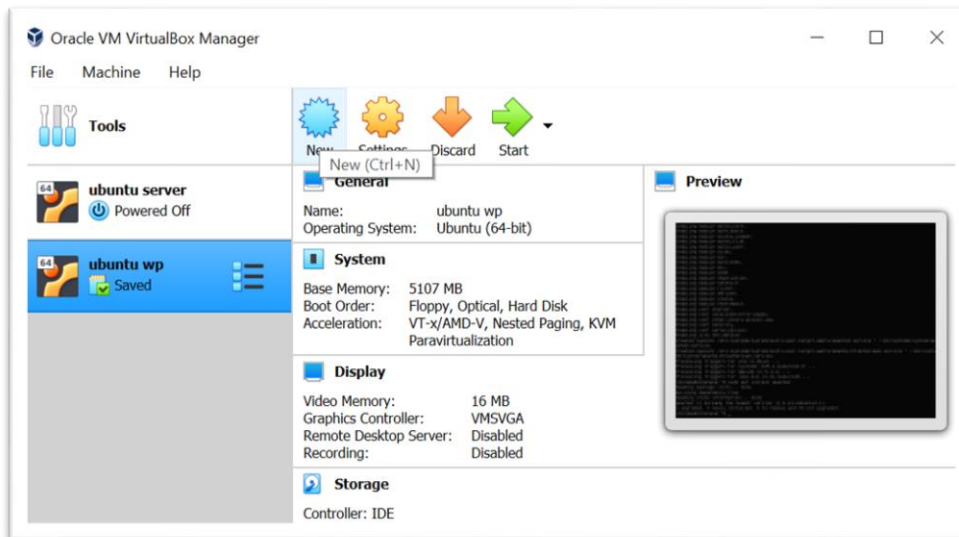
**KELAS : SK1A INDRALAYA**

**DOSEN PEMBIMBING: ADI HERMANSYAH, M.T.**

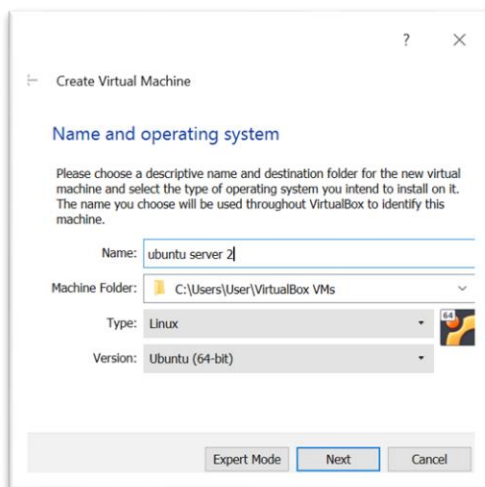
**JURUSAN SISTEM KOMPUTER**  
**FAKULTAS ILMU KOMPUTER**  
**UNIVERSITAS SRIWIJAYA**

# TUTORIAL

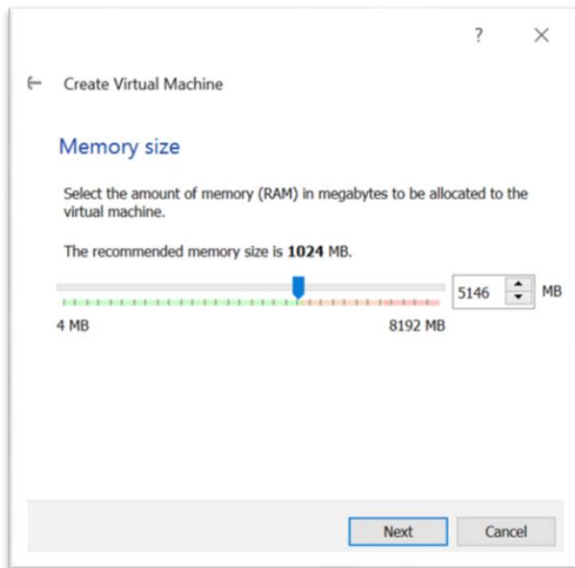
1. Pastikan terlebih dahulu anda mempunyai aplikasi Ubuntu server 20.04 dan dapat anda download di Ubuntu.com
2. Selanjutnya, Buka virtual box. Tampilannya akan seperti ini



