

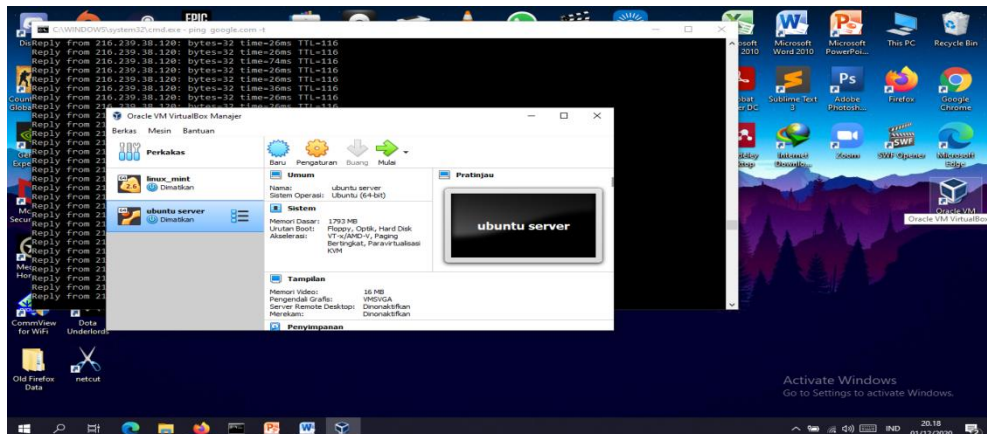
Nama :Ramadhana Noor Salassa Wandya

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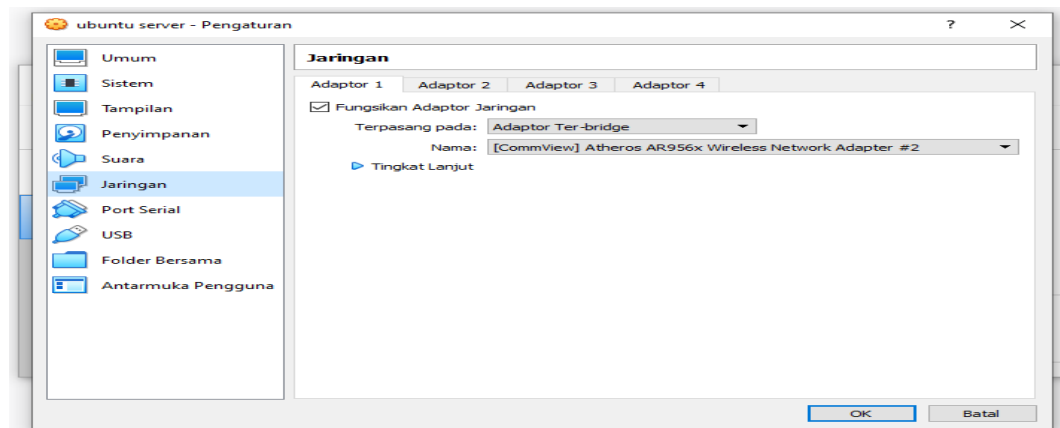
Kelas :SK1A

1. Langkah pertama yang harus dilakukan adalah install ubuntu server di virtual box
Jawaban:

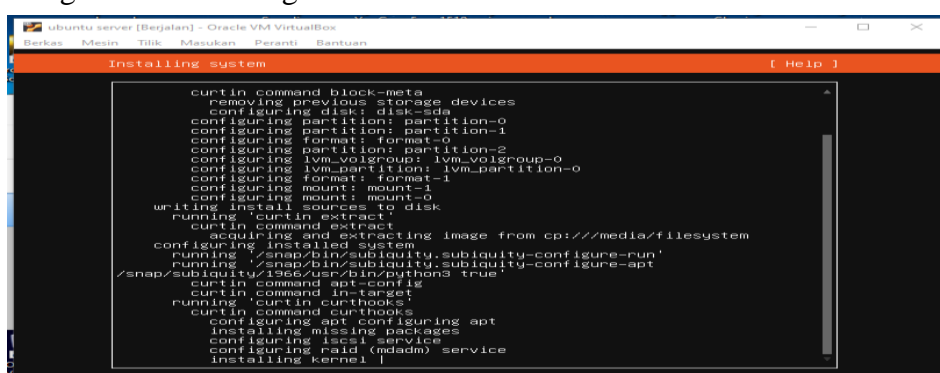
- Klik Icon New pada Virtual Box lalu konfigurasi pengaturan untuk menginstal ubuntu server seperti ukuran virtual ram, virtual harddisk, dan jumlah core yang digunakan oleh processor



