

TUGAS MEMBUAT WORDPRESS DI UBUNTU SERVER

BY : SEPTIANI KUSUMA NINGRUM
(09011182025018)

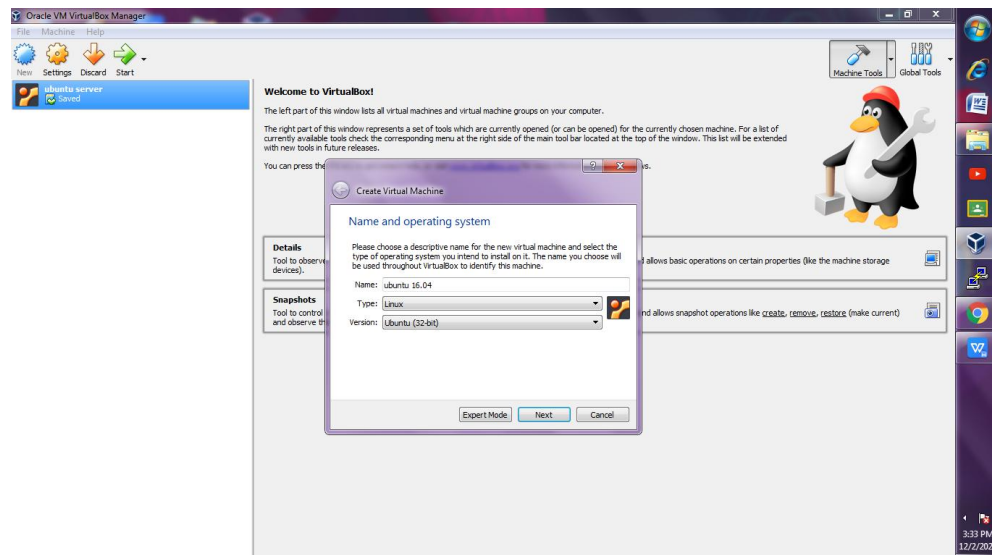
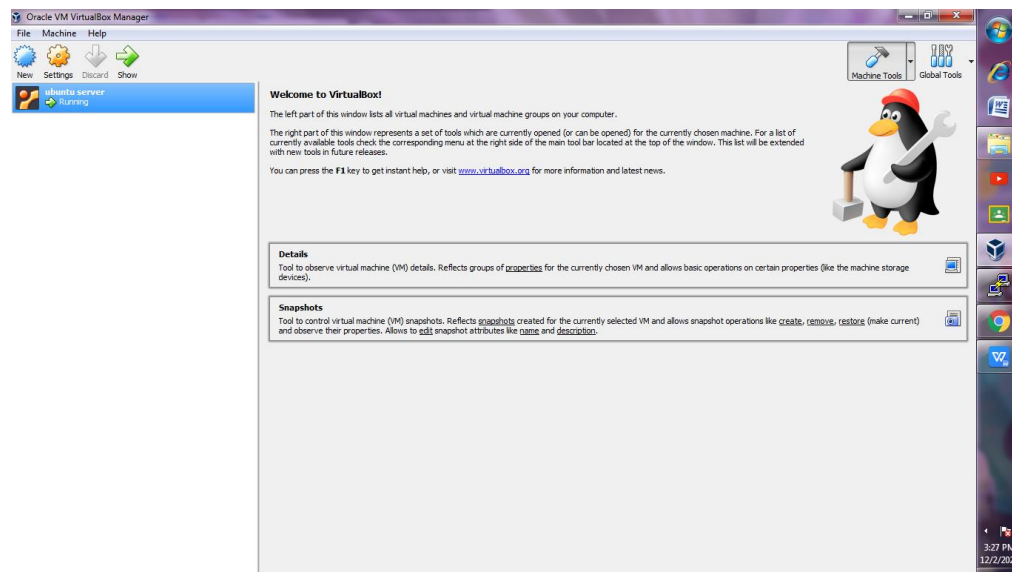
MATAKULIAH : PENGANTAR TELEKOMUNIKASI