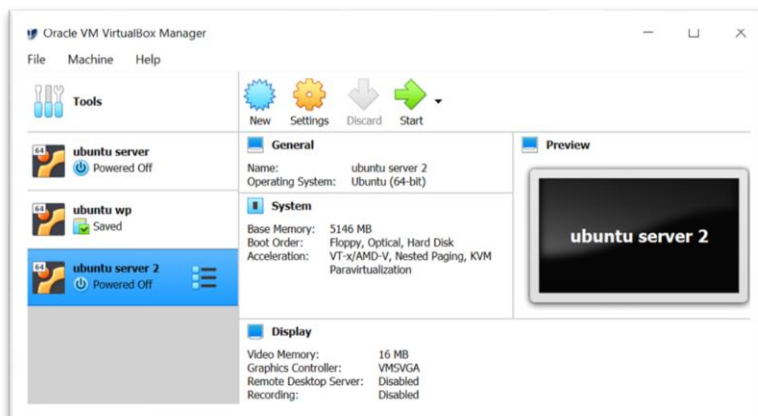
3. Klik “New” pada virtual box, lalu akan muncul create virtual machine, buat nama lalu klik next.



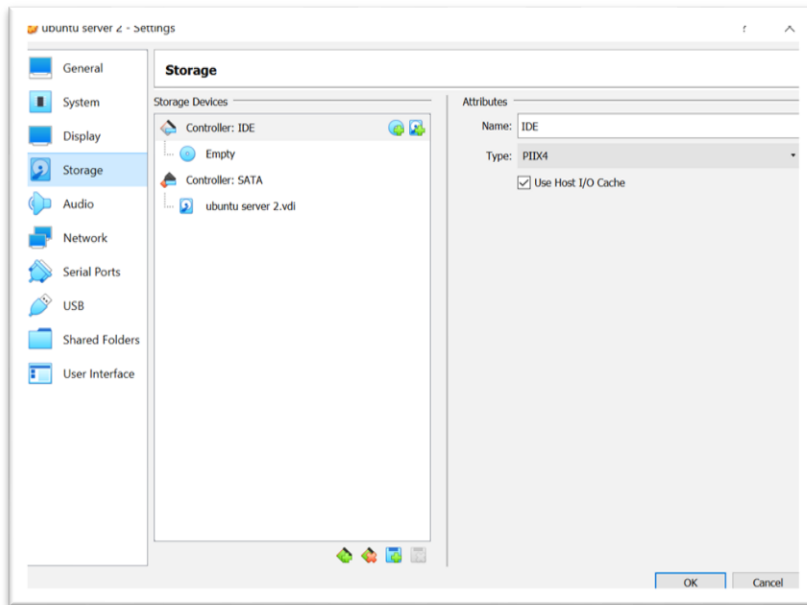
4. Kemudian akan muncul memory size. Disini saya geser pita biru sampai ke 5146 MB. Lalu klik next.



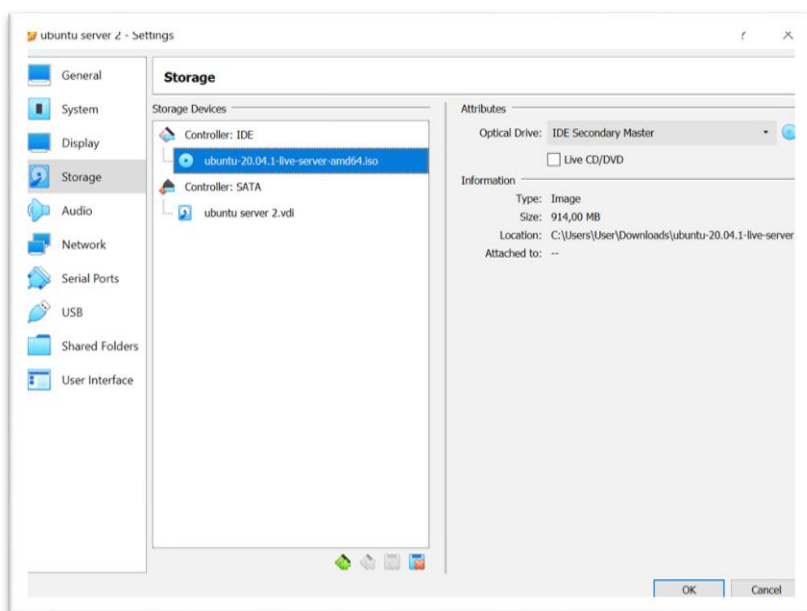
5. Akan muncul jendela hard disk, yang ini next saja lalu klik “create”
6. Virtual machine yang akan digunakan untuk visualisasi Ubuntu telah jadi



