

Laporan Tugas Pengantar Telekomunikasi
Membangun Web Server dengan Wordpress
di Ubuntu Server



Dosen Pengampu
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Mata Kuliah : Pengantar Telekomunikasi

MEMBUAT APLIKASI WORDPRESS DI UBUNTU SERVER

Disini saya akan menjelaskan tentang cara membuat aplikasi wordpress di ubuntu server.

1. Pertama, Download file ubuntu server dan Vware / Virtual box

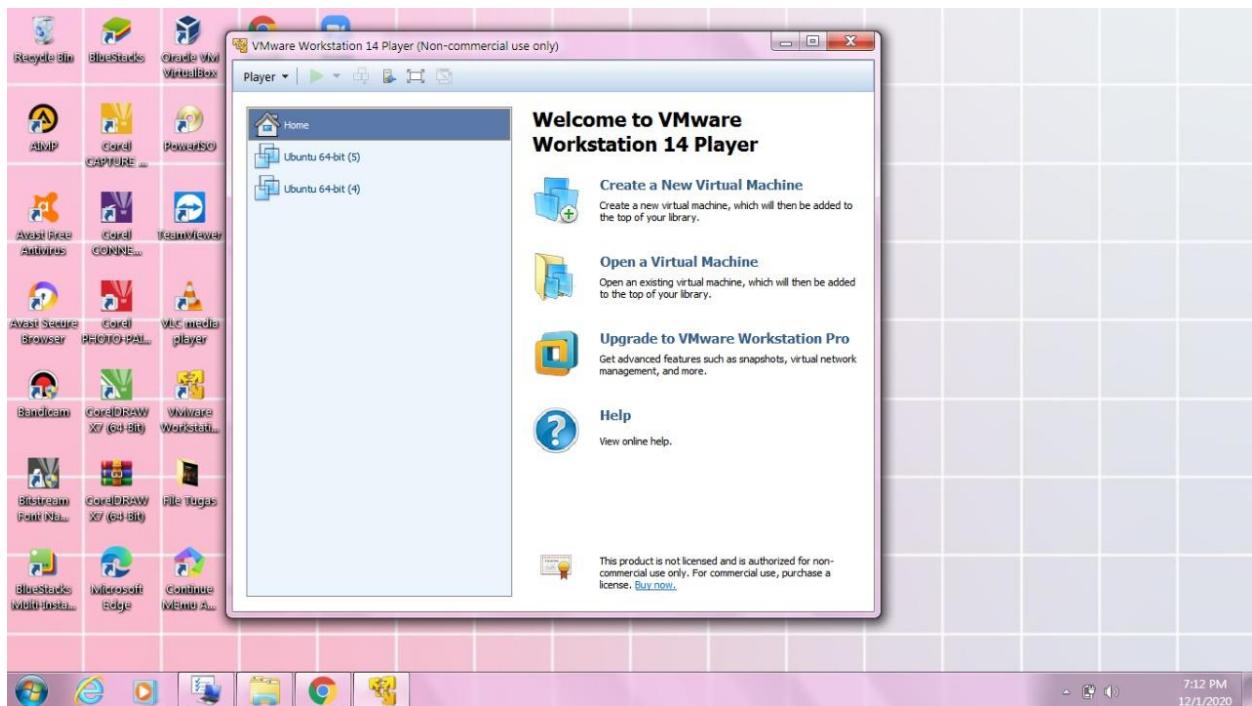
Disini saya menggunakan VMware Workstation 14 Player .

Untuk link nya saya tuliskan dibawah ini :

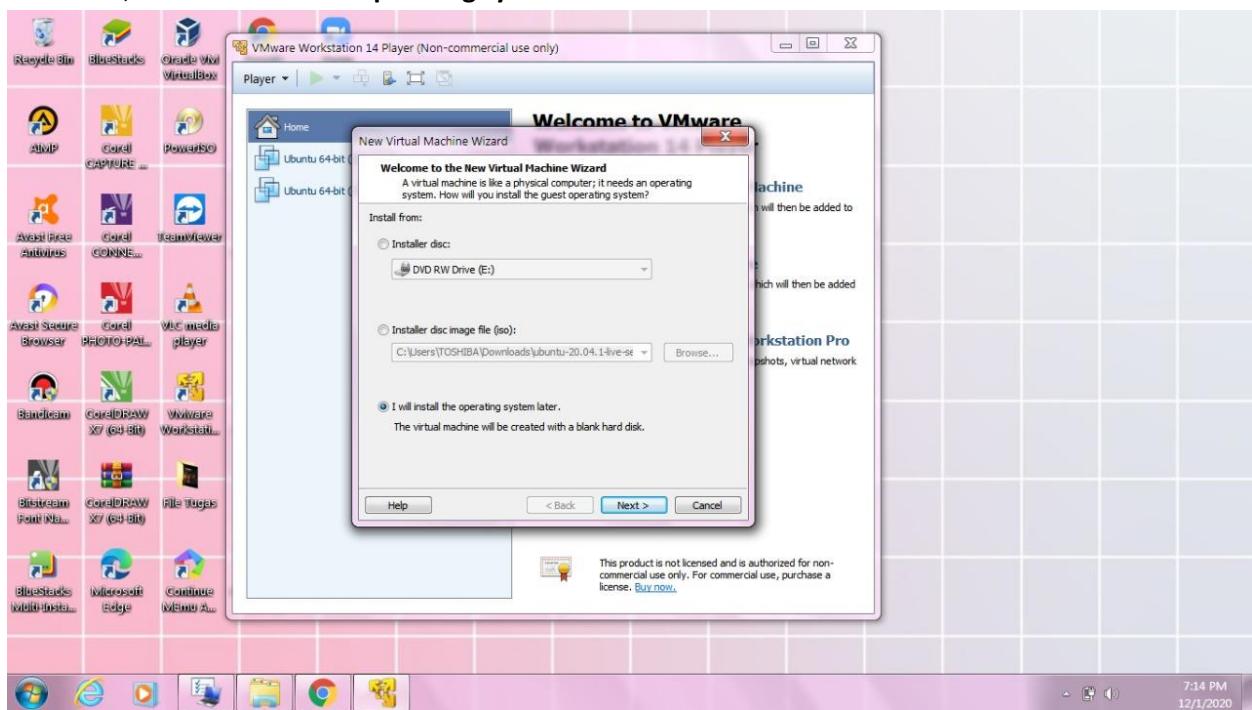
- **Ubuntu 64bit :** (<https://mirror.labkom.id/ubuntu-releases/20.04.1/ubuntu-20.04.1-live-server-amd64.iso>)
- **VMware Workstation 14 Player :**
(https://my.vmware.com/en/web/vmware/downloads/info/slug/desktop_end_user_computing/vmware_workstation_player/14_0)

2. Setelah didownload , Buka VMware Workstation 14 Player.

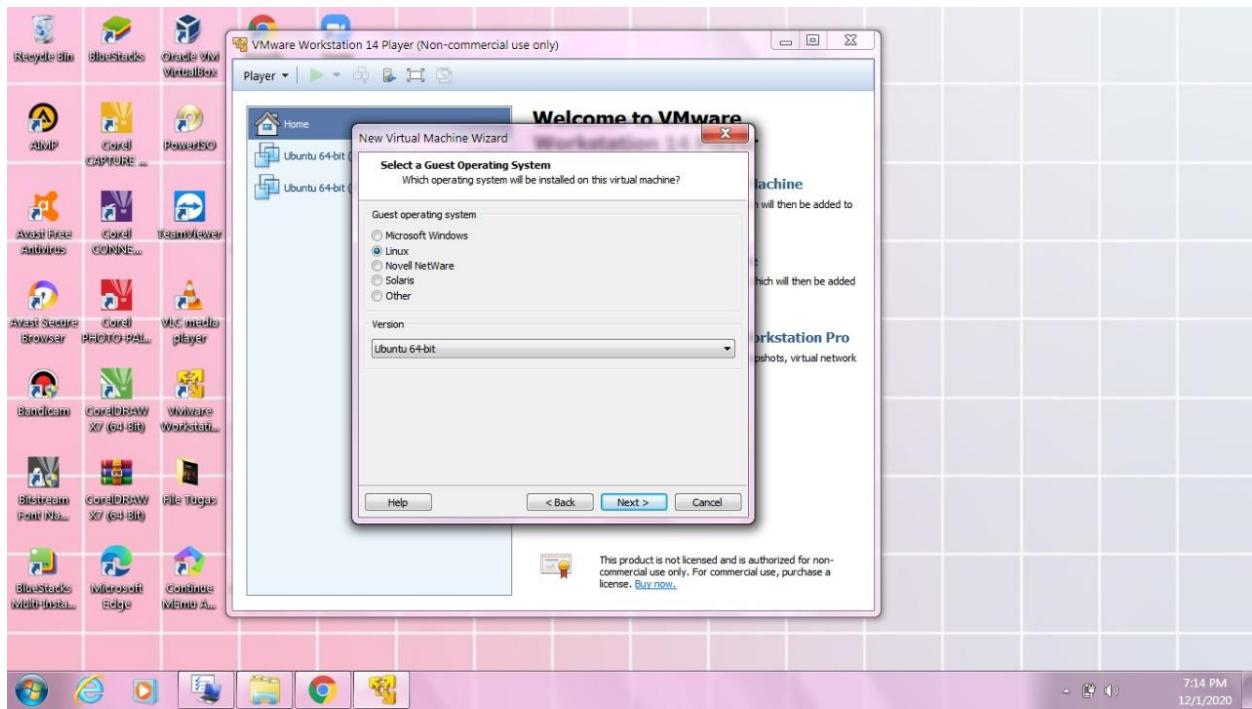
3. Lalu Pilih “Create New Virtual Machine”



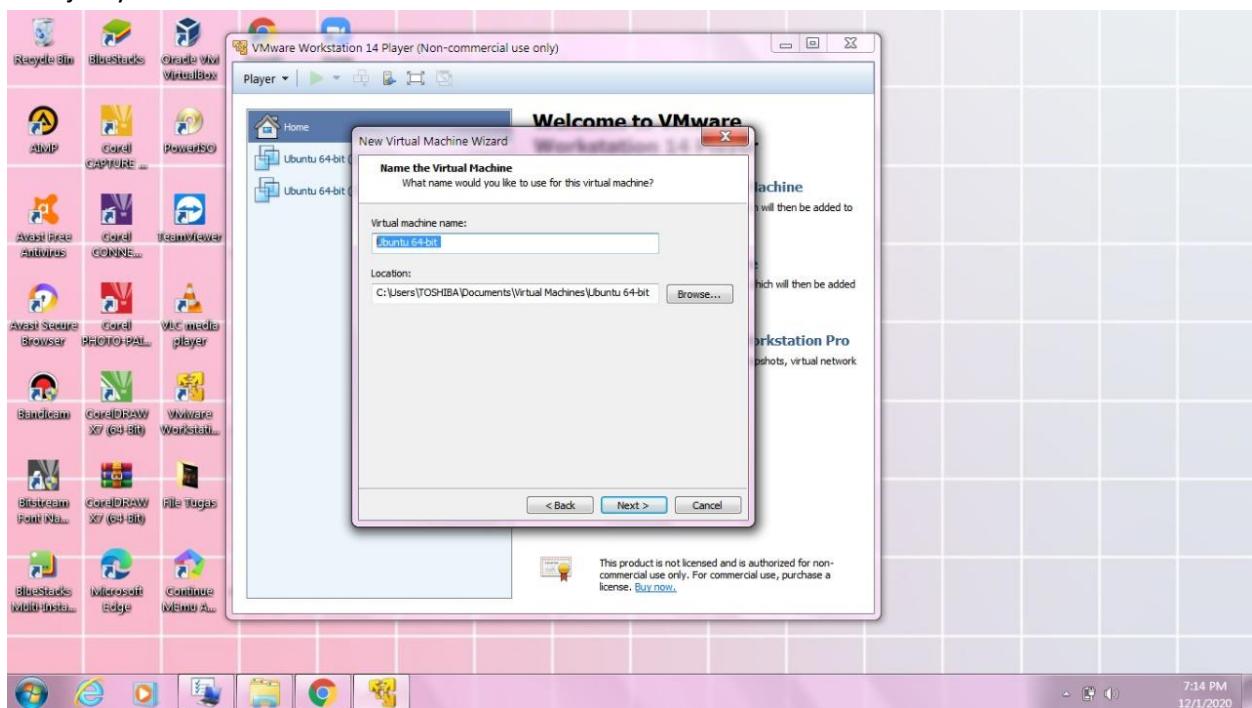
4. Kemudian, Pilih “ I will install operating system later ” lalu klik Next.