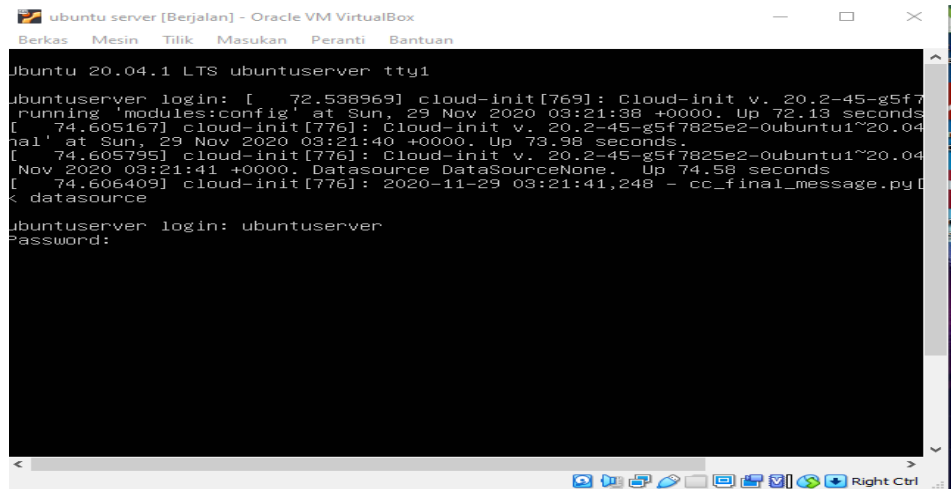
- Setelah selesai melakukan setting, lalu kita akan melakukan setting pada network. Pada adapter 1 gunakan Adapter Bridge dan pada adapter 2 gunakan host only



- Lalu jalankan virtual box anda. Pada saat pemilihan live disc, pilih file ubuntu server yang berekstensi .iso.
- Setelah itu tunggu instalasi hingga selesai. Pada saat ditengah instalasi, anda akan diminta untuk mengisi username, server username dan password yang akan digunakan untuk login ke ubuntu server anda



- Setelah instalasi selesai, lalu login dengan akun yang telah anda buat dengan menggunakan username dan password yang telah anda daftarkan sebelumnya.