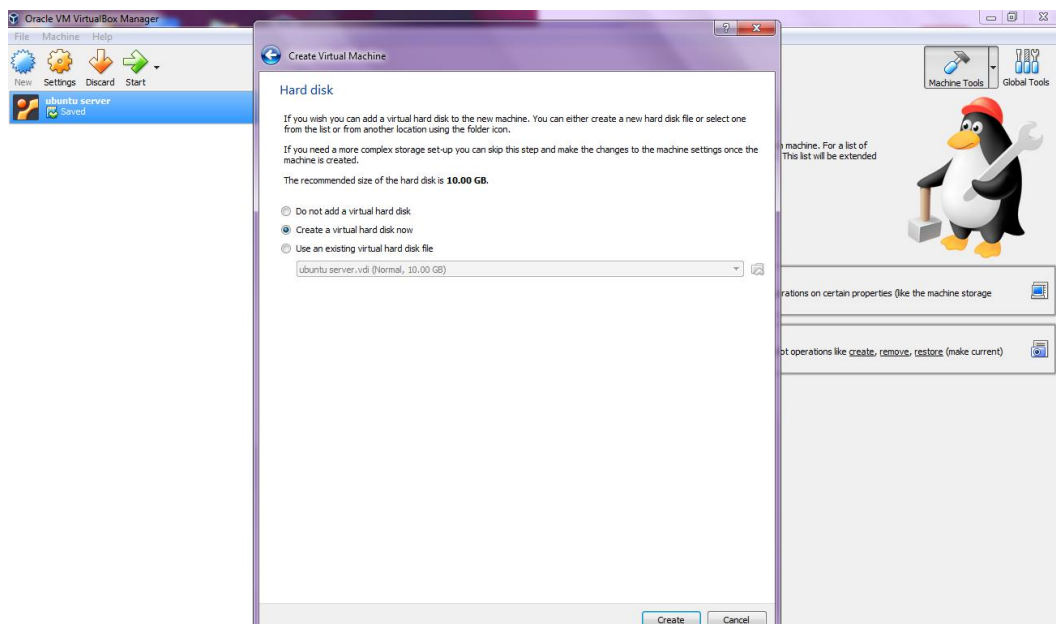
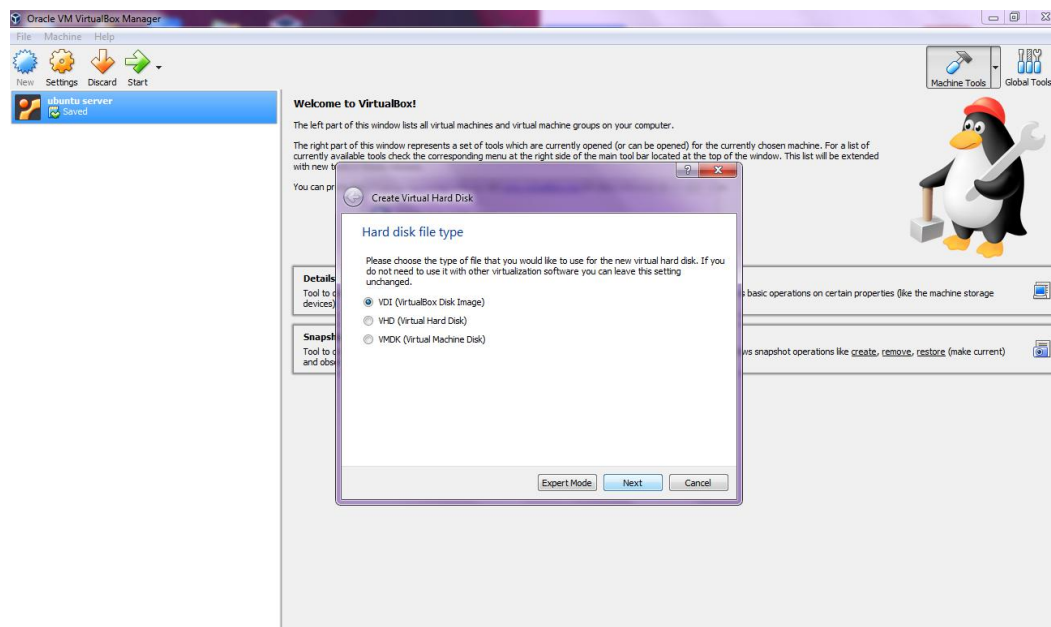
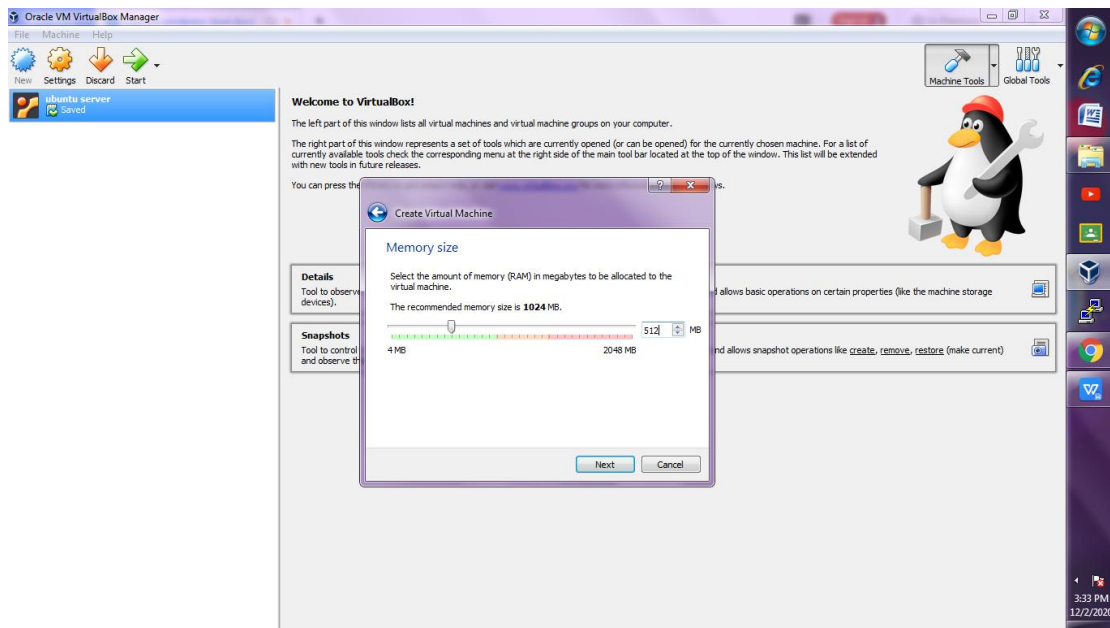
DOSEN PENGAMPU : ADI HERMANSYAH,S.Kom,M.T