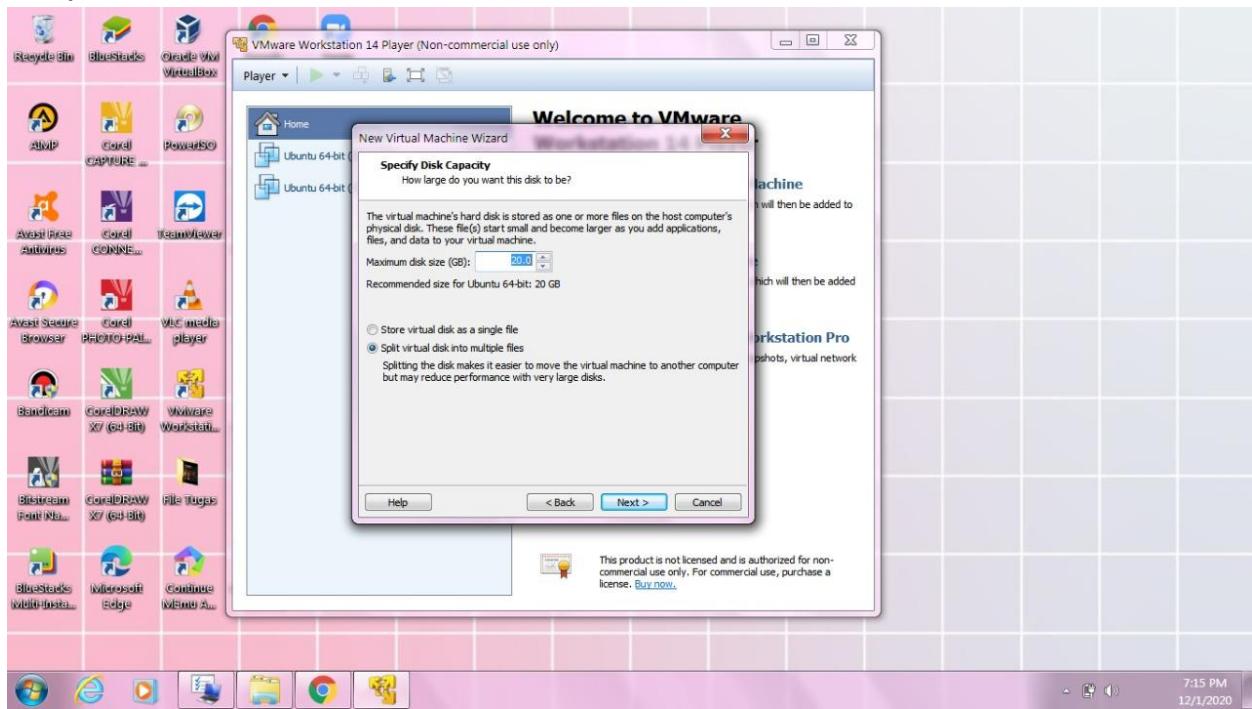
5. Disini, untuk Guest Operating System silahkan pilih “ LINUX ” dan untuk Version silahkan pilih “ Ubuntu 64-bit ”



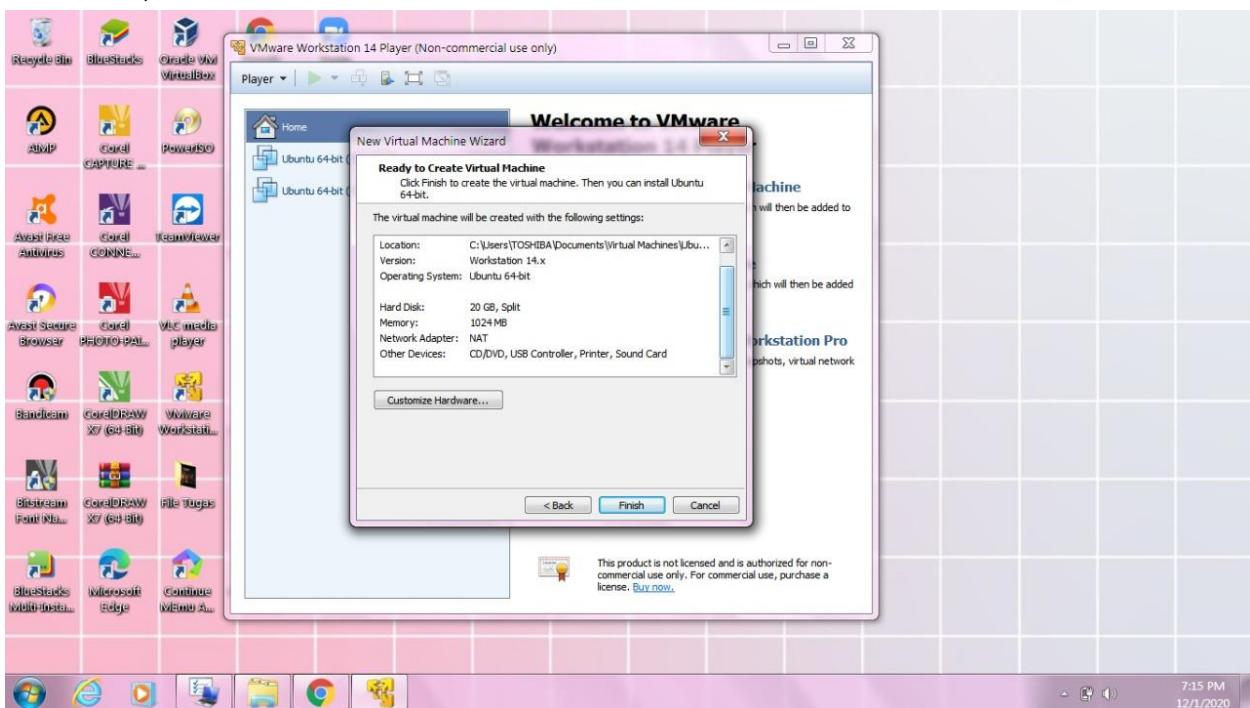
6. Selanjutnya Masukkan nama file



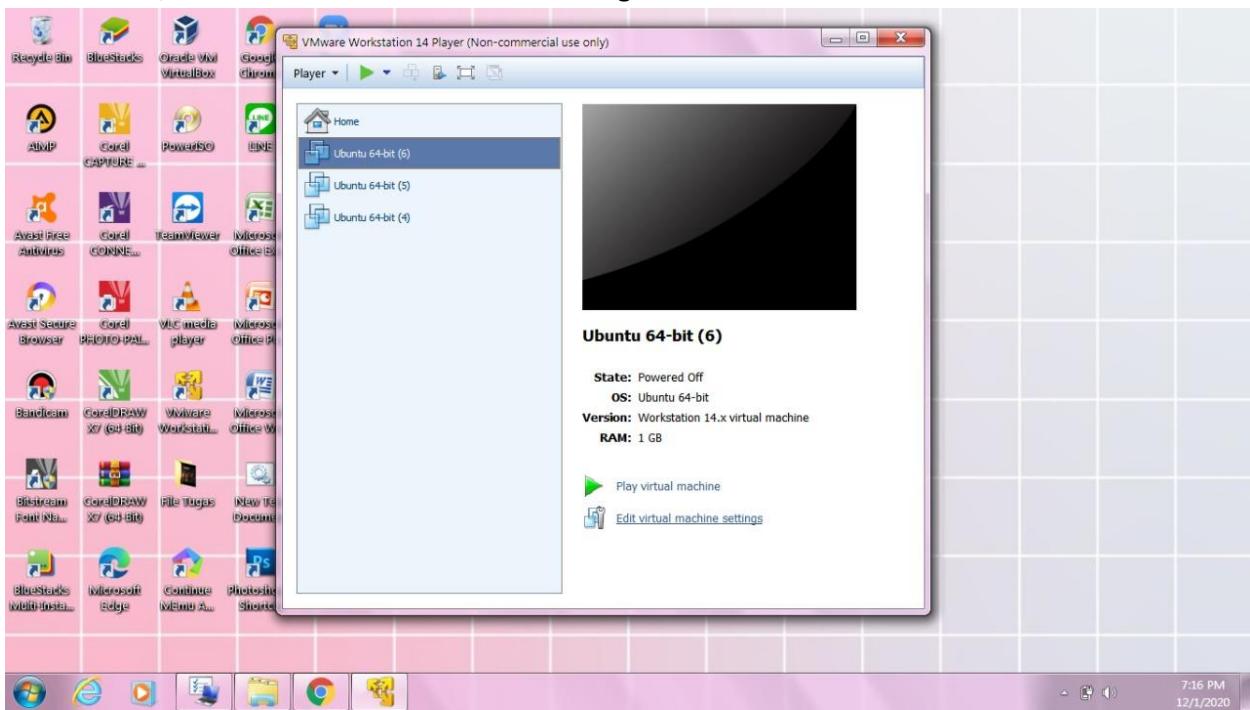
7. Kemudian Maximum Disk Size saya ubah menjadi 20.0 GB , dan pilih “ Split virtual disk into multiple files ”



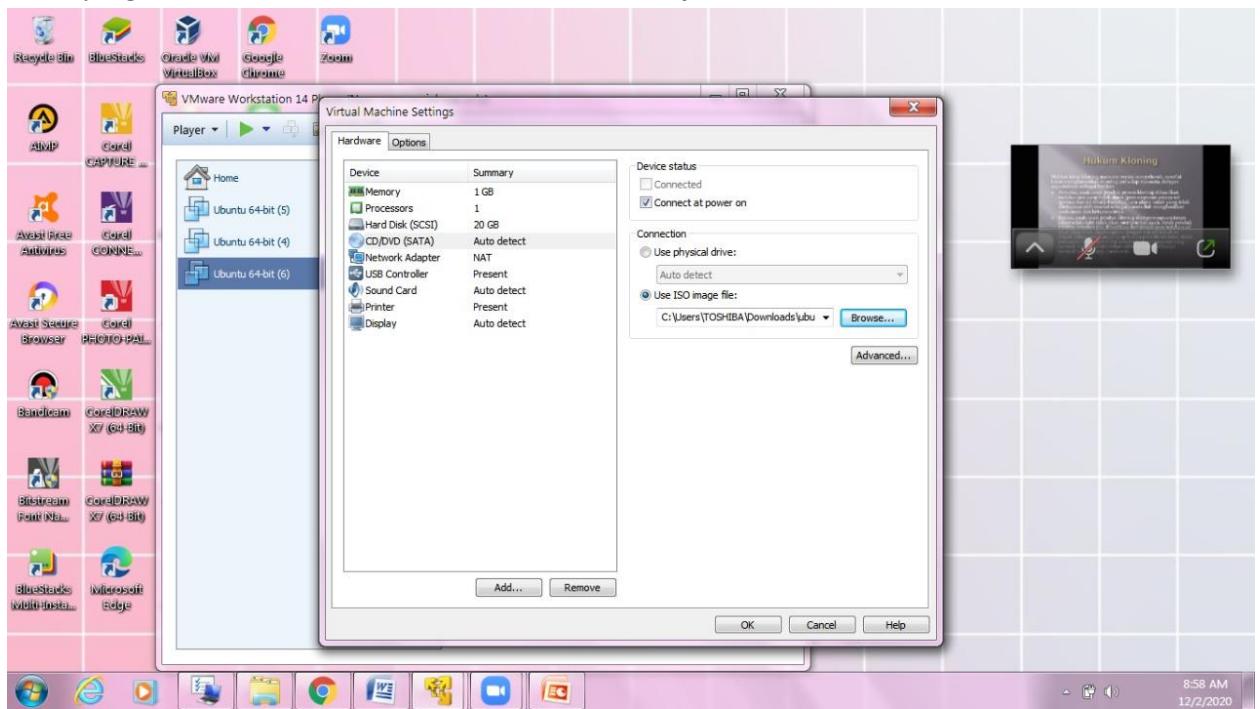
8. Ketika disini, silahkan klik finish.



9. Setelah disini, silahkan "Edit virtual machine Settings "

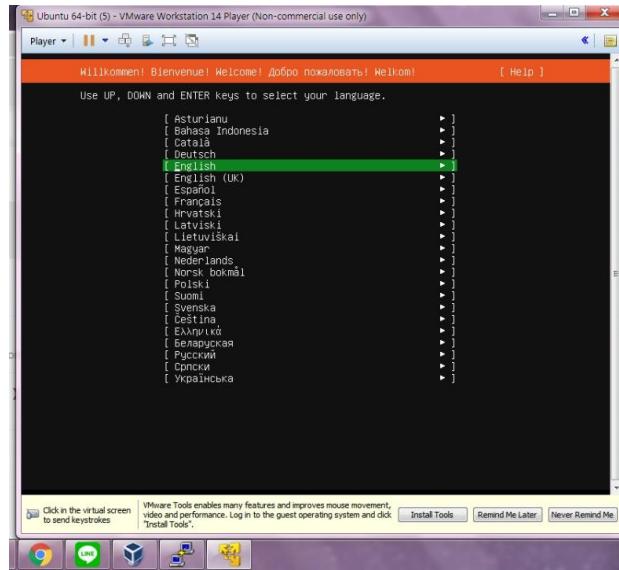


10. Pilih **CD/DVD (SATA)** dan pada connection pilih **Use ISO Image file** lalu masukkan file **Ubuntu 64-bit** yang telah didownload . Kemudian klik **OK** dan **Play Virtual Machine**.