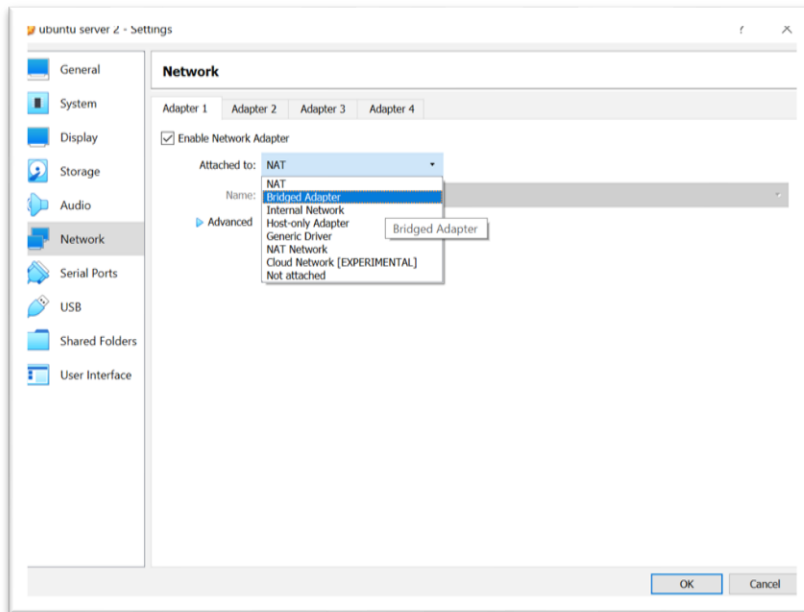
7. Klik setting lalu storage



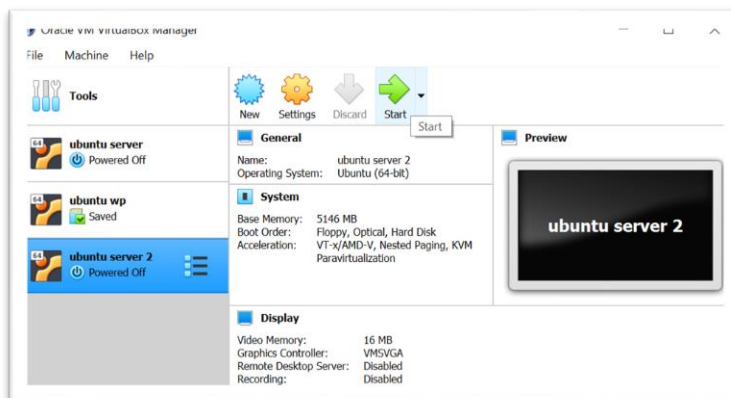
8. Pada bagian kanan tepatnya ada gambar disk yang ada tulisan “empty” diklik lalu diganti dengan Ubuntu



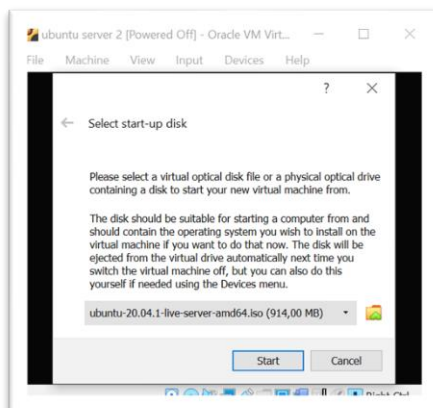
9. Lalu masuk lagi ke setting network. Di bagian sebelah kanan, ubah “NAT” menjadi “Bridged Adapter” lalu klik OK.