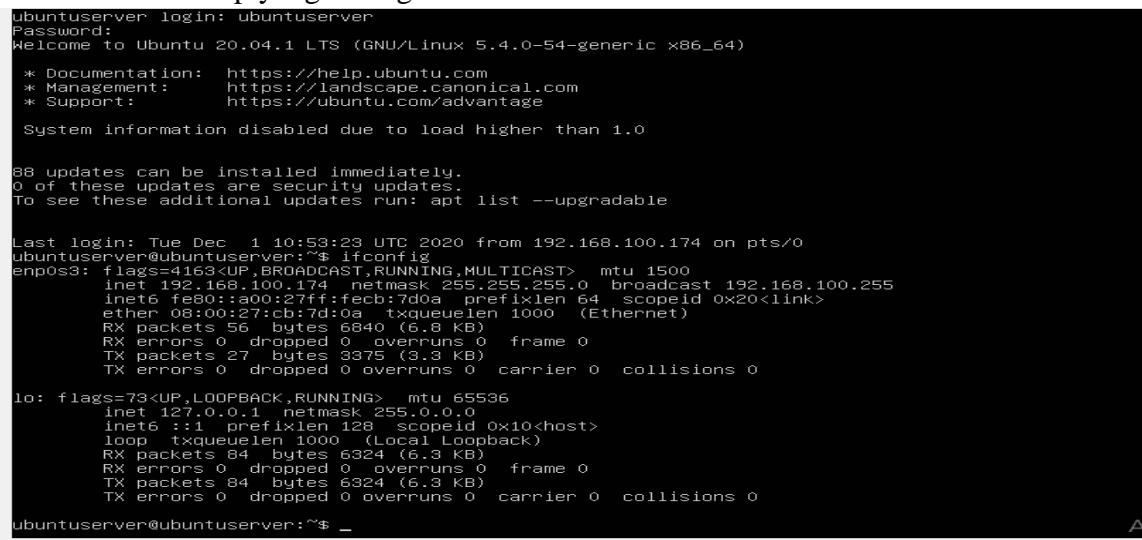


```
ubuntuser login: [ 72.538969] cloud-init[769]: Cloud-init v. 20.2-45-g5f7
running 'modules:config' at Sun, 29 Nov 2020 03:21:38 +0000. Up 72.13 seconds
[ 74.605167] cloud-init[776]: Cloud-init v. 20.2-45-g5f7825e2-0ubuntu1~20.04
nal' at Sun, 29 Nov 2020 03:21:40 +0000. Up 73.98 seconds.
[ 74.605795] cloud-init[776]: Cloud-init v. 20.2-45-g5f7825e2-0ubuntu1~20.04
Nov 2020 03:21:41 +0000. DataSource DataSourceNone. Up 74.58 seconds
[ 74.606409] cloud-init[776]: 2020-11-29 03:21:41,248 - cc_final_message.py[
k datasource

ubuntuser login: ubuntuser
Password:

ubuntuser@ubuntuser:~$
```

- Setelah itu cek ip anda dengan mengetik command : ifconfig. Disitu anda akan menemukan ip yang anda gunakan



```
ubuntuser login: ubuntuser
Password:
Welcome to Ubuntu 20.04.1 LTS (GNU/Linux 5.4.0-54-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information disabled due to load higher than 1.0

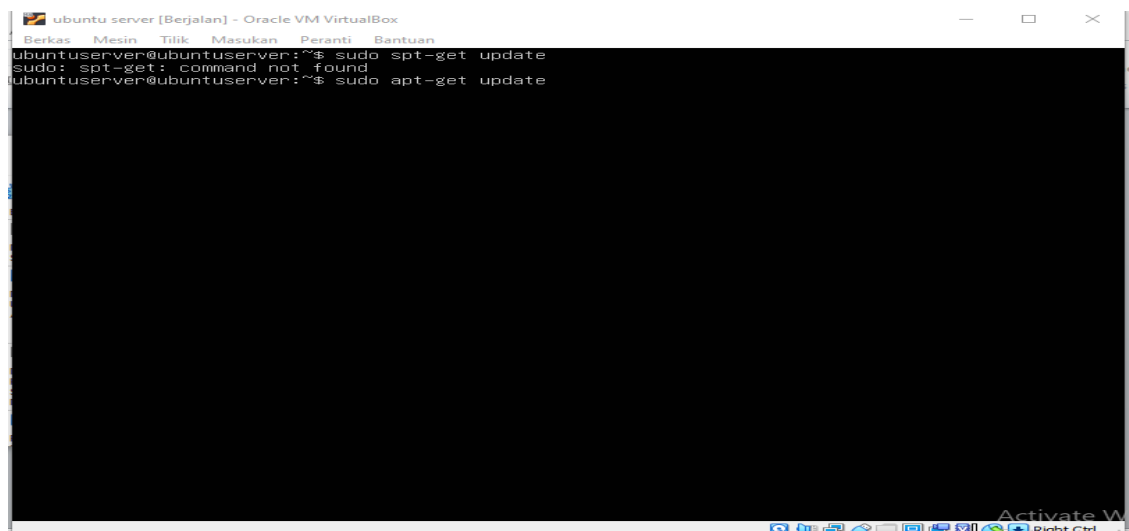
88 updates can be installed immediately.
0 of these updates are security updates.
To see these additional updates run: apt list --upgradable

Last login: Tue Dec  1 10:53:23 UTC 2020 from 192.168.100.174 on pts/0
ubuntuser@ubuntuser:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.100.174 netmask 255.255.255.0 broadcast 192.168.100.255
    ether 08:00:27:cb:7d:0a txqueuelen 1000 (Ethernet)
    RX packets 56 bytes 6840 (6.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 27 bytes 3375 (3.3 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 84 bytes 6324 (6.3 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 84 bytes 6324 (6.3 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ubuntuser@ubuntuser:~$
```