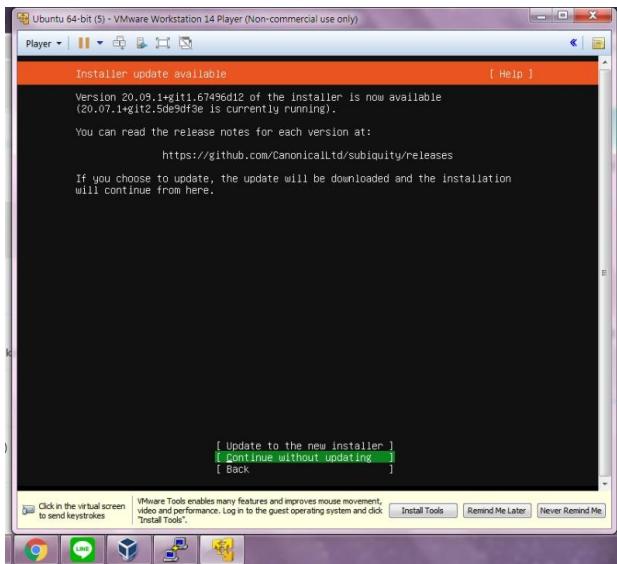


INSTALL UBUNTU DI VMWARE

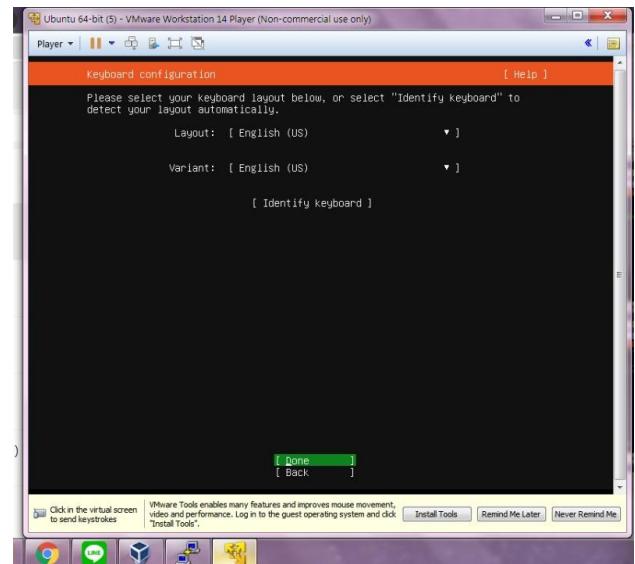
1. Setelah play machine virtual, maka akan ada pilihan bahasa. Lalu pilih English dan klik enter.



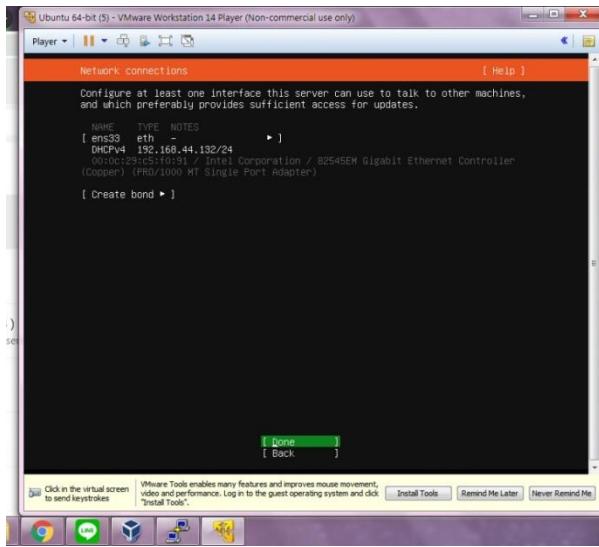
2. Lalu aka noda pilihan , dan ikuti saja seperti gambar dibawah ini.



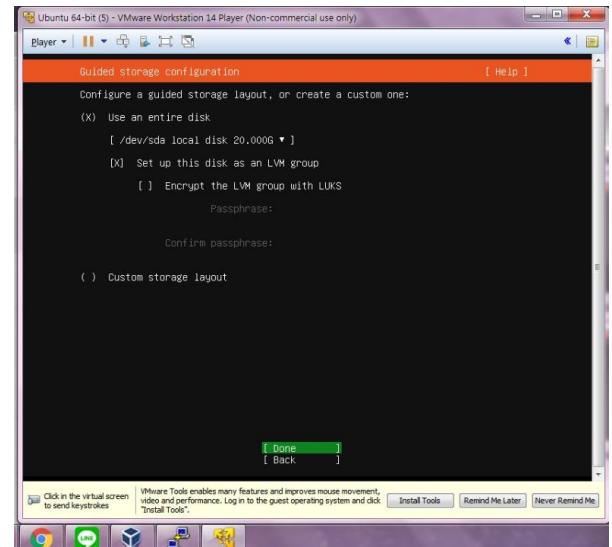
(1)



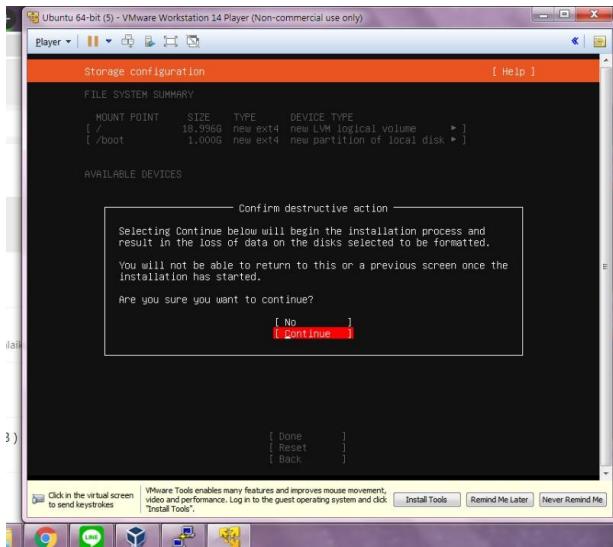
(2)



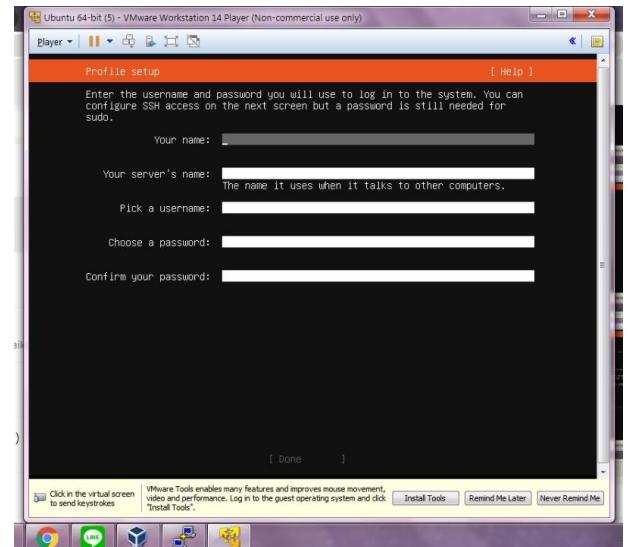
[3]



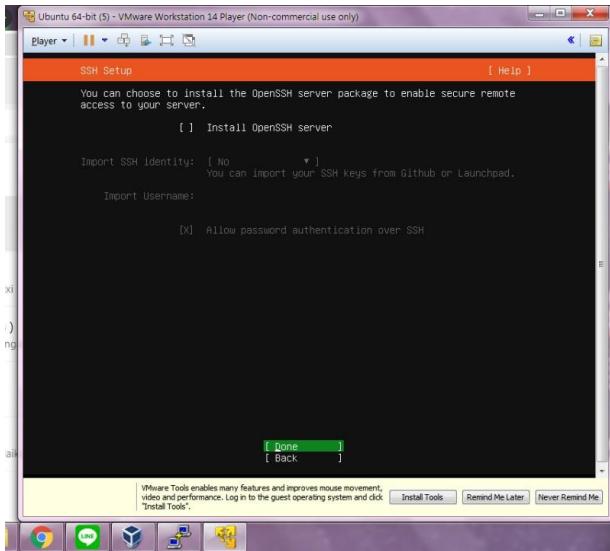
[4]



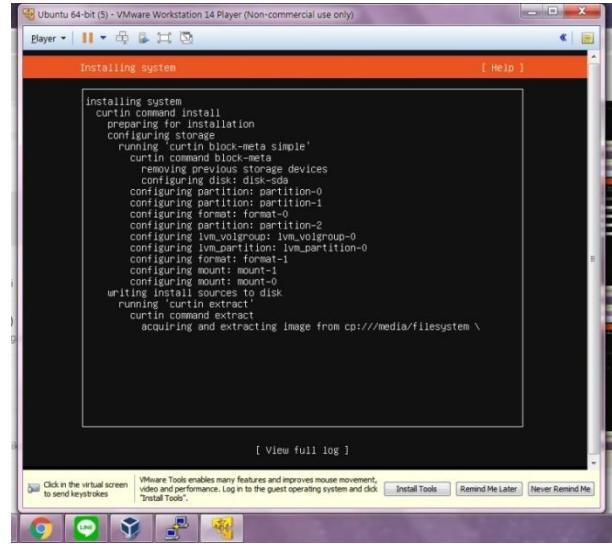
[5]



[6]



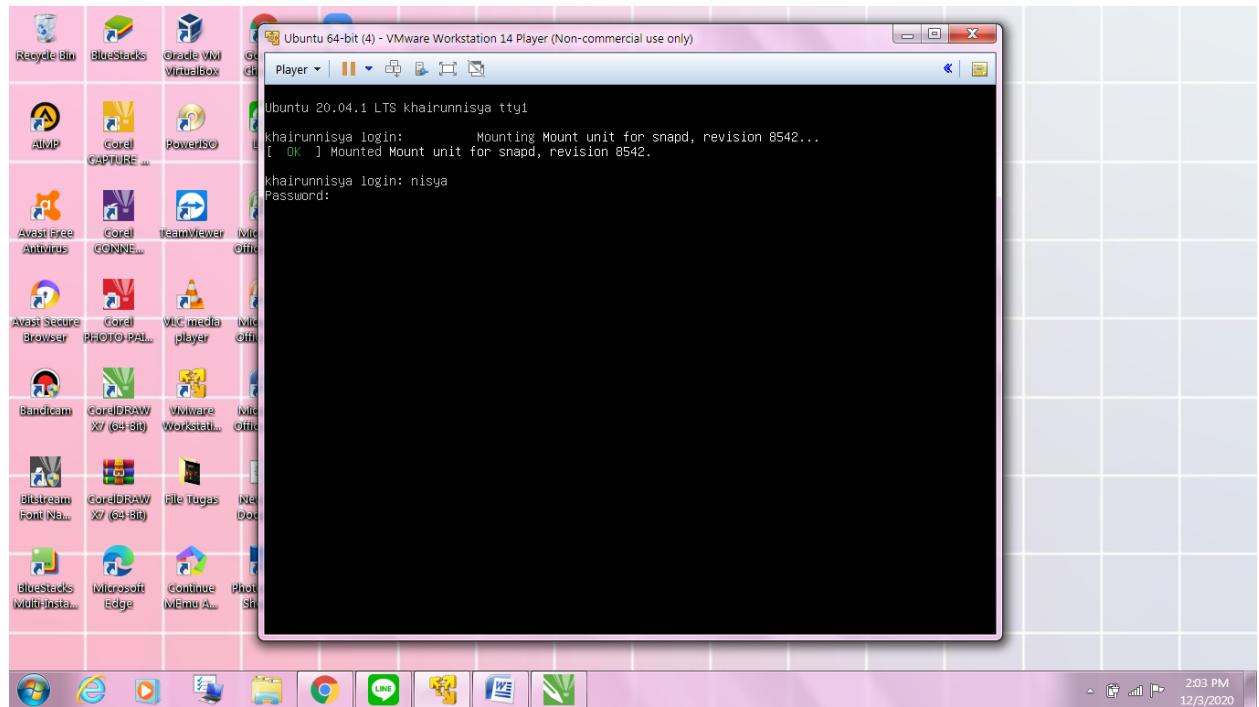
[7]



[8]

Setelah sampai pada tahap ke – 8 , tunggu sampai ada bacaan ‘ reboot ’ lalu klik enter.