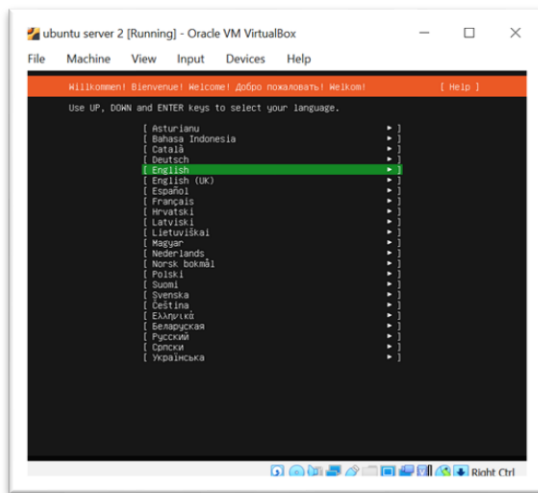
10. Klik START



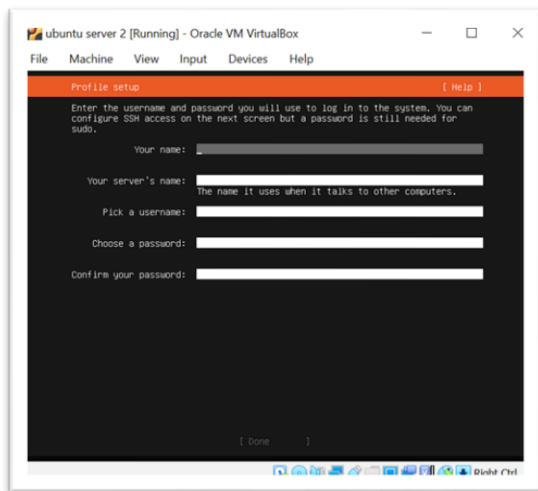
11. Lalu akan muncul jendela seperti gambar dibawah. Klik Start, lalu tunggu saja



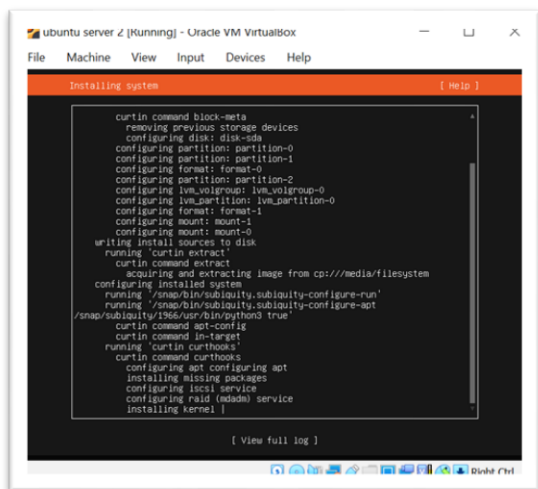
12. Pilih bahasa, disini saya memilih “English”. Lalu klik continue dan done sampai selesai.



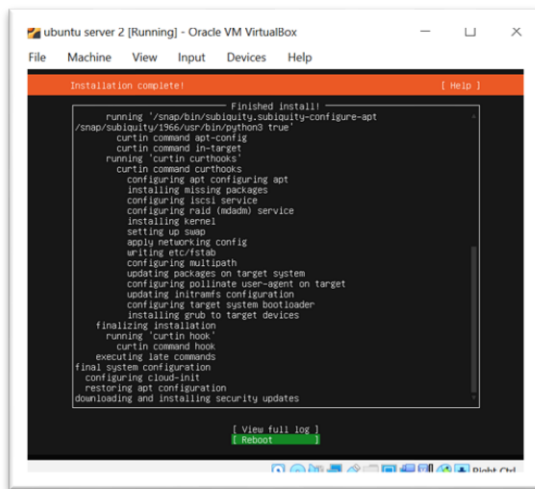
13. Isi profile setup lalu klik done sampai memproses