- Setelah itu login ssh dengan format : ssh username@ip
- Setelah melakukan login ssh, cek update yang ada di ubuntu dengan command : sudo apt-get update



```
ubuntuser@ubuntuser:~$ sudo spt-get update
sudo: spt-get: command not found
ubuntuser@ubuntuser:~$ sudo apt-get update
```

6. Setelah itu install apache2 dengan command: `sudo apt-get install apache2`. Lalu tunggu prosesnya hingga selesai

```
ubuntu server [Berjalan] - Oracle VM VirtualBox
Berkas  Mesin  Titik  Masukan  Peranti  Bantuan
ubuntu server@ubuntu server:~$ sudo apt-get install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3
  libaprutil1-ldap libjansson4 liblua5.2-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser openssl-blacklist
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3
  libaprutil1-ldap libjansson4 liblua5.2-0 ssl-cert
0 upgraded, 11 newly installed, 0 to remove and 81 not upgraded.
Need to get 1,865 kB of archives.
After this operation, 8,080 kB of additional disk space will be used.
Do you want to continue? [Y/n] _
```

7. Lalu kita akan menginstall app MariaDB sebagai SQLnya. Caranya dengan command : `sudo apt install mariadb-server mariadb-client -y`. Dan tunggu prosesnya hingga selesai.

```
loop txqueuelen 1000 (Local Loopback)
RX packets 84 bytes 6324 (6.3 KB)
RX errors 0 dropped 0 overruns 0 frame 0
TX packets 84 bytes 6324 (6.3 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ubuntu server@ubuntu server:~$ ssh ubuntu server@192.168.100.174
ubuntu server@192.168.100.174's password:
Welcome to Ubuntu 20.04.1 LTS (GNU/Linux 5.4.0-54-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Tue 01 Dec 2020 11:59:26 AM UTC

System load:  0.28           Processes:      122
Usage of /:   51.8% of 8.79GB Users logged in:  1
Memory usage: 14%          IPv4 address for enp0s3: 192.168.100.174
Swap usage:  0%

88 updates can be installed immediately.
0 of these updates are security updates.
To see these additional updates run: apt list --upgradable

Last login: Tue Dec 1 11:57:05 2020
ubuntu server@ubuntu server:~$ sudo apt install mariadb-server mariadb-client -y
[sudo] password for ubuntu server:
Reading package lists... Done
Building dependency tree
Reading state information... Done
mariadb-client is already the newest version (1:10.3.25-0ubuntu0.20.04.1).
mariadb-server is already the newest version (1:10.3.25-0ubuntu0.20.04.1).
0 upgraded, 0 newly installed, 0 to remove and 81 not upgraded.
ubuntu server@ubuntu server:~$
```