1. Pada tahap ini kalian akan disuruh login akun ubuntu yang telah kalian buat.

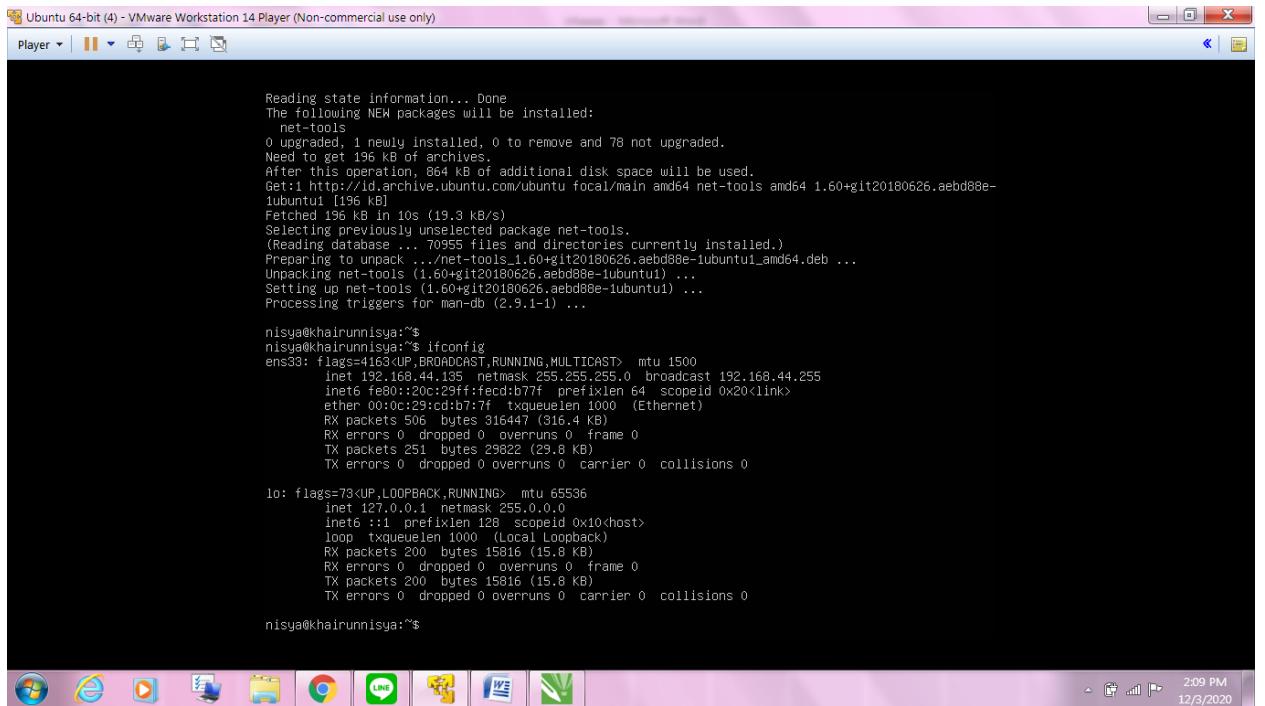


2. Ketik " Sudo apt install net-tools" lalu klik enter

```
RSA)
<14>Dec  3 07:05:48 ec2: -----END SSH HOST KEY FINGERPRINTS-----
<14>Dec  3 07:05:48 ec2: #####
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAEAE2VjZHMhLXNoYTItbmIzdHgNYAAAIBmIzdHgNYAAABBBB1+B0PXL/MkrXUlnFWP0N0efeRQ
1HfuuGHTCir/h86ukJhpSKthVNTuBX1J0L/kp44X3BSbYSQSQR0Ucc root@khairunnisa
ssh-ed25519 AAAAC3NzaC1yc2EAAADQABRABgQC6q34TjhJlpjCB4Azze+sSDXBQ9TFvN-EL//4itcfKp4FAniW44gwXmLTFp0
Q3D4b9ytGHly9d3BFoGHCN2pacm7aE6myZ2qHQV1PQKjgLMmrwCCosSmbscbC2TOMMrvBkadM2q30Xah1LzcusJL1QMBFX3R
B-hhCtPv0XrIzoh2Q530Uf12g+Nbxycu422bqXl/_AmErp6JKYU0ky186HvYAY2oSRBaMnB3kxzhs203Roo1z1MIEfcyLw
9hBoe52zmmxx7+6U2NFz26kILYuvY9dyBu1kPj8QlZE20/E/awbWoq413YquR6vNFqrOpHksf02/QzGrWBEPXQARjSZI4B6kh84
6/S7a8qfb1V/ctaQ2Sb1iL5KkvuPLYSwh5igI+6ct1lk7u8x84E75C1xyns3pAuHkJg1vn0ghH6UqRuxB610LBKRUAAtk1zkw8G0
GmCeob1MKtVxcUYIt4bd26nXBRTAyDamtSmocz7mZ2bzg3FM= root@khairunnisa
-----END SSH HOST KEY KEYS-----
[ 291.878809] cloud-init[2136]: Cloud-init v. 20.2-45-g5f7825e2-oubuntu1~20.04.1 running 'modules:final' at Thu, 03 Dec 2020 07:05:47 +0000. Up 291.04 seconds.
[ 291.891034] cloud-init[2136]: ci-info: no authorized SSH keys fingerprints found for user nisyas.
[ 291.898601] cloud-init[2136]: cloud-init v. 20.2-45-g5f7825e2-oubuntu1~20.04.1 finished at Thu, 03 Dec 2020 07:05:48 +0000. Datastore DataSourceNone. Up 291.85 seconds
[ 291.910051] cloud-init[2136]: 2020-12-03 07:05:48,612 - cc_final_message.py[WARNIN]: Used fallba ck datasource
[ OK ] Finished Execute cloud user/final scripts.
[ OK ] Reached target Cloud-Init target.

nisyas@khairunnisa:~$ sudo apt install net-tools
[sudo] password for nisyas:
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 78 not upgraded.
Need to get 196 kB of archives.
After this operation, 864 kB of additional disk space will be used.
Get:1 http://id.archive.ubuntu.com/ubuntu focal/main amd64 net-tools amd64 1.60+git20180626.aebd8e-1ubuntu [196 kB]
131 net-tools 2413 B/196 KB 1%
```

3. Ketika disini , kita ketik "ifconfig" , dari situ kita dapat menemukan IP address kita.
 IP Address saya disini yaitu : 192.168.44.135



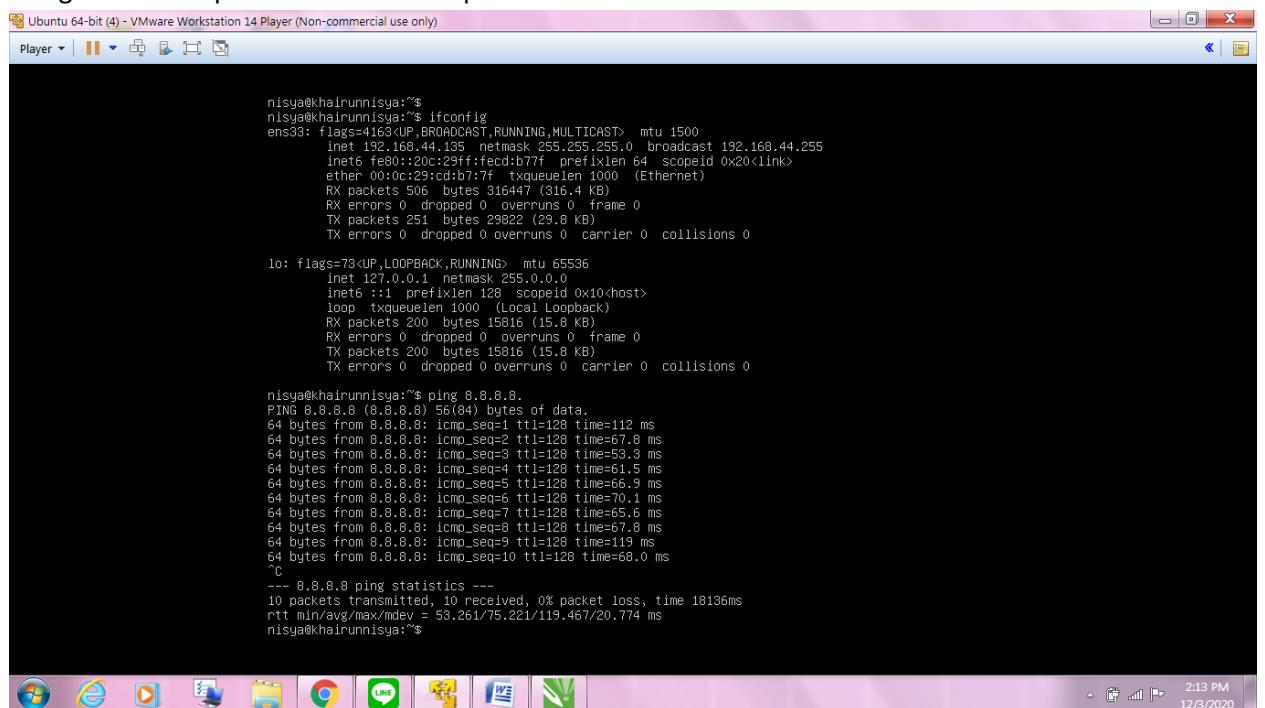
```
Reading state information... Done
The following NEW packages will be installed:
  net-tools
0 upgraded, 1 newly installed, 0 to remove and 78 not upgraded.
Need to get 196 kB of archives.
After this operation, 864 kB of additional disk space will be used.
Get:1 http://ld.archive.ubuntu.com/ubuntu focal/main amd64 net-tools amd64 1.60+git20180626.aebd88e-1 [196 kB]
Fetched 196 kB in 10s (19.3 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 70955 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60+git20180626.aebd88e-1ubuntu1_amd64.deb ...
Unpacking net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Setting up net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Processing triggers for man-db (2.9.1-1) ...

nisya@khairunnisyah:~$ ifconfig
nisya@khairunnisyah:~$ ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 192.168.44.135  netmask 255.255.255.0  broadcast 192.168.44.255
          inet6 fe80::2c0:29ff:fecc:b77f  prefixlen 64  scopeid 0x20<link>
            ether 00:0c:29:cdb:7:7f  txqueuelen 1000  (Ethernet)
              RX packets 506  bytes 316447 (316.4 KB)
              RX errors 0  dropped 0  overruns 0  frame 0
              TX packets 251  bytes 29822 (29.8 KB)
              TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

lo: 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 200  bytes 15816 (15.8 KB)
              RX errors 0  dropped 0  overruns 0  frame 0
              TX packets 200  bytes 15816 (15.8 KB)
              TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

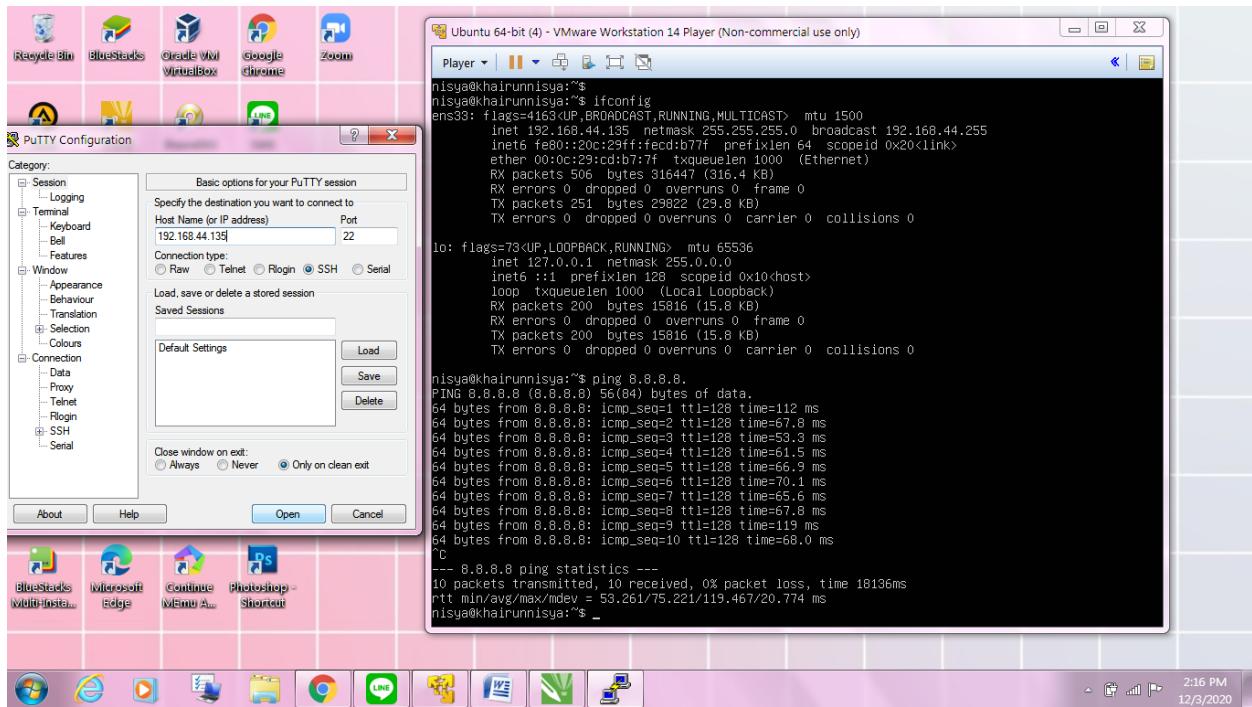
nisya@khairunnisyah:~$
```

4. Lalu kita ketik "ping 8.8.8.8" dimana itu adalah IP dari google. Itu akan berproses , untuk menghentikan proses tersebut cukup klik ctrl+c