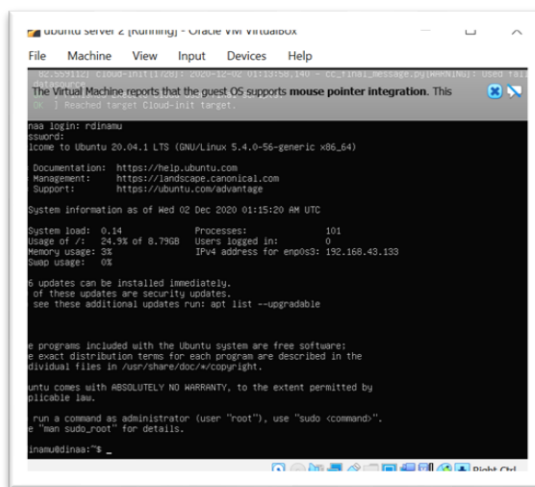
14. Proses instalasi



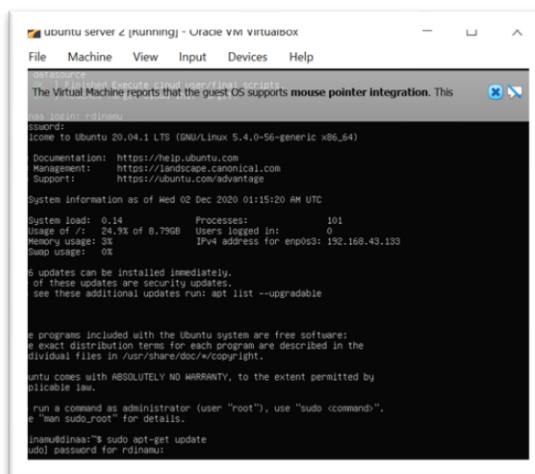
15. Setelah selesai kita akan diminta untuk reboot. Klik enter untuk reboot



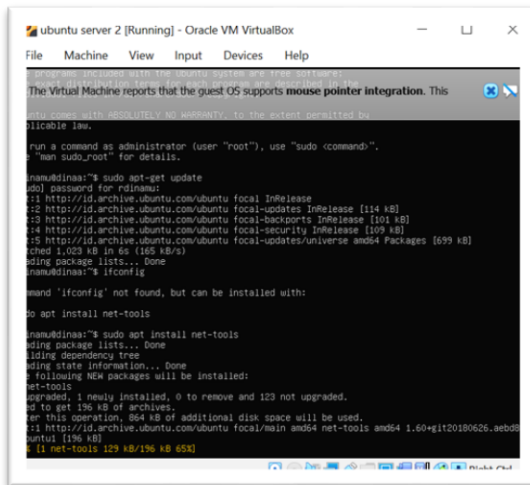
16. Log in username dan password yang telah dibuat saat profile setup tadi



17. Masukkan command **sudo apt-get update** lalu masukkan password lagi.



## 18. Masukkan command **sudo apt-get install net-tools**



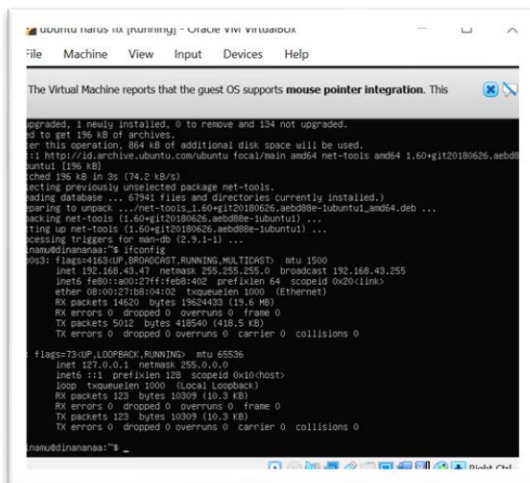
```
ubuntu server 2 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

The Virtual Machine reports that the guest OS supports mouse pointer integration. This
...
run a command as administrator (user "root"), use "sudo <command>".
...
anamudinanaa:~$ sudo apt-get update
Hit:1 http://id.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://id.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Hit:3 http://id.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Hit:4 http://id.archive.ubuntu.com/ubuntu focal-security InRelease [109 kB]
Hit:5 http://id.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [899 kB]
Fetched 1,003 kB in 6s (155 kB/s)
Reading package lists... Done
anamudinanaa:~$ ifconfig
Command 'ifconfig' not found, but can be installed with:
sudo apt install net-tools
anamudinanaa:~$ sudo apt install net-tools
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
net-tools
0 upgraded, 1 newly installed, 0 to remove and 123 not upgraded.
Need to get 196 kB of archives.
After this operation, 864 kB of additional disk space will be used.
Hit:1 http://id.archive.ubuntu.com/ubuntu focal/main amd64 net-tools amd64 1.60+git120180626.aebd
ubuntu [196 kB]
Get:2 http://id.archive.ubuntu.com/ubuntu focal/main amd64 net-tools amd64 1.60+git120180626.aebd
ubuntu [196 kB]
Fetched 196 kB in 12s (156 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Setting up net-tools (1.60+git120180626.aebd89e-1ubuntu1) ...
anamudinanaa:~$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.43.47 netmask 255.255.255.0 broadcast 192.168.43.255
    inet6 fe80::a00:27ff:feb3:402 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:00:04:02 txqueuelen 1000 (Ethernet)
    RX packets 14620 bytes 1982433 (19.6 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 5012 bytes 418540 (418.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 123 bytes 10309 (10.3 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 123 bytes 10309 (10.3 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

anamudinanaa:~$
```