8. Lalu kita start mariaDB dengan command: `sudo systemctl start mariadb`. Dan kita cek status mariaDB dengan command : `sudo systemctl status mariadb`.

```
ubuntu server@ubuntu server:~$ sudo systemctl start mariadb
ubuntu server@ubuntu server:~$ sudo systemctl status mariadb
● mariadb.service - MariaDB 10.3.25 database server
   Loaded: loaded (/lib/systemd/system/mariadb.service; enabled; vendor preset: enabled)
   Active: active (running) since Tue 2020-12-01 11:56:47 UTC; 6min ago
     Docs: man:mysqld(8)
           https://mariadb.com/kb/en/library/systemd/
   Process: 605 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d /var/run/mysql (code=exited, status=0/SUCCESS)
   Process: 625 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=exited, status=0/SUCCESS)
   Process: 641 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] && VAR= || VAR=cd /usr
   Process: 786 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP_START_POSITION (code=exited, status=0/SUCCESS)
   Process: 788 ExecStartPost=/etc/mysql/debian-start (code=exited, status=0/SUCCESS)
  Main PID: 693 (mysqld)
    Status: "Taking your SQL requests now..."
     Tasks: 30 (limit: 1978)
    Memory: 38.1M
    CGroup: /system.slice/mariadb.service
            └─693 /usr/sbin/mysqld

Dec 01 11:56:37 ubuntu server systemd[1]: Starting MariaDB 10.3.25 database server...
Dec 01 11:56:43 ubuntu server mysqld[693]: 2020-12-01 11:56:43 0 [Note] /usr/sbin/mysqld (mysqld 10.3.25) starting as process 693
Dec 01 11:56:43 ubuntu server mysqld[693]: 2020-12-01 11:56:43 0 [Warning] Could not increase number of open files to the recommended 16384: calling sysctl failed: No such file or directory
Dec 01 11:56:47 ubuntu server systemd[1]: Started MariaDB 10.3.25 database server.
Dec 01 11:56:47 ubuntu server /etc/mysql/debian-start[730]: Upgrading MySQL tables if necessary.
Dec 01 11:56:48 ubuntu server /etc/mysql/debian-start[793]: Looking for 'mysql' as: /usr/bin/mysql
Dec 01 11:56:48 ubuntu server /etc/mysql/debian-start[793]: Looking for 'mysqlcheck' as: /usr/bin/mysqlcheck
Dec 01 11:56:48 ubuntu server /etc/mysql/debian-start[793]: This installation of MySQL is already up-to-date
Dec 01 11:56:48 ubuntu server /etc/mysql/debian-start[809]: Checking for insecure root accounts.
Dec 01 11:56:48 ubuntu server /etc/mysql/debian-start[815]: Triggering myisam-recover for all MyISAM tables
lines 1-27/27 (END)
```

9. Lalu kita install mysql dengan command : `sudo mysql_secure_installation`. Dan tunggu prosesnya hingga selesai

```
ubuntuuser@ubuntuuser:~$ sudo mysql_secure_installation
NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB
SERVERS IN PRODUCTION USE! PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current
password for the root user. If you've just installed MariaDB, and
you haven't set the root password yet, the password will be blank,
so you should just press enter here.

Enter current password for root (enter for none):
OK, successfully used password, moving on...

Setting the root password ensures that nobody can log into the MariaDB
root user without the proper authorisation.

Set root password? [Y/n] y
New password:
Re-enter new password: _
```

10. Lalu kita install php dengan command: `sudo apt install php -y`

```
ubuntuuser@ubuntuuser:~$ sudo apt install php -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
php is already the newest version (2:7.4+75).
0 upgraded, 0 newly installed, 0 to remove and 81 not upgraded.
ubuntuuser@ubuntuuser:~$
```

11. Setelah itu kita install app wget yang berfungsi untuk mendownload aplikasi wordpress dengan command: `sudo apt install wget -y`.

```
ubuntuuser@ubuntuuser:~$ sudo apt install wget -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
wget is already the newest version (1.20.3-1ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 81 not upgraded.
ubuntuuser@ubuntuuser:~$ _
```

12. Lalu kita download aplikasi wordpress dengan command : `wget https://wordpress.org/latest.zip`. Tunggu prosesnya hingga selesai

```
ubuntuuser@ubuntuuser:~$ sudo apt install wget -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
wget is already the newest version (1.20.3-1ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 81 not upgraded.
ubuntuuser@ubuntuuser:~$ wget https://wordpress.org/latest.zip
--2020-12-01 12:09:21-- https://wordpress.org/latest.zip
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)[198.143.164.252]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 14009358 (13M) [application/zip]
Saving to: 'latest.zip.1'

latest.zip.1           15%[====>] 2.08M  152KB/s  eta 67s
latest.zip.1           19%[====>] 2.57M  184KB/s  eta 57s
latest.zip.1           100%[=====] 13.36M  177KB/s  in 90s

2020-12-01 12:10:53 (152 KB/s) - 'latest.zip.1' saved [14009358/14009358]

ubuntuuser@ubuntuuser:~$ ls
clear latest.zip latest.zip.1 wordpress
ubuntuuser@ubuntuuser:~$
```