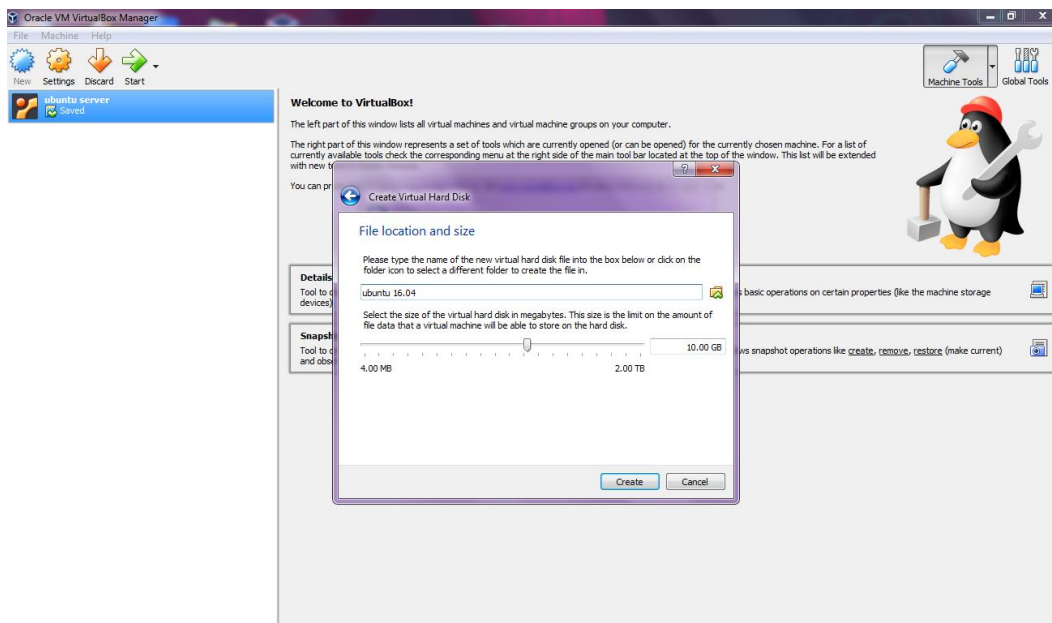
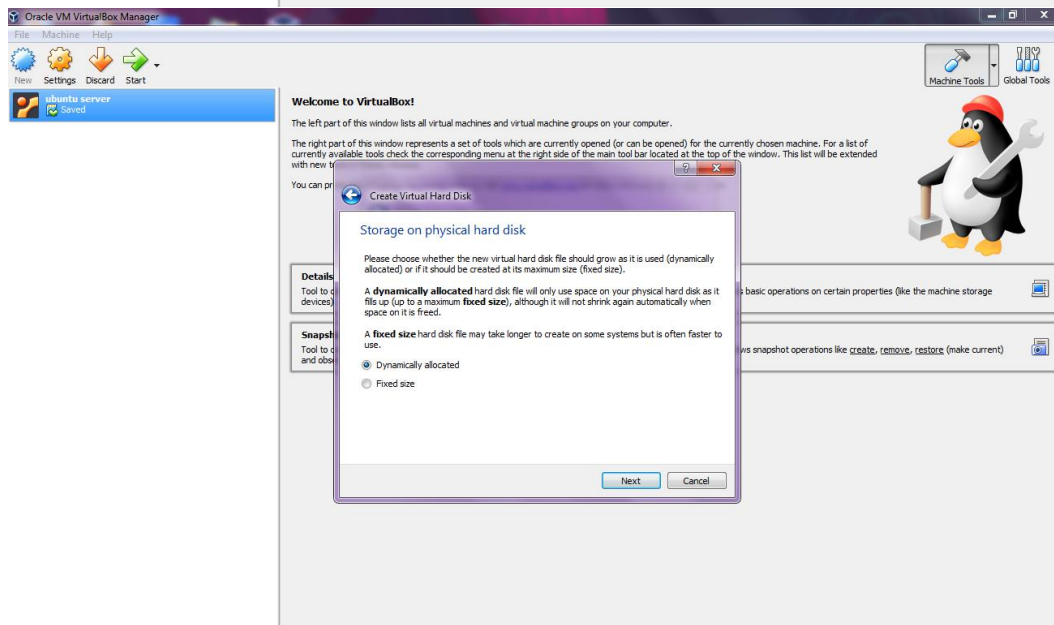
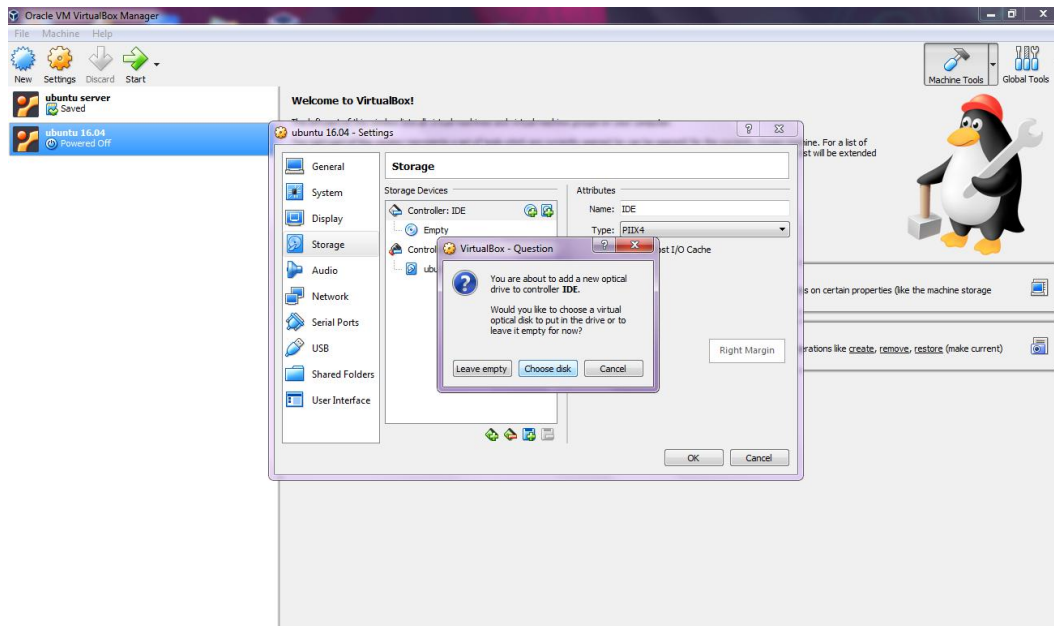
Yang diperlukan:

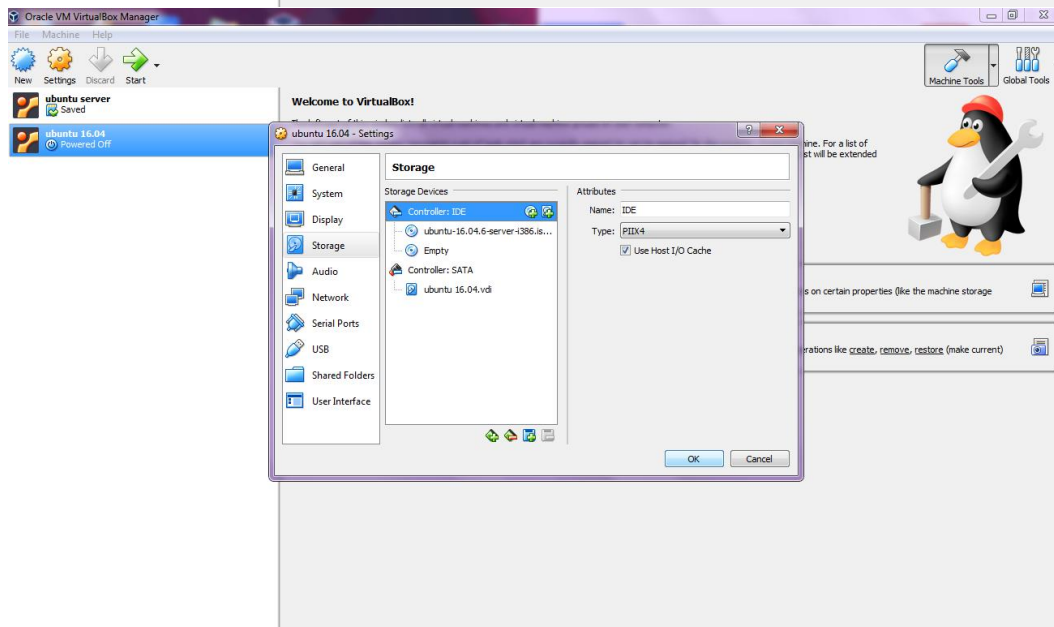
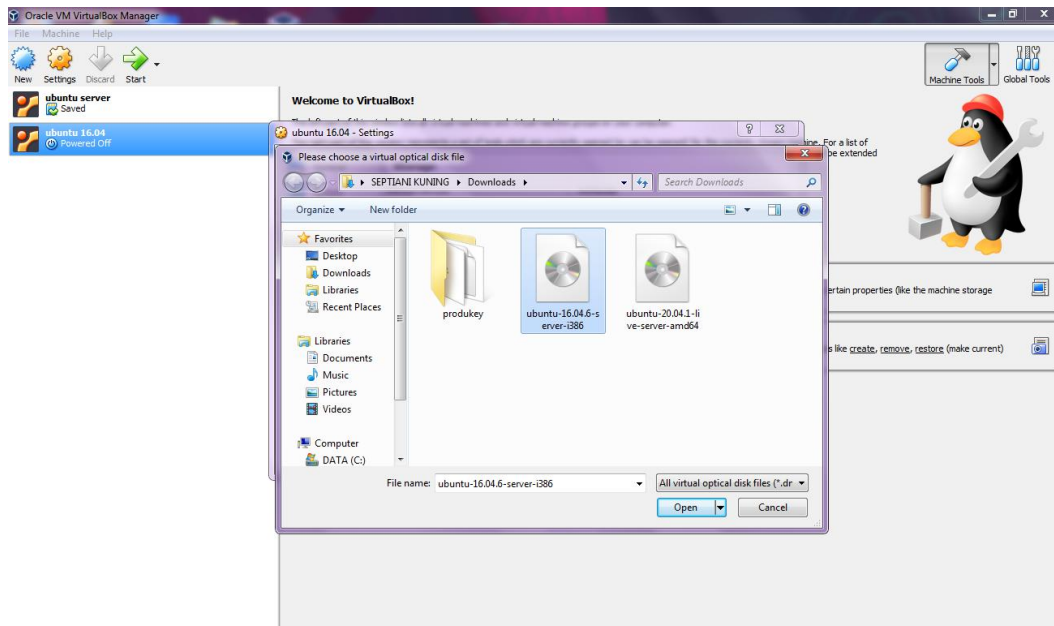
- 1. Virtual Box**
- 2. Ubuntu server (Dalam hal ini, saya menggunakan Ubuntu server 16.04 32bit)**
- 3. Aplikasi Putty**

Berikut langkah langkah nya :









Setelah selesai di setting, maka akan keluar tampilan seperti di bawah ini





Install Ubuntu Server

- Install Ubuntu Server with the HWE kernel
- Install MAAS Region Controller
- Install MAAS Rack Controller
- Check disc for defects
- Test memory
- Boot from first hard disk
- Rescue a broken system