## 19. Kemudian masukkan command **ifconfig** lalu akan muncul IP Address



```
ubuntu narus ix [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

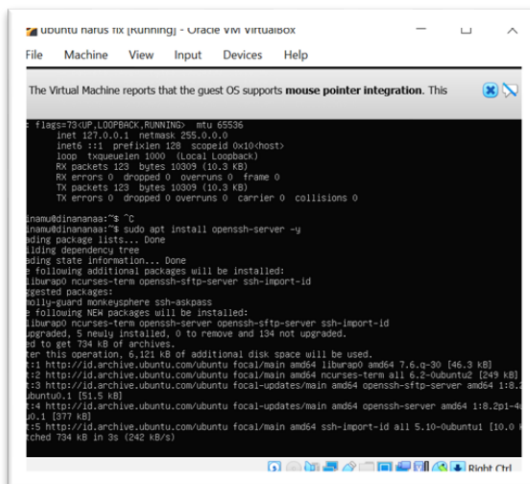
The Virtual Machine reports that the guest OS supports mouse pointer integration. This
...
anamudinanaa:~$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.43.47 netmask 255.255.255.0 broadcast 192.168.43.255
    inet6 fe80::a00:27ff:feb3:402 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:00:04:02 txqueuelen 1000 (Ethernet)
    RX packets 14620 bytes 1982433 (19.6 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 5012 bytes 418540 (418.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 123 bytes 10309 (10.3 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 123 bytes 10309 (10.3 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

anamudinanaa:~$
```

192.168.43.47

## 20. Lalu masukkan command **sudo apt install openssh-server -y**



```
ubuntu narus ix [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

The Virtual Machine reports that the guest OS supports mouse pointer integration. This
...
anamudinanaa:~$ sudo apt install openssh-server -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
libapache2-ssl-modules libcap-ng0 libfido2-1 libkrb5-3 libldap2 libnss-ldapd libnss-ldap3 libnss-smbldap libnss3 libpam-ssh libpython3.8-minimal libpython3.8-stdlib libssh2-1 libssl1.1 libssh4 libssh-gss
anamudinanaa:~$
```