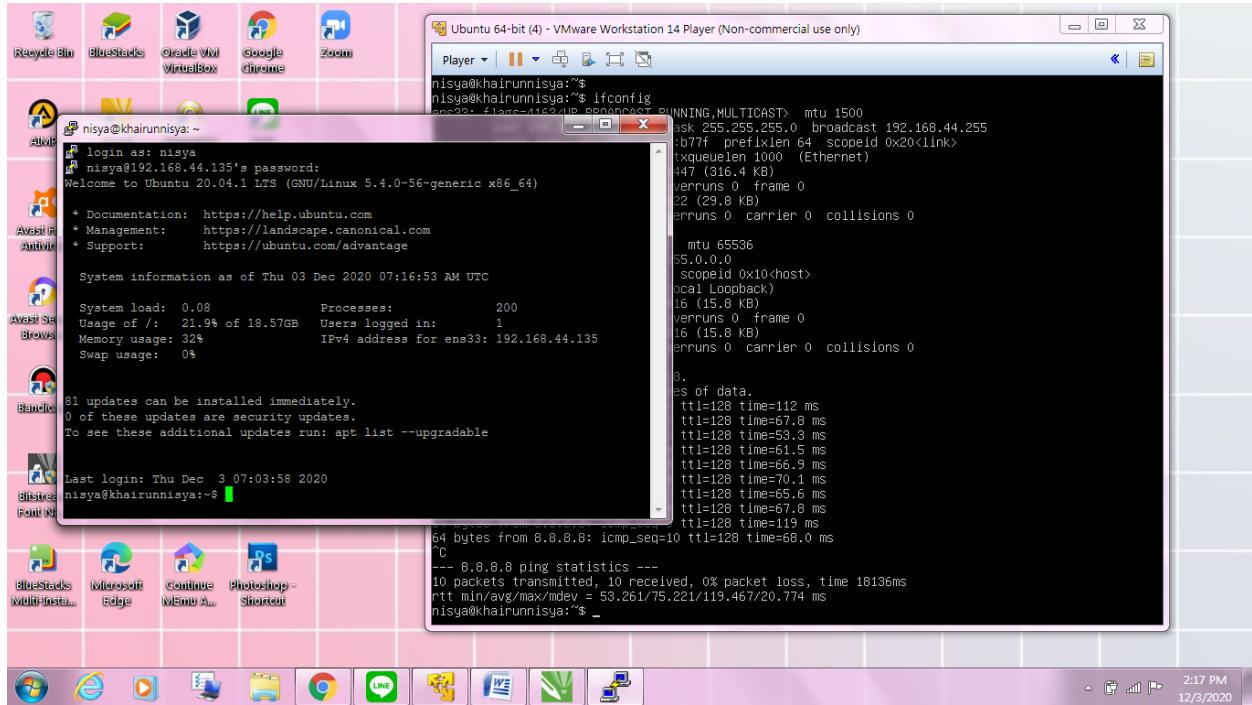


```
nisya@khairunnisyah:~$ ping 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=128 time=112 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=128 time=67.8 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=128 time=53.3 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=128 time=61.5 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=128 time=66.9 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=128 time=70.1 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=128 time=65.6 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=128 time=67.8 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=128 time=119 ms
64 bytes from 8.8.8.8: icmp_seq=10 ttl=128 time=68.0 ms
^C
--- 8.8.8.8 ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 10136ms
rtt min/avg/max/mdev = 53.261/75.221/119.467/20.774 ms
nisya@khairunnisyah:~$
```

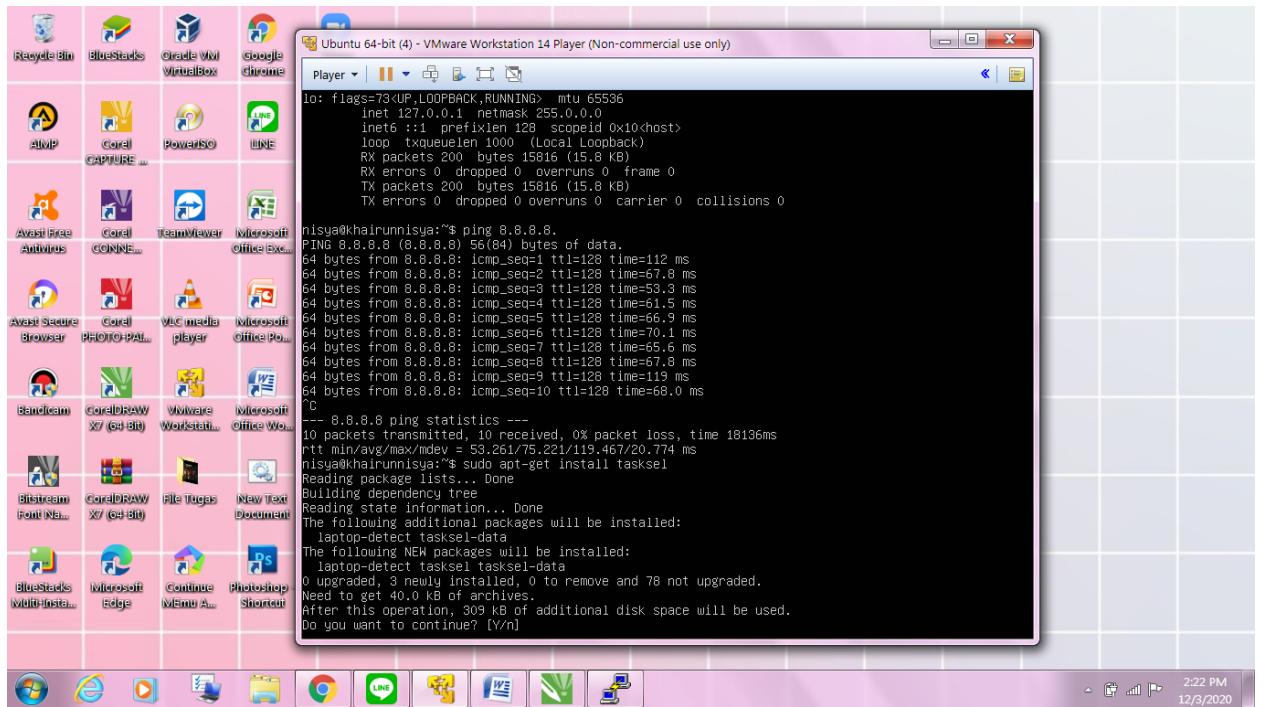
5. Kemudian kita buka apk puTTY dan masukkan IPAdress punya kita. Untuk connection Type silahkan pilih SSH lalu klik open



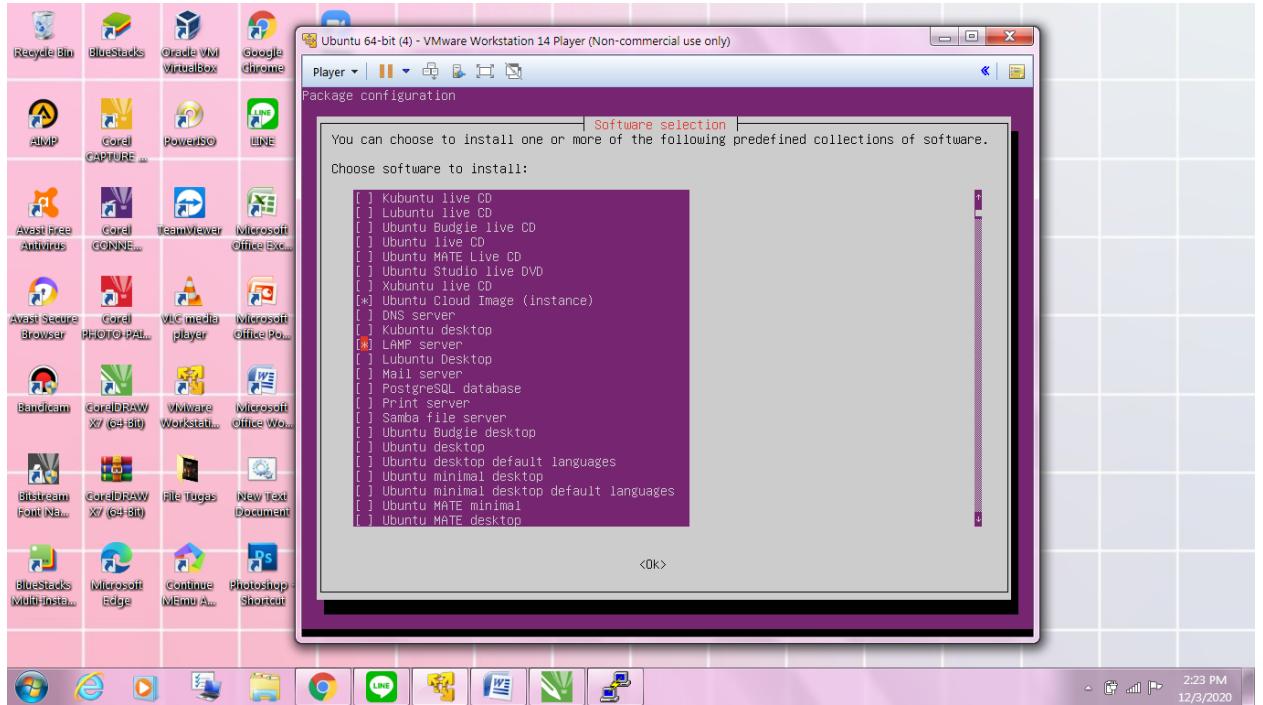
6. Di PuTTY kita disuruh login menggunakan Ubuntu



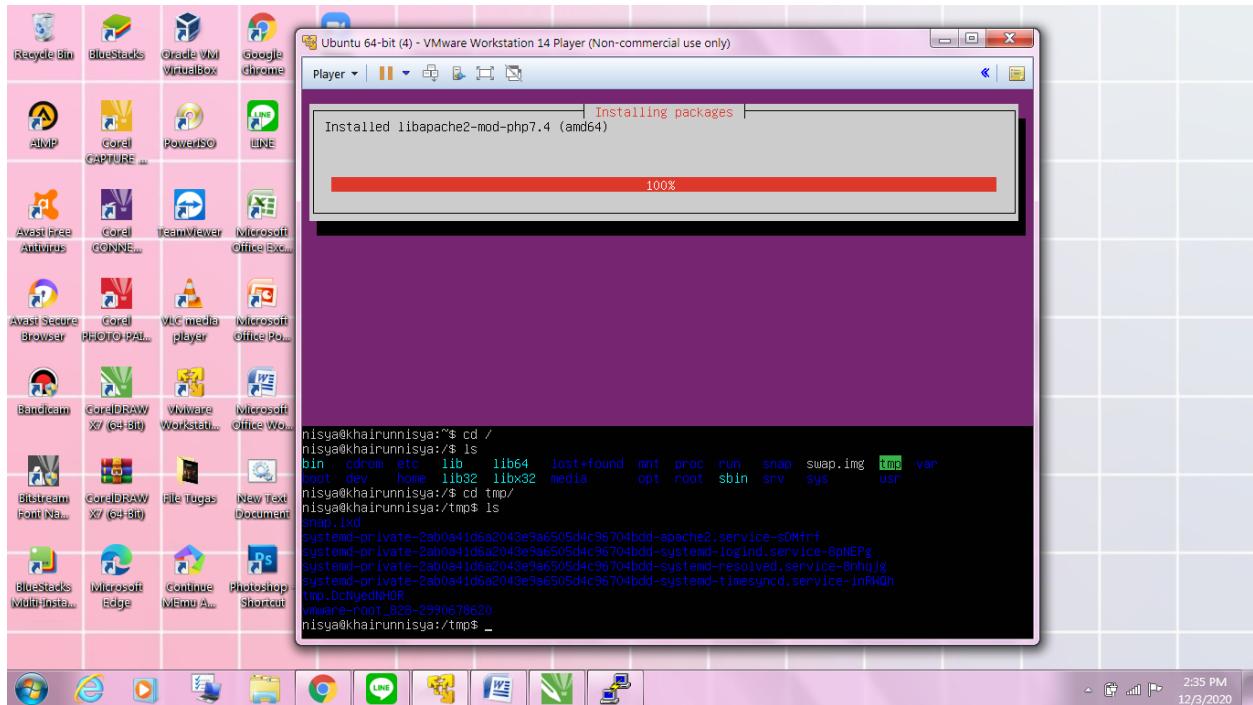
7. Lalu kembali ke Ubuntu Server dan ketik "Sudo apt-get install tasksel" lalu pilih continue (Y) lalu enter.



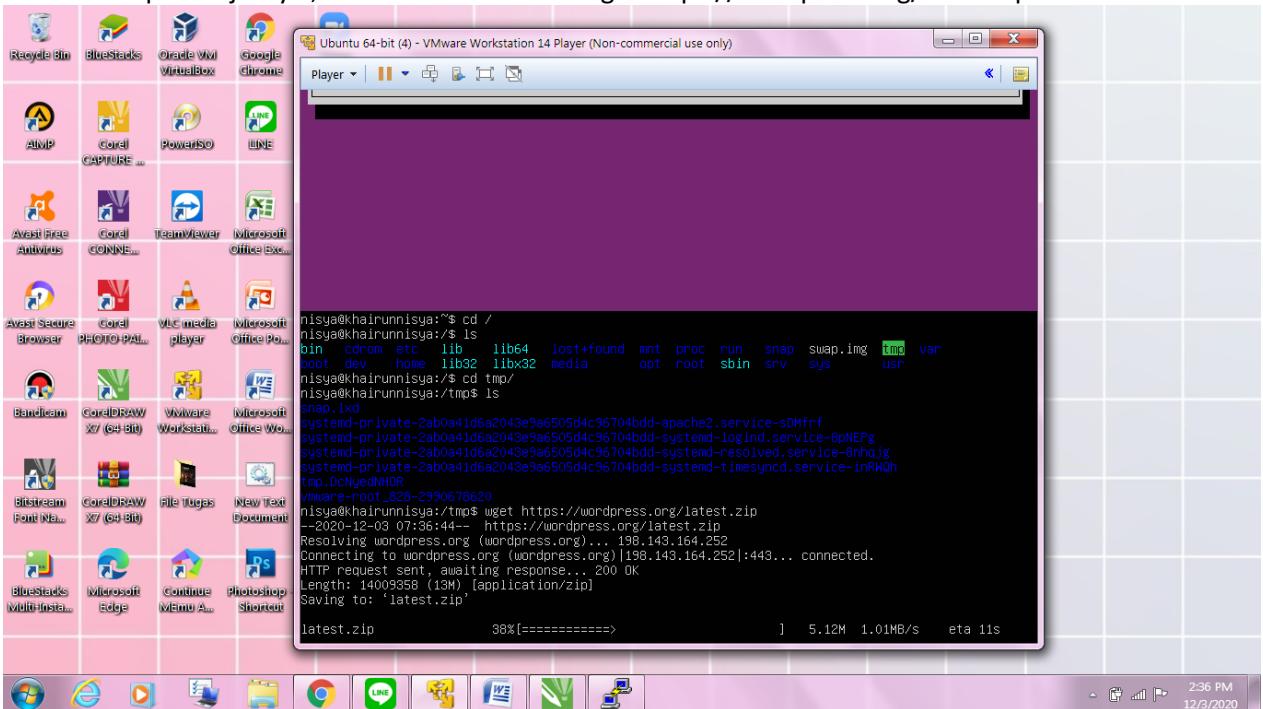
8. Selanjutnya ketik "Sudo tasksel" dan aktifkan LAMP Server.