F1 Help F2 Language F3 Keymap F4 Modes F5 Accessibility F6 Other Options

[!!] Select a language

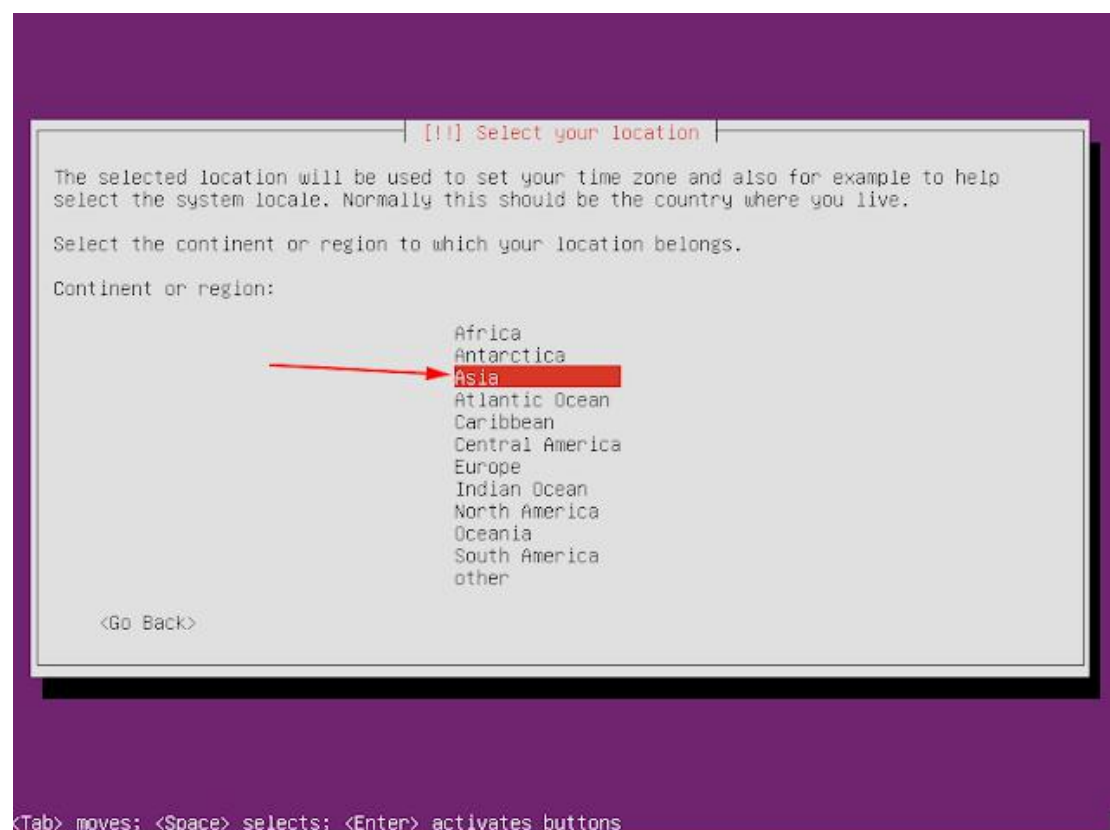
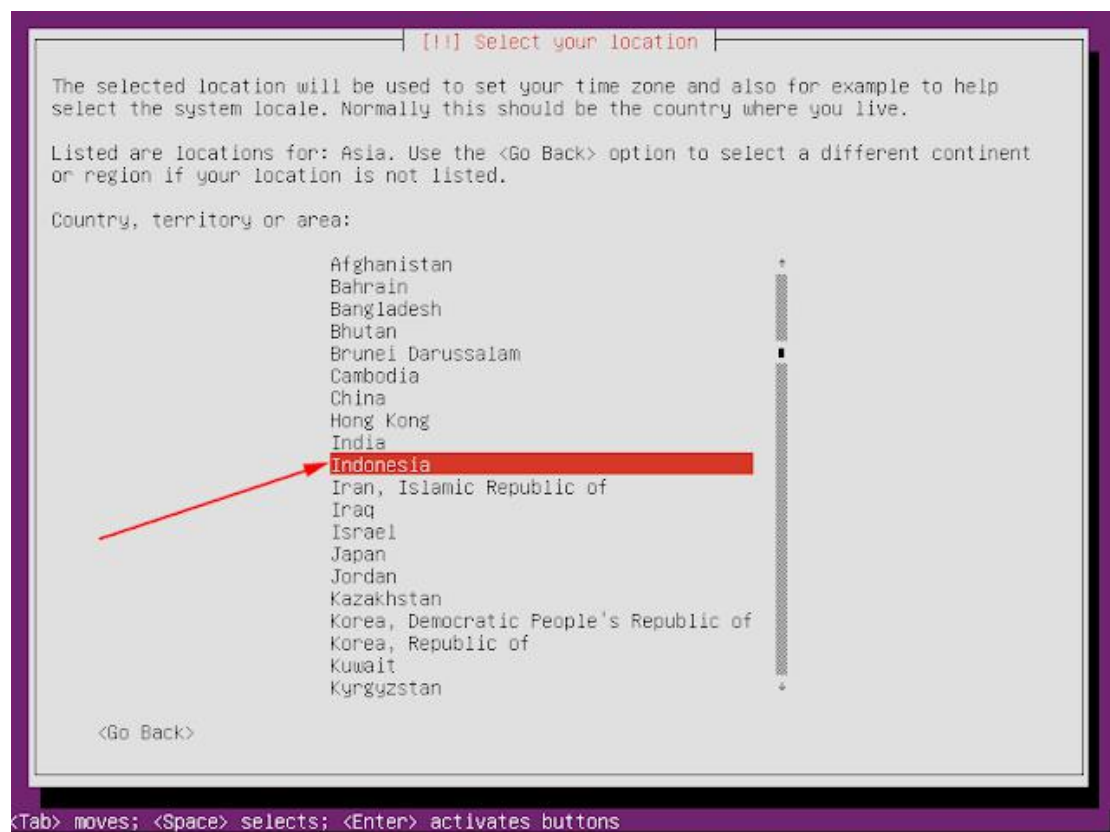
Choose the language to be used for the installation process. The selected language will also be the default language for the installed system.

Language:

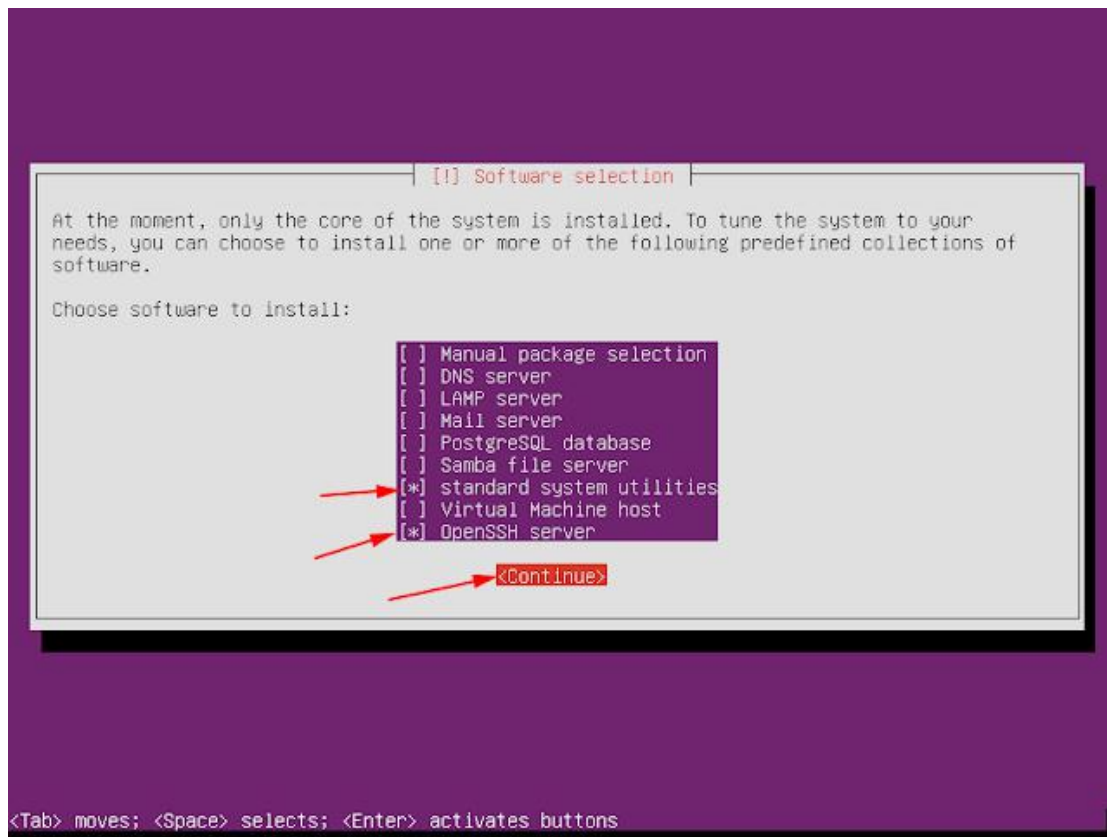
C	- No localization
Albanian	- Shqip
Arabic	- عربي
Asturian	- Asturianu
Basque	- Euskara
Belarusian	- Беларуская
Bosnian	- Bosanski
Bulgarian	- Български
Catalan	- Català
Chinese (Simplified)	- 中文(简体)
Chinese (Traditional)	- 中文(繁體)
Croatian	- Hrvatski
Czech	- Čeština
Danish	- Dansk
Dutch	- Nederlands
English	- English
Esperanto	- Esperanto
Estonian	- Eesti
Finnish	- Suomi
French	- Français
Galician	- Galego
German	- Deutsch
Greek	- Ελληνικά