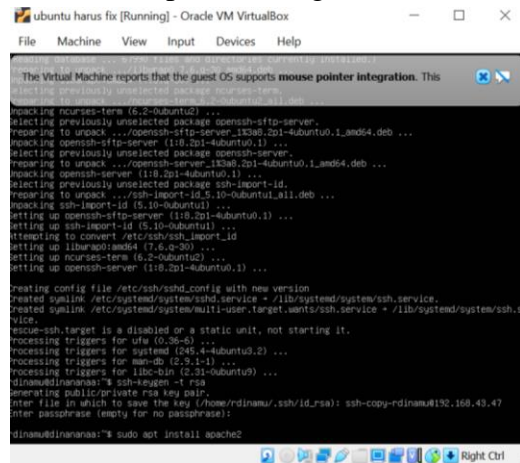


21. Lalu masukkan command ini secara bertahap

**ssh-keygen -t rsa**

**ssh-copy-iduser@IP**

lalu install apache2 dengan command **sudo apt install apache2**



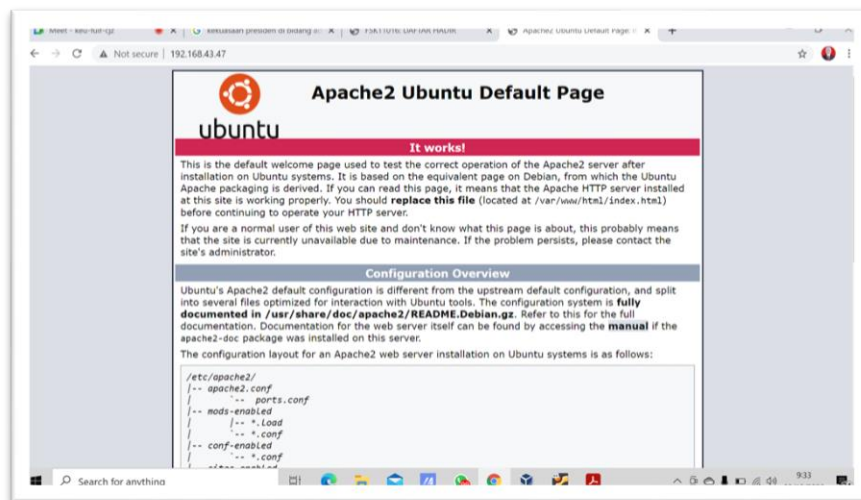
```
ubuntu harus fix [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

The Virtual Machine reports that the guest OS supports mouse pointer integration. This

nurses-tere (6.2-0ubuntu2) ...
selecting previously unselected package openssh-sftp-server.
preparing to unpack .../openssh-sftp-server_1:3.8p1-4ubuntu0.1_amd64.deb ...
unpacking openssh-sftp-server (1:3.8p1-4ubuntu0.1) ...
selecting previously unselected package openssh-server.
preparing to unpack .../openssh-server_1:3.8p1-4ubuntu0.1_amd64.deb ...
unpacking openssh-server (1:3.8p1-4ubuntu0.1) ...
selecting previously unselected package ssh-import-id.
preparing to unpack .../ssh-import-id_5.10-0ubuntu1_all.deb ...
unpacking ssh-import-id (5.10-0ubuntu1) ...
setting up openssh-sftp-server (1:3.8p1-4ubuntu0.1) ...
setting up ssh-import-id (5.10-0ubuntu1) ...
attempting to convert /etc/ssh/ssh_import_id
setting up libunistring2 (7.6.0-3) ...
setting up nurses-tere (6.2-0ubuntu2) ...
setting up openssh-server (1:3.8p1-4ubuntu0.1) ...

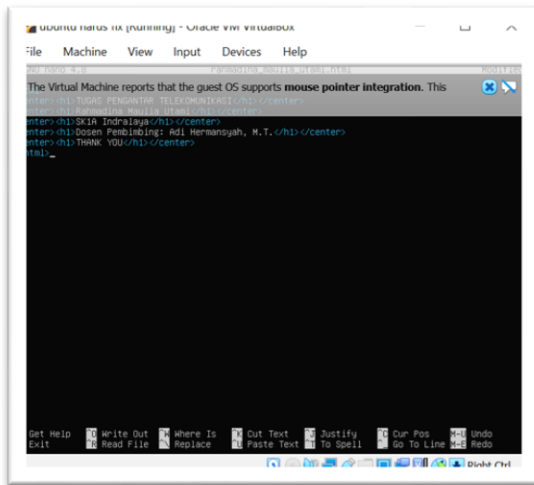
creating config file /etc/ssh/ssh_config with new version
created symlink /etc/systemd/system/ssh.service + /lib/systemd/system/ssh.service
created symlink /etc/systemd/system/multi-user.target.wants/ssh.service + /lib/systemd/system/ssh.service
/usr/sbin/ssh.target is a disabled or a static unit, not starting it.
processing triggers for ufw (0.36-6) ...
processing triggers for systemd (245.4-4ubuntu2) ...
processing triggers for mtr-tcp (2.3.1-1) ...
processing triggers for libc-bin (2.31-0ubuntu9) ...
dinaul@dinanara:~$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/dinamul/ssh/id_rsa): ssh-copy-id dinamul@192.168.43.47
Enter passphrase (empty for no passphrase):
dinaul@dinanara:~$ sudo apt install apache2
```

22. Buka browser lalu ketik IP anda, jika tampilannya sudah seperti yang di bawah berarti webserver telah tersedia.



23. Masukkan command **cd /var/www/html** lalu enter dan masukkan command **sudo nano namafile.html**

24. Masukkan program HTML anda



25. Kemudian buka browser anda lalu ketik **IPaddres/namafile.html**  
Sebagai contoh **192.168.43.47/rahmadina\_maulia\_utami.html**  
Maka akan muncul seperti dibawah