13. Lalu kita cek apakah wordpress yang kita download sudah ada dengan command: `ls`
14. Karena file wordpress yang kita download dalam ekstensi .zip, maka kita butuh aplikasi unzip. Cara menginstallnya adalah dengan command: `sudo apt install unzip -y`

```
ubuntuuser@ubuntuuser:~$ sudo apt install wget -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
wget is already the newest version (1.20.3-1ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 81 not upgraded.
ubuntuuser@ubuntuuser:~$ wget https://wordpress.org/latest.zip
--2020-12-01 12:09:21-- https://wordpress.org/latest.zip
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)[198.143.164.252]:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 14009358 (13M) [application/zip]
Saving to: 'latest.zip.1'

latest.zip.1           15%[====>] 2.08M  152KB/s  eta 67s
latest.zip.1           19%[====>] 2.57M  184KB/s  eta 57s
latest.zip.1           100%[=====] 13.36M  177KB/s  in 90s

2020-12-01 12:10:53 (152 KB/s) - 'latest.zip.1' saved [14009358/14009358]

ubuntuuser@ubuntuuser:~$ ls
clear latest.zip latest.zip.1 wordpress
ubuntuuser@ubuntuuser:~$ sudo apt install unzip -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
unzip is already the newest version (6.0-25ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 81 not upgraded.
ubuntuuser@ubuntuuser:~$
```

15. File wordpress

- Di bagian ini, kita akan mengkonfigurasi file wordpress dengan cara : `cd wordpress/`
 - Pertama jalankan command: `sudo cp -r * /var/www/html`
 - Setelah itu jalankan command : `cd /var/www/html`
 - Ketiga jalankan command `sudo rm -rf index.html`

```
ubuntuuser@ubuntuuser:~$ ls
clear latest.zip latest.zip.1 wordpress
ubuntuuser@ubuntuuser:~$ cd wordpress/
ubuntuuser@ubuntuuser:~/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   xmlrpc.php
wp-activate.php wp-config-sample.php wp-links-opml.php wp-settings.php
ubuntuuser@ubuntuuser:~/wordpress$ cd /var/www/html/
ubuntuuser@ubuntuuser:/var/www/html$ sudo rm -rf index.html
```

16. Instal php my sql dengan cara : `sudo apt install php-mysql php-cgi php-cli php-gd -y` dan tunggu prosesnya hingga selesai.

```
ubuntuuser@ubuntuuser:/var/www/html$ sudo apt install php-mysql php-cgi php-cli php-gd -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
php-cgi is already the newest version (2:7.4+75).
php-cli is already the newest version (2:7.4+75).
php-gd is already the newest version (2:7.4+75).
php-mysql is already the newest version (2:7.4+75).
0 upgraded, 0 newly installed, 0 to remove and 81 not upgraded.
ubuntuuser@ubuntuuser:/var/www/html$
```