<Go Back>

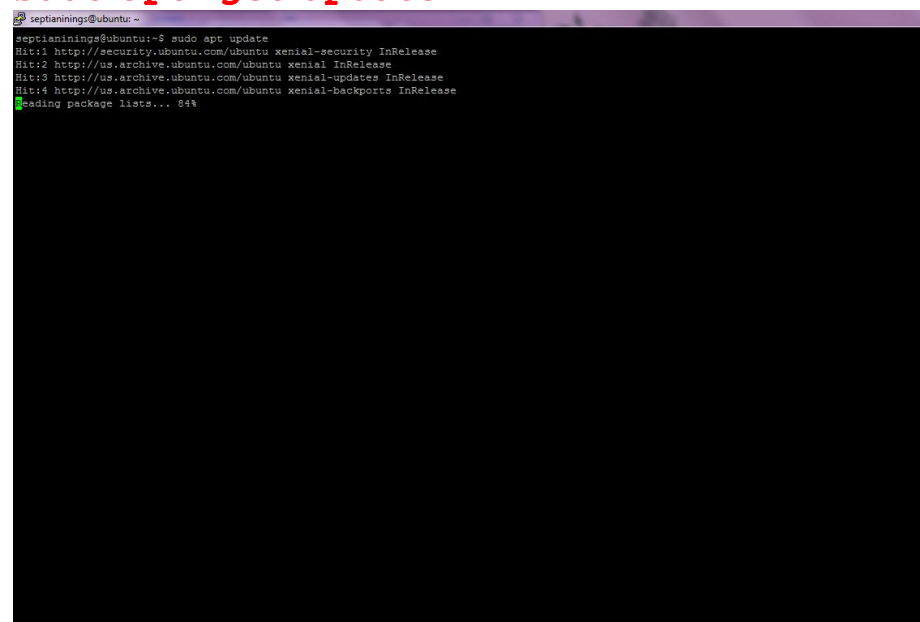
<Tab> moves; <Space> selects; <Enter> activates buttons



Kemudian pilih sesuai kebutuhan untuk diinstal



Setelah selesai, akan ada tampilan berikut, yaitu diminta untuk login dan sudo apt-get update




```

septianinings@ubuntu: ~
septianinings@192.168.43.128's password:
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-142-generic i686)

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

222 packages can be updated.
170 updates are security updates.

New release '16.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.


The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

Last login: Wed Dec  2 10:49:35 2020
septianinings@ubuntu:~$ sudo apt install mariadb-server mariadb-client -y
[sudo] password for septianinings:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libdbd-mysql-perl libdbi-perl libmysqldclient20 libterm-readkey-perl
  mariadb-client-10.0 mariadb-client-core-10.0 mariadb-common
  mariadb-server-10.0 mariadb-server-core-10.0
Suggested packages:
  liblone-perl libltdl-perl libnet-daemon-perl libssl-statement-perl
  mailx mariadb-test tinyca
The following packages will be REMOVED:
  mysql-client-5.7 mysql-client-core-5.7 mysql-server mysql-server-5.7
  mysql-server-core-5.7
The following NEW packages will be installed:
  libdbd-mysql-perl libdbi-perl libmysqldclient20 libterm-readkey-perl
  mariadb-client mariadb-client-10.0 mariadb-client-core-10.0
  mariadb-common mariadb-server mariadb-server-10.0
  mariadb-server-core-10.0
0 upgraded, 11 newly installed, 5 to remove and 211 not upgraded.
Need to get 16.1 MB of archives.
After this operation, 16.1 MB disk space will be freed.