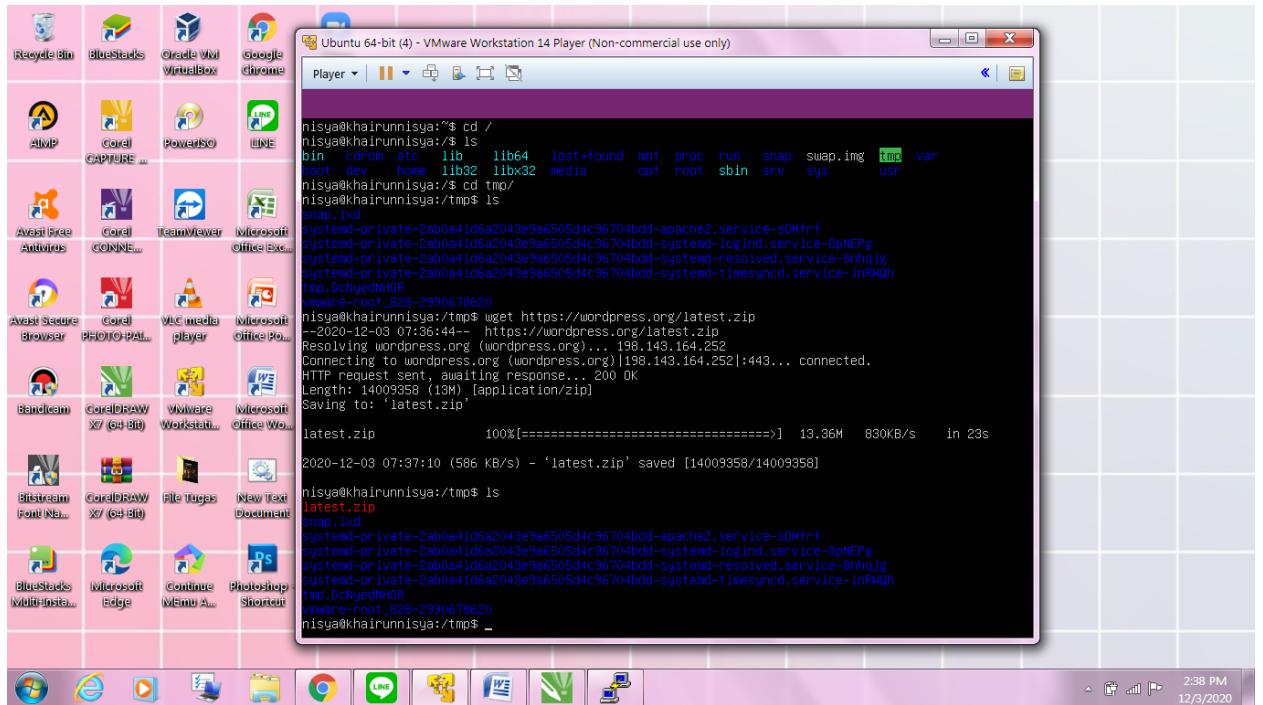
9. Jika sudah selesai installing packages. Kemudian kita ketik "Sudo service apache2 status" lalu klik enter. Selanjutnya ketik cd / lalu enter , kemudian ketik ls lalu enter lagi disitu kita dapat melihat direktoriya , dan ketik lagi cd tmp/ lalu enter dan ketik ls lagi.



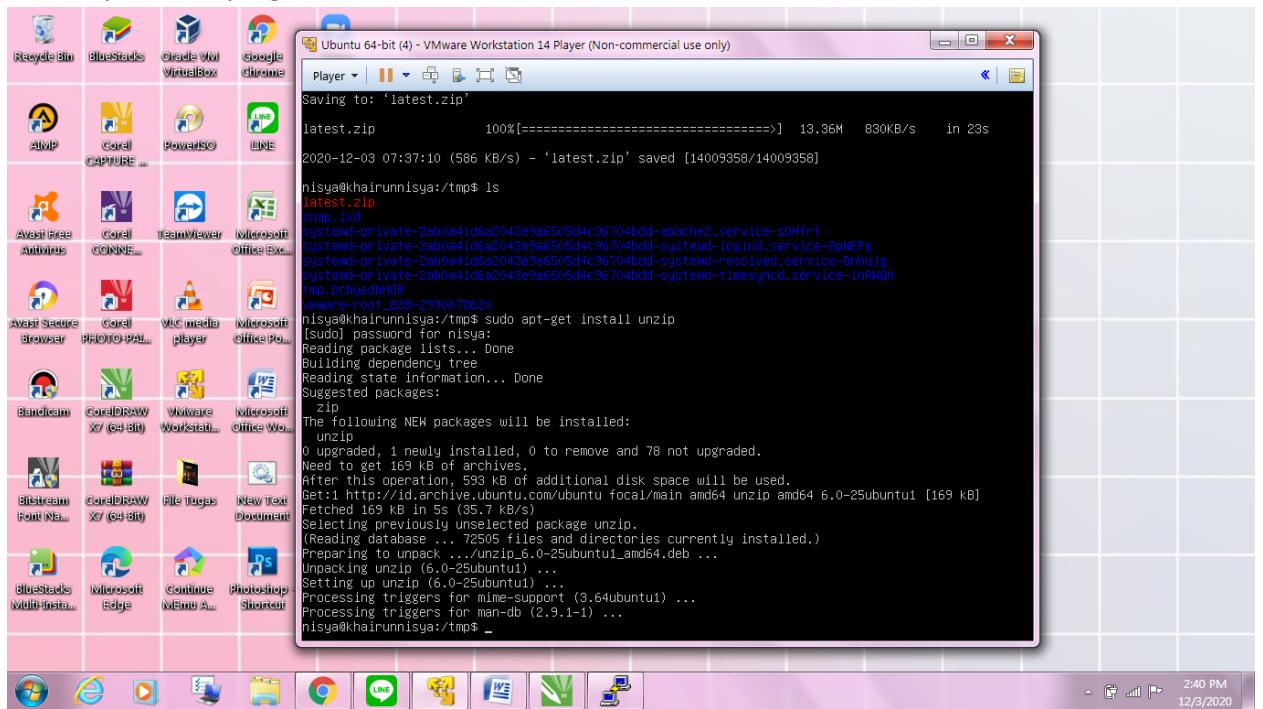
10. Untuk tahap selanjutnya , kita masukkan kode "wget https://wordpress.org/latest.zip lalu enter



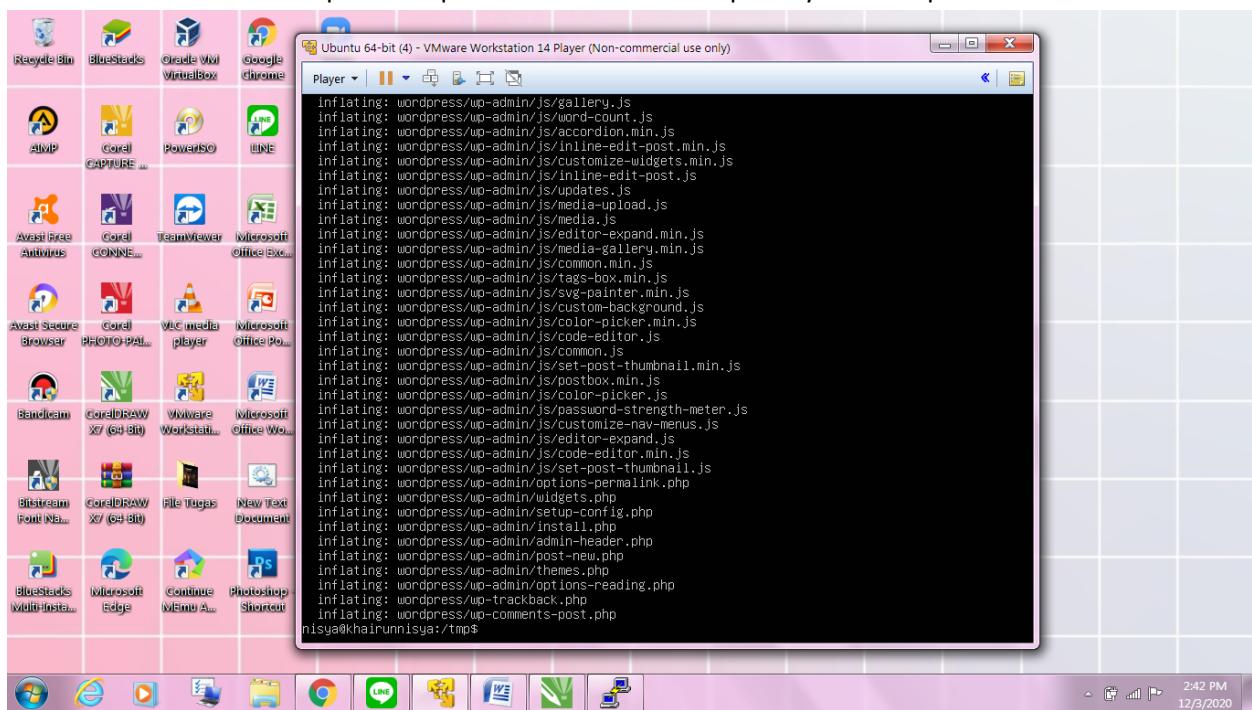
11. Lalu ketik ls



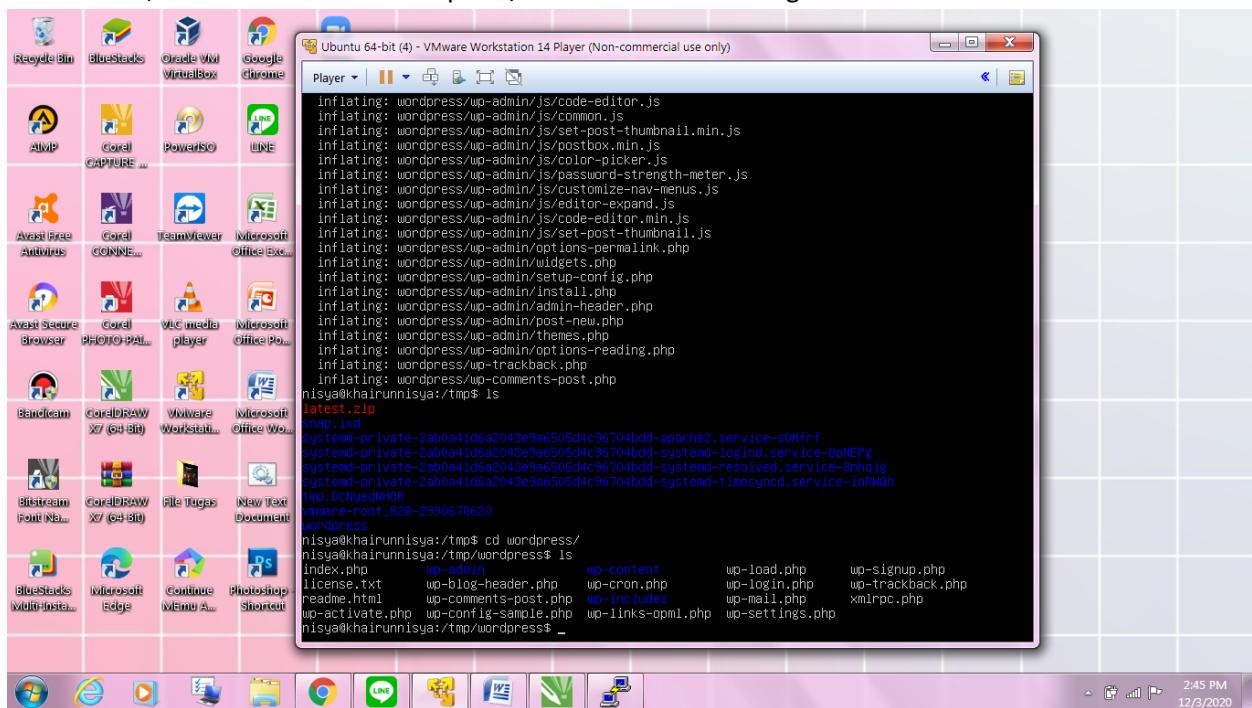
12. Selanjutnya ketik " sudo apt-get install unzip" lalu enter. Disitu kita akan diminta memasukkan kembali password yang kita buat.