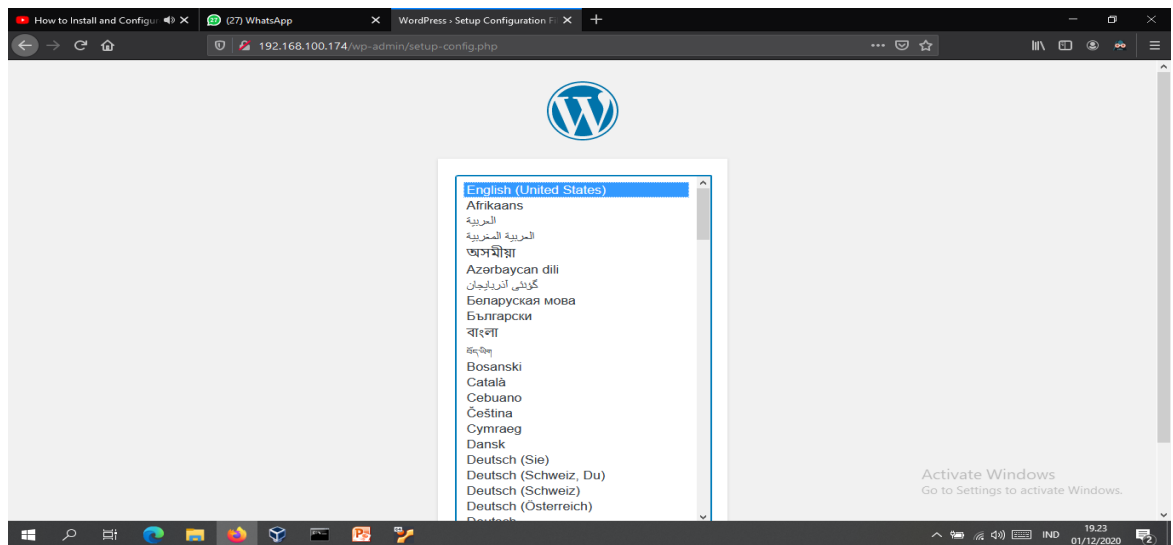
17. Lalu kita restart apache dengan cara : `sudo systemctl restart apache2`

```
ubuntuuser@ubuntuuser:/var/www/html$ sudo systemctl restart apache2
```

18. Jalankan command: `sudo chown -R www-data:www-data /var/www/`

```
permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/views/stats.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/views/connect-jp.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/views/notice.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/views/start.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/views/config.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/views/predefined.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/views/setup.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/views/title.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/views': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/akismet.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet/LICENSE.txt': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins/akismet': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content/plugins': Operation not permitted
chown: changing ownership of '/var/www/html/wp-content': Operation not permitted
chown: changing ownership of '/var/www/html/wp-load.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-activate.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-mail.php': Operation not permitted
chown: changing ownership of '/var/www/html/wp-links-opml.php': Operation not permitted
chown: changing ownership of '/var/www/html/xmlrpc.php': Operation not permitted
chown: changing ownership of '/var/www/html/readme.html': Operation not permitted
chown: changing ownership of '/var/www/html': Operation not permitted
chown: changing ownership of '/var/www': Operation not permitted
ubuntuuser@ubuntuuser:/var/www/html$ sudo chown -R www-data:www-data /var/www/
ubuntuuser@ubuntuuser:/var/www/html$
```