```

sudo apt-get install apache
sudo apache2ctl configtest
sudo nano /etc/apache2/apache2.conf



Apache2 Ubuntu Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```

/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf

```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod`, `a2dismod`, `a2ensite`, `a2dissite`, and `a2enconf`, `a2disconf`. See their respective man pages for detailed information.
- The binary is called `apache2`. Due to the use of environment variables, in the default configuration, `apache2` needs to be started/stopped with `/etc/init.d/apache2` or `apache2ctl`. Calling `/usr/bin/apache2` directly will not work with the default configuration.

Document Roots

By default, Ubuntu does not allow access through the web browser to any file apart of those located in `/var/www`, `public_html` directories (when enabled) and `/usr/share` (for web applications). If your site is using a web document root located elsewhere (such as in `/srv`) you may need to whitelist your document root directory in `/etc/apache2/apache2.conf`.

The default Ubuntu document root is `/var/www/html`. You can make your own virtual hosts under `/var/www`. This is different to previous releases which provides better security out of the box.

Reporting Problems

Please use the `ubuntu-bug` tool to report bugs in the Apache2 package with Ubuntu. However, check **existing bug reports** before reporting a new bug.

Please report bugs specific to modules (such as PHP and others) to respective packages, not to the web server itself.

sudo ufw app list
sudo ufw app info "Apache Full"
sudo ufw allow in "Apache Full"

**Kemudian ketika selesai, lanjut untuk menginstal
mysql**
sudo apt-get install mysql-server
mysql_secure_installation

```
septianinings@ubuntu: /var/www/html
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: enp0e3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state DOWN group default qlen 1000
    link/ether 08:00:27:09:7bb5 brd ff:ff:ff:ff:ff:ff
    inet 192.168.49.123/24 brd 192.168.49.255 scope global enp0e3
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe09:7bb5/64 scope link
        valid_lft forever preferred_lft forever
3: virbr0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
    link/ether 52:54:00:18:9e:40 brd ff:ff:ff:ff:ff:ff
    inet 192.168.122.1/24 brd 192.168.122.255 scope global virbr0
        valid_lft forever preferred_lft forever
4: virbr0-nic: <BROADCAST,MULTICAST> mtu 1500 qdisc pfifo_fast master virbr0 state DOWN group default qlen 1000
    link/ether 52:54:00:18:9e:40 brd ff:ff:ff:ff:ff:ff
septianinings@ubuntu: /var/www/html$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 53
Server version: 10.0.38-MariaDB-0ubuntu0.16.04.1 Ubuntu 16.04
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 wordpress123;
Query OK, 1 row affected (0.04 sec)

MariaDB [(none)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| wordpress123 |
+-----+
4 rows in set (0.24 sec)

MariaDB [(none)]>
```

```
septianinings@ubuntu: /var/www/html
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| wordpress123 |
+-----+
4 rows in set (0.24 sec)

MariaDB [(none)]> create user "septianinings"@% identified by "Kuning1126";
Query OK, 0 rows affected (0.11 sec)

MariaDB [(none)]> grant all privileges to wordpress123.* to "septianinings"@"%";
%:
-> grant all privileges to wordpress123.* to "septianinings"@"%";
-> grant all privileges on wordpress123.* to "septianinings"@"%";
-> Ctrl-C -- exit!
Aborted
septianinings@ubuntu: /var/www/html$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 54
Server version: 10.0.38-MariaDB-0ubuntu0.16.04.1 Ubuntu 16.04
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)]> show databases
-> ;
+-----+
| Database |
+-----+
| information_schema |
| mysql |
| performance_schema |
| wordpress123 |
+-----+
4 rows in set (0.00 sec)

MariaDB [(none)]> grant all privileges on wordpress123.* to "septianinings"@"%";
Query OK, 0 rows affected (0.00 sec)


MariaDB [(none)]> exit
Bye
septianinings@ubuntu: /var/www/html$
```

```
sudo apt-get install php libapache2-mod-php
php-mcrypt php-mysql
sudo nano /etc/apache2/mods-enabled/dir.conf
sudo systemctl status apache2
```

Sesudah menginstall apache, masukkan perintah
\$ cd /var/www/html/
\$ wget <http://wordpress.org/latest.zip>
Untuk menginstall wordpress