13. Kemudian ketik " sudo unzip latest.zip " lalu enter. Maka tampilannya akan seperti ini.

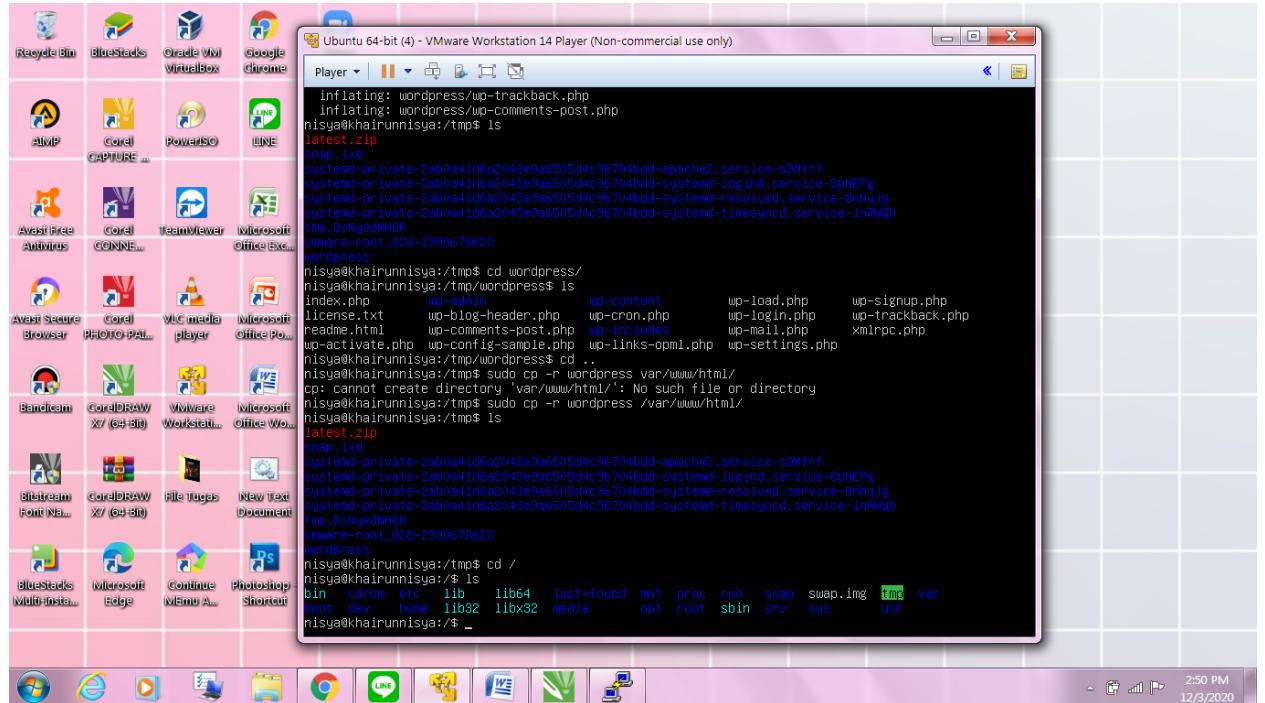


14. Lalu ketik ls , kemudian ketik cd wordpress/ lalu enter dan ketik lagi "ls"

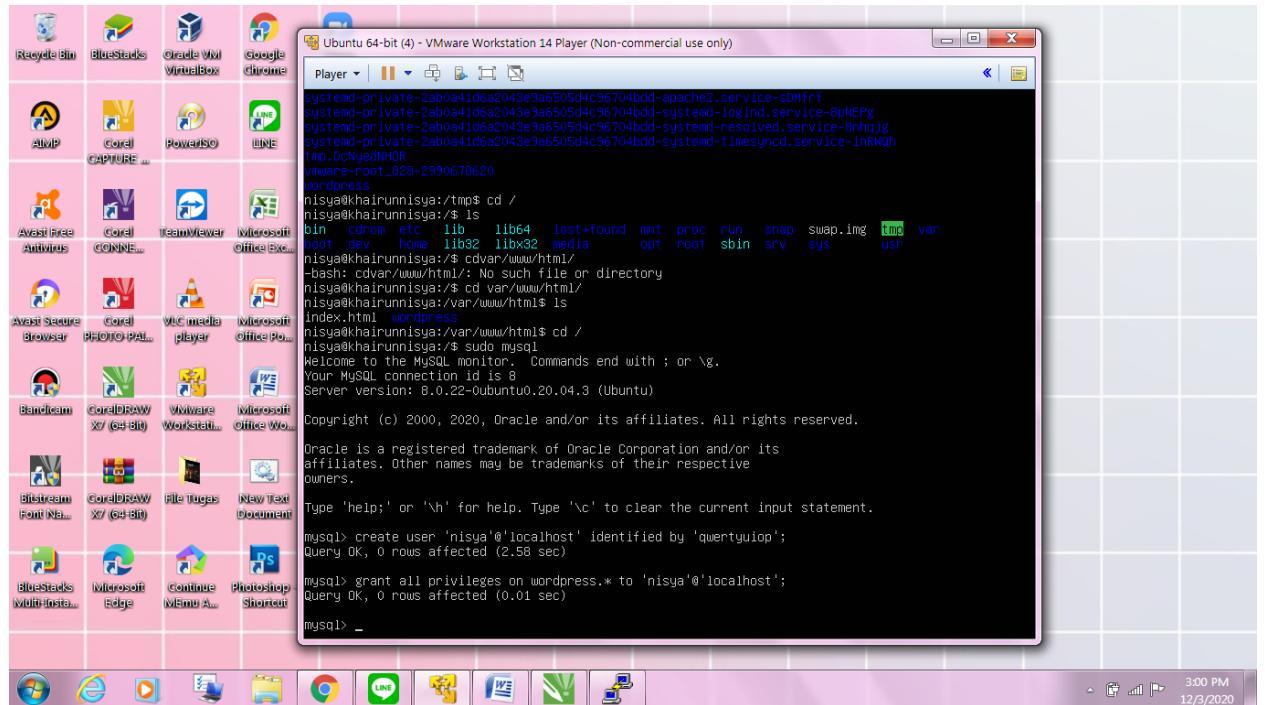


15. Ketik "cd .." kemudian enter

Dan ketik "sudo cp -r word var/www/html/" lalu klik enter dan ketik kembali "ls" dn ketik cd / lalu enter dan ketik ls lagi.



16. Ketik "cd var/www/html/" enter dan ketik ls kembali seperti digambar. Ketik "sudo mysql" enter. Lalu ketik create user 'username'@'localhost' identified by 'password'; lalu klik enter



17. Selanjutnya ketik " grant all privileges on wordpress.* to 'username'@'localhost' lalu klik enter . kemudian ketik flush privileges dan enter. terakhir ketik \q seperti digambar. dan ketik clear

```
nisya@khairunnisyah:/tmp$ cd /
nisya@khairunnisyah:/$ ls
bin  coredump  lib  lib64  lost+found  mnt  proc  run  snap  swap.img  tmp  var
boot  dev  home  lib32  libx32  media  opt  root  sbin  srv  sys
nisya@khairunnisyah:/$ cdvar/www/html/
nisya@khairunnisyah:/$ ls
index.html  wordpress
nisya@khairunnisyah:/$ cd var/www/html/
nisya@khairunnisyah:/$ ls
index.html  wordpress
nisya@khairunnisyah:/$ sudo mysql
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.22-0ubuntu0.20.04.3 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create user 'nisya'@'localhost' identified by 'qwertyuiop';
Query OK, 0 rows affected (2.58 sec)

mysql> grant all privileges on wordpress.* to 'nisya'@'localhost';
Query OK, 0 rows affected (0.01 sec)

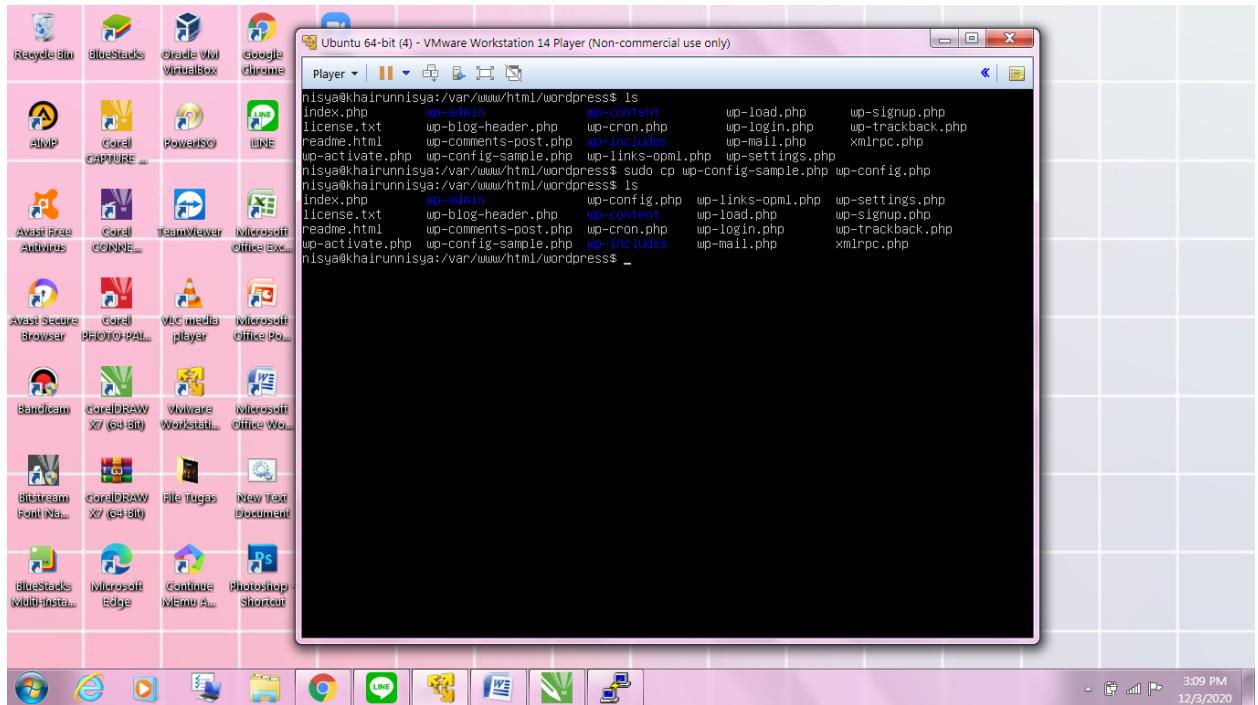
mysql> flush privileges
-> ;
Query OK, 0 rows affected (0.12 sec)

mysql> \q
Bye
nisya@khairunnisyah:/$ clear_
```

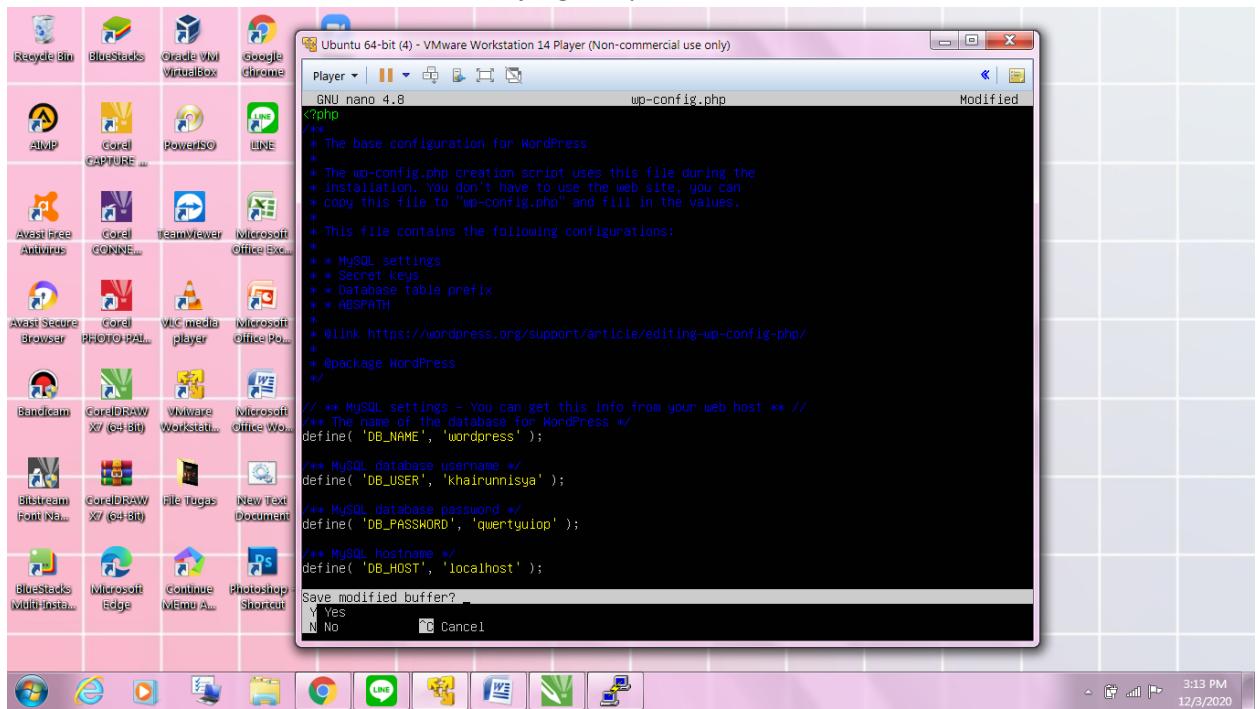
18. Untuk selanjutnya silahkan ikuti seperti digambar

```
nisya@khairunnisyah:/$ cd var/www/html/wordpress/
nisya@khairunnisyah:~/var/www/html/wordpress$ ls
index.php  wp-admin  wp-content  wp-load.php  wp-signup.php
license.txt  wp-blog-header.php  wp-cron.php  wp-login.php  wp-trackback.php
readme.html  wp-comments-post.php  wp-includes  wp-mail.php  xmrpc.php
wp-activate.php  wp-config-sample.php  wp-links-opml.php  wp-settings.php
nisya@khairunnisyah:~/var/www/html/wordpress$ _
```