19. Lalu buka web browser anda dan masukkan ip anda. Cara mengecek ip dengan command : ifconfig



20. Apabila sudah muncul wordpress di web browser anda, artinya server anda sudah online dan anda hanya tinggal mengkonfigurasi database anda dengan menggunakan mariaDB
21. Jalankan mariaDB dengan command : `sudo mysql -u root -p`.
22. Dan konfigurasi mariaDB anda untuk mendapatkan access ke wordpress

```
ubuntu@ubuntu:~$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 44
Server version: 10.3.25-MariaDB-0ubuntu0.20.04.1 Ubuntu 20.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> create database wordpress;
Query OK, 1 row affected (0.000 sec)

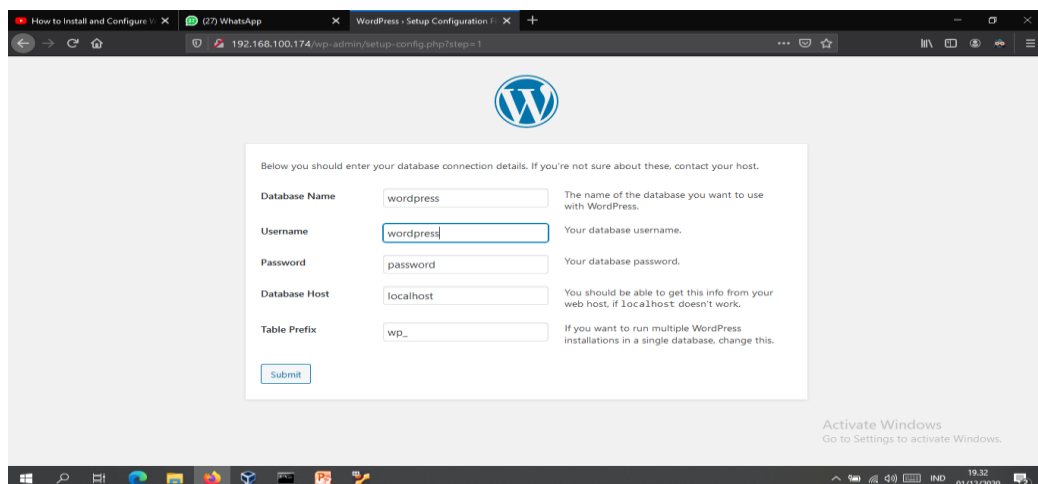
MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| wordpress |
+-----+
4 rows in set (0.033 sec)

MariaDB [(none)]> create user "wordpress"@"%" identified by "password";
Query OK, 0 rows affected (0.001 sec)

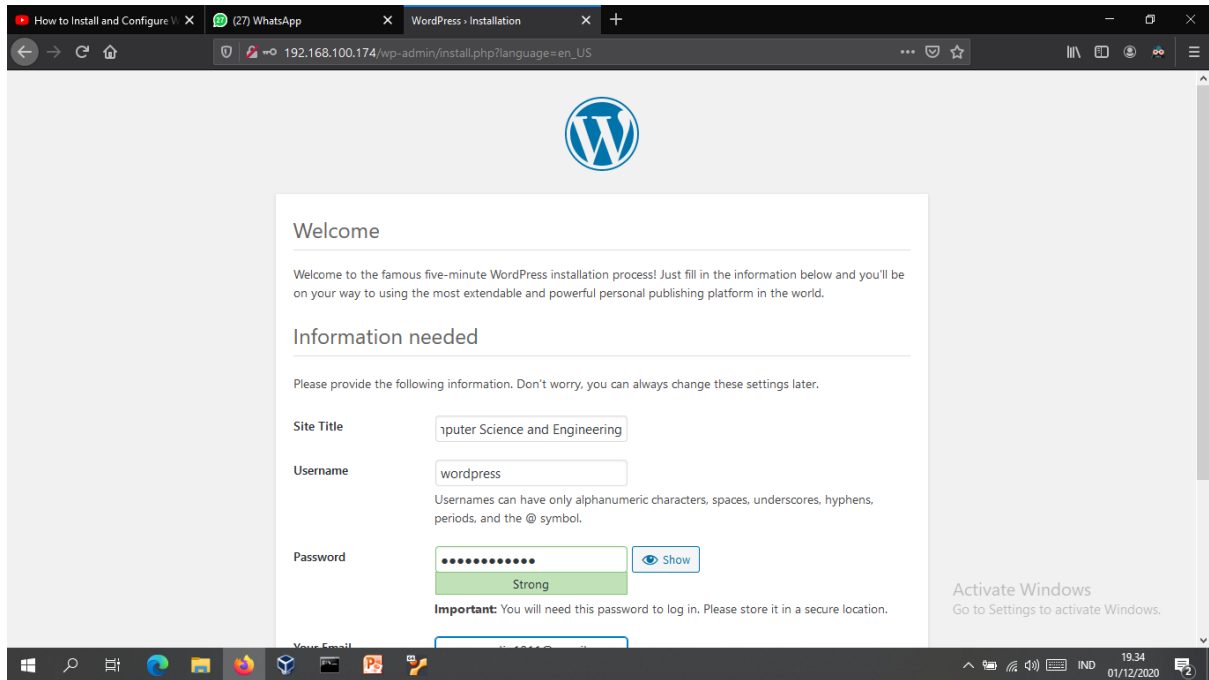
MariaDB [(none)]> grant all privileges on wordpress
->
-> grant all privileges on wordpress.* to "wordpress"@"%";
ERROR 1046 (3D000): No database selected
MariaDB [(none)]> grant all privileges on wordpress.* to "wordpress"@"%";
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]>
```

23. Register wordpress anda dengan username dan password yang telah anda konfigurasi.



24. Setelah konfigurasi, login ke wordpress anda untuk mendapatkan access sebagai admin



25. Wordpress anda siap untuk digunakan!