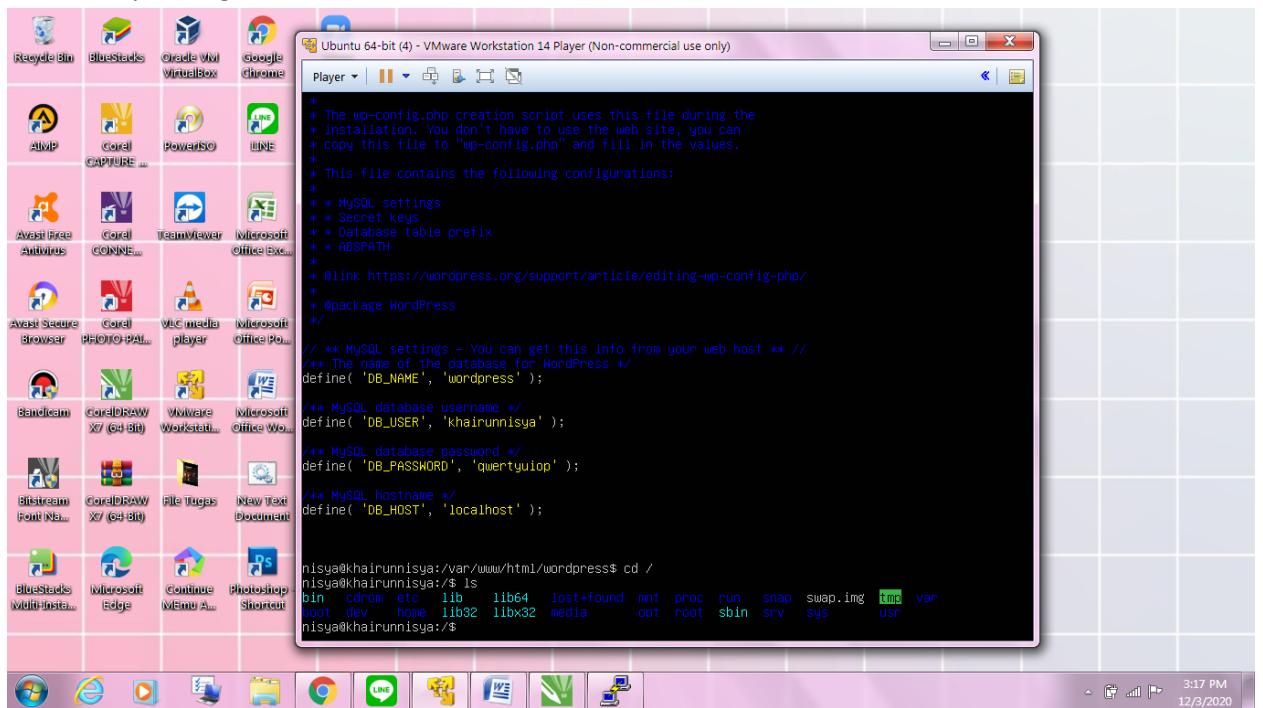
19. Kemudian ketik sudo cp wp-config-sample.php wp-config.php lalu enter. Dan ketik ls.



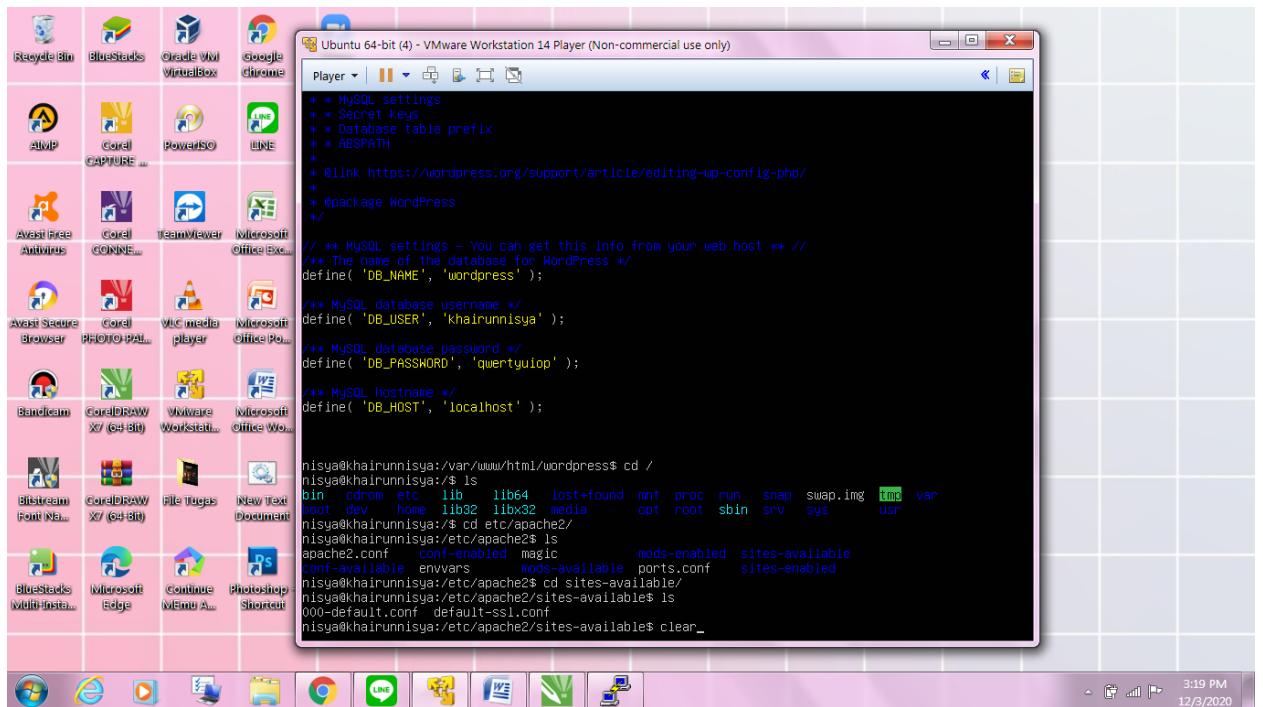
20. Ketik sudo nano wp-config.php . maka tampilannya akan seperti gambar dibawah . dan ubah sesuai data kalian. lalu ketik ctrl+x for exit , jangan lupa disave.



21. Ikuti seperti digambar.



22. Selanjutnya ketik cd etc/apache2/ lalu enter dan ketik ls. Ketik cd sites-available/ lalu enter dan ketik ls. kemudian ketik clear .



23. Ketik "sudo nano 000-default.conf" lalu enter. Pada documentRoot , buat kode menjadi /var/www/html/wordpress/ lalu klik ctrl + x lagi dan jangan lupa disimpan.

24. Untuk tahap terakhir. Kemudian buka chrome dan ketik "ipaddress/wp-admin/install.php"



Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title

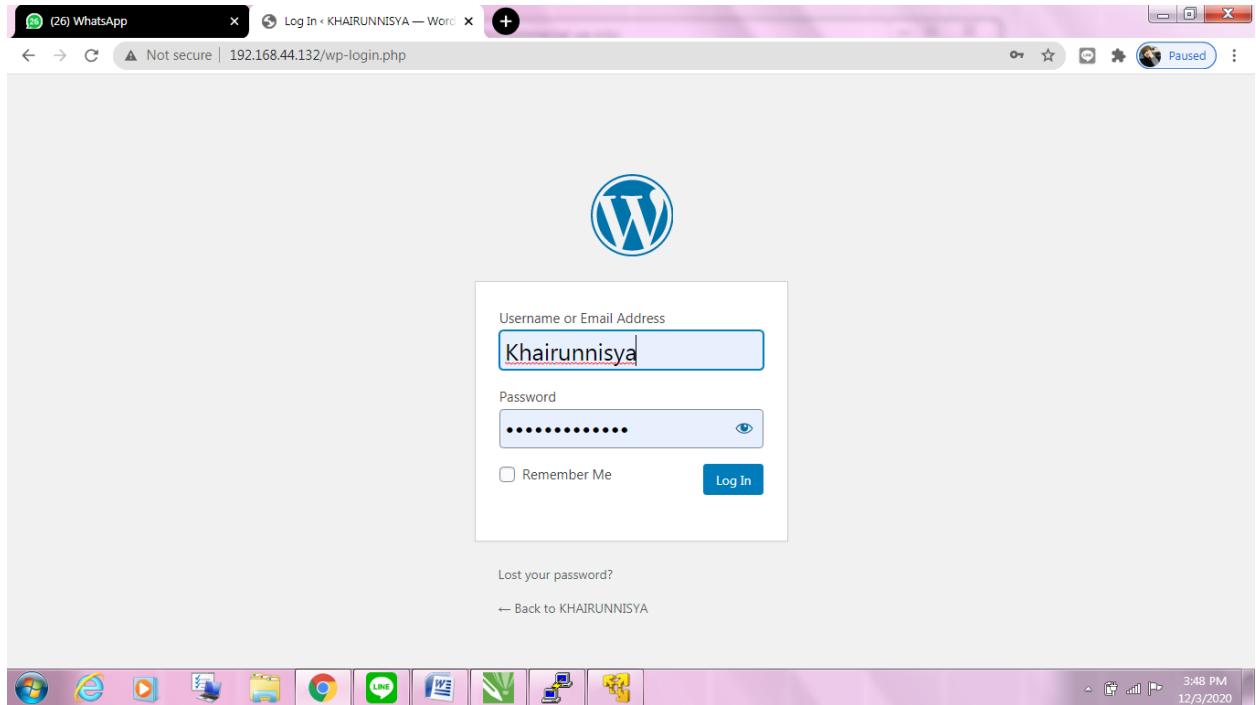
Username
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password KIFNYT7vWwR)G\$oKnJ Hide
Strong
Important: You will need this password to log in. Please store it in a secure location.

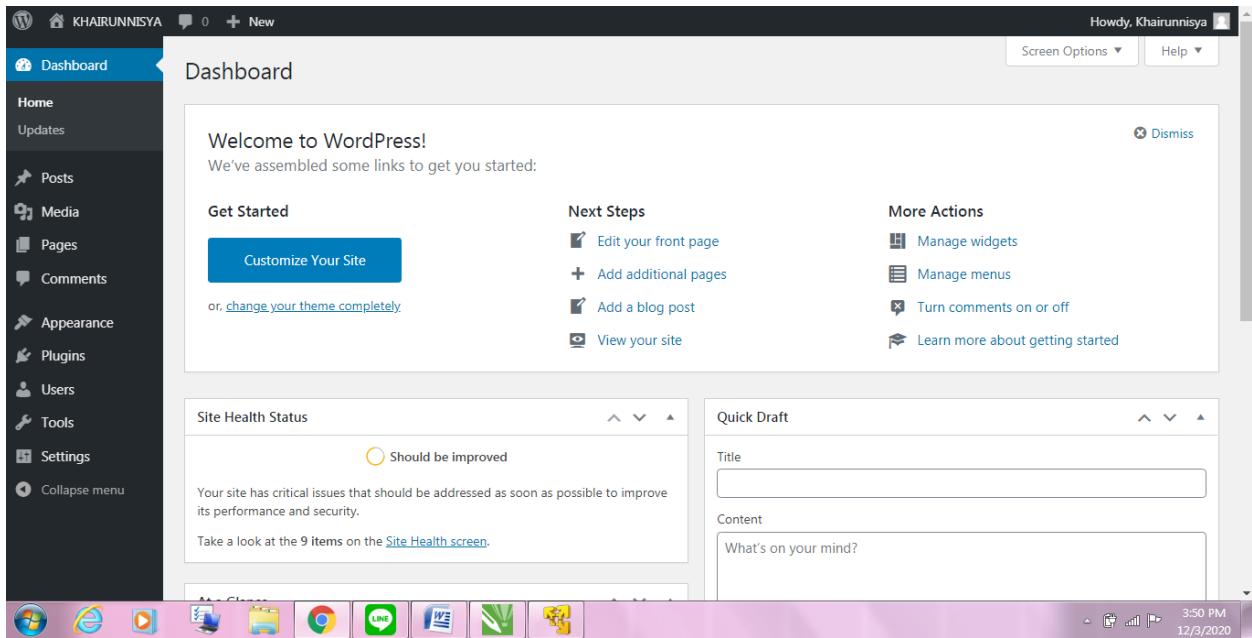
Your Email
Double-check your email address before continuing.

Search Engine Visibility Discourage search engines from indexing this site
It is up to search engines to honor this request.

25. Login Wordpress



26. Lalu Edit Sesuai Keinginan kalian.



27. dan jadi deh.