```
septianings@ubuntu:~$ sudo apt-get install php libapache2-mod-php php-mcrypt php-mysql
Suggested packages:
  php-pear
The following NEW packages will be installed:
  php php7.0
The following packages will be upgraded:
  libapache2-mod-php7.0 php7.0-cgi php7.0-common php7.0-json php7.0-mysql
  php7.0-opcache php7.0-readline
7 upgraded, 2 newly installed, 0 to remove and 202 not upgraded.
Need to get 3,728 kB of archives.
After this operation, 23.6 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu xenial-updates/main i386 php7.0-mys
ql i386 7.0.33-0ubuntu0.16.04.16 [131 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu xenial-updates/main i386 php7.0-jso
n i386 7.0.33-0ubuntu0.16.04.16 [17.1 kB]
Get:3 http://us.archive.ubuntu.com/ubuntu xenial-updates/main i386 php7.0-opc
ache i386 7.0.33-0ubuntu0.16.04.16 [54.1 kB]
Get:4 http://us.archive.ubuntu.com/ubuntu xenial-updates/main i386 php7.0-rea
dline i386 7.0.33-0ubuntu0.16.04.16 [13.5 kB]
Get:5 http://us.archive.ubuntu.com/ubuntu xenial-updates/main i386 php7.0-cgi
 i386 7.0.33-0ubuntu0.16.04.16 [1,336 kB]
Err:6 http://security.ubuntu.com/ubuntu xenial-security/main i386 libapache2-
mod-php7.0 i386 7.0.33-0ubuntu0.16.04.16
 502 Server Hangup
Get:7 http://us.archive.ubuntu.com/ubuntu xenial-updates/main i386 php7.0-com
mon i386 7.0.33-0ubuntu0.16.04.16 [560 kB]
Get:8 http://security.ubuntu.com/ubuntu xenial-security/main i386 libapache2-
mod-php7.0 i386 7.0.33-0ubuntu0.16.04.16 [1,282 kB]
Get:9 http://us.archive.ubuntu.com/ubuntu xenial-updates/main i386 php7.0 all 7.0.33-0ubuntu0.16.04.16 [1,300 B]
Get:10 http://us.archive.ubuntu.com/ubuntu xenial-updates/main i386 php all 1:7.0+35ubuntu6.1 [2,862 B]
Fetched 3,728 kB in 13s (283 kB/s)
(Reading database ... 64712 files and directories currently installed.)
Preparing to unpack .../php7.0-mysql_7.0.33-0ubuntu0.16.04.16_i386.deb ...
Unpacking php7.0-mysql (7.0.33-0ubuntu0.16.04.16) over (7.0.33-0ubuntu0.16.04.1) ...
Preparing to unpack .../php7.0-json_7.0.33-0ubuntu0.16.04.16_i386.deb ...
Unpacking php7.0-json (7.0.33-0ubuntu0.16.04.16) over (7.0.33-0ubuntu0.16.04.1) ...
Preparing to unpack .../php7.0-opcache_7.0.33-0ubuntu0.16.04.16_i386.deb ...
Unpacking php7.0-opcache (7.0.33-0ubuntu0.16.04.16) over (7.0.33-0ubuntu0.16.04.1) ...
Preparing to unpack .../php7.0-readline_7.0.33-0ubuntu0.16.04.16_i386.deb ...
Unpacking php7.0-readline (7.0.33-0ubuntu0.16.04.16) over (7.0.33-0ubuntu0.16.04.1) ...
Preparing to unpack .../php7.0-cgi_7.0.33-0ubuntu0.16.04.16_i386.deb ...
Unpacking php7.0-cgi (7.0.33-0ubuntu0.16.04.16) over (7.0.33-0ubuntu0.16.04.1) ...
Preparing to unpack .../libapache2-mod-php7.0_7.0.33-0ubuntu0.16.04.16_i386.deb ...
Unpacking libapache2-mod-php7.0 (7.0.33-0ubuntu0.16.04.16) over (7.0.33-0ubuntu0.16.04.1) ...
Progress: [ 31%] [#####]
```

PHP Version 7.0.4-7ubuntu1

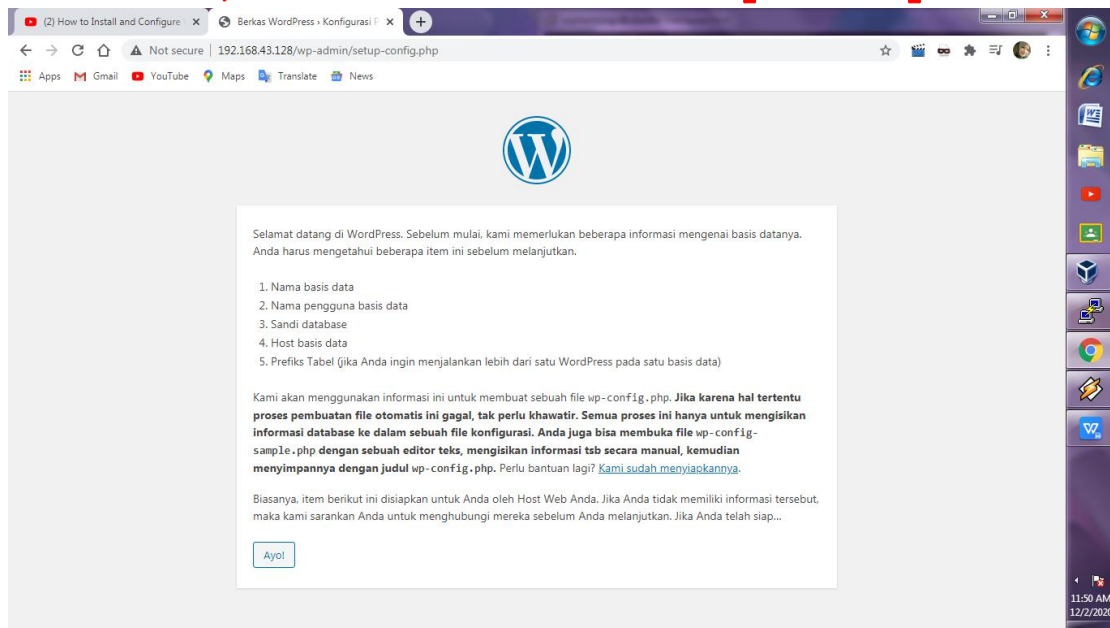


System	Linux ubuntu-16-lamp 4.4.0-12-generic #28-Ubuntu SMP Wed Mar 9 00:33:55 UTC 2016 x86_64
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.0/apache2
Loaded Configuration File	/etc/php/7.0/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.0/apache2/conf.d
Additional .ini files parsed	/etc/php/7.0/apache2/conf.d/10-mysqlnd.ini, /etc/php/7.0/apache2/conf.d/10-opcache.ini, /etc/php/7.0/apache2/conf.d/10-pdo.ini, /etc/php/7.0/apache2/conf.d/20-calendar.ini, /etc/php/7.0/apache2/conf.d/20-ctype.ini, /etc/php/7.0/apache2/conf.d/20-exif.ini, /etc/php/7.0/apache2/conf.d/20-fileinfo.ini, /etc/php/7.0/apache2/conf.d/20-ftp.ini, /etc/php/7.0/apache2/conf.d/20-gettext.ini, /etc/php/7.0/apache2/conf.d/20-iconv.ini, /etc/php/7.0/apache2/conf.d/20-json.ini, /etc/php/7.0/apache2/conf.d/20-mcrypt.ini, /etc/php/7.0/apache2/conf.d/20-mysql.ini, /etc/php/7.0/apache2/conf.d/20-pdo_mysql.ini, /etc/php/7.0/apache2/conf.d/20-phar.ini, /etc/php/7.0/apache2/conf.d/20-posix.ini, /etc/php/7.0/apache2/conf.d/20-readline.ini, /etc/php/7.0/apache2/conf.d/20-shmop.ini, /etc/php/7.0/apache2/conf.d/20-sockets.ini, /etc/php/7.0/apache2/conf.d/20-sysvmsg.ini, /etc/php/7.0/apache2/conf.d/20-sysvsem.ini, /etc/php/7.0/apache2/conf.d/20-sysvshm.ini, /etc/php/7.0/apache2/conf.d/20-tokenizer.ini
PHP API	20151012
PHP Extension	20151012
Zend Extension	320151012
Zend Extension Build	API320151012.NTS
PHP Extension Build	API20151012.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	disabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	enabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2
Registered Stream Filters	zlib.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, convert.iconv.*, mcrypt.*, mdecrypt.*

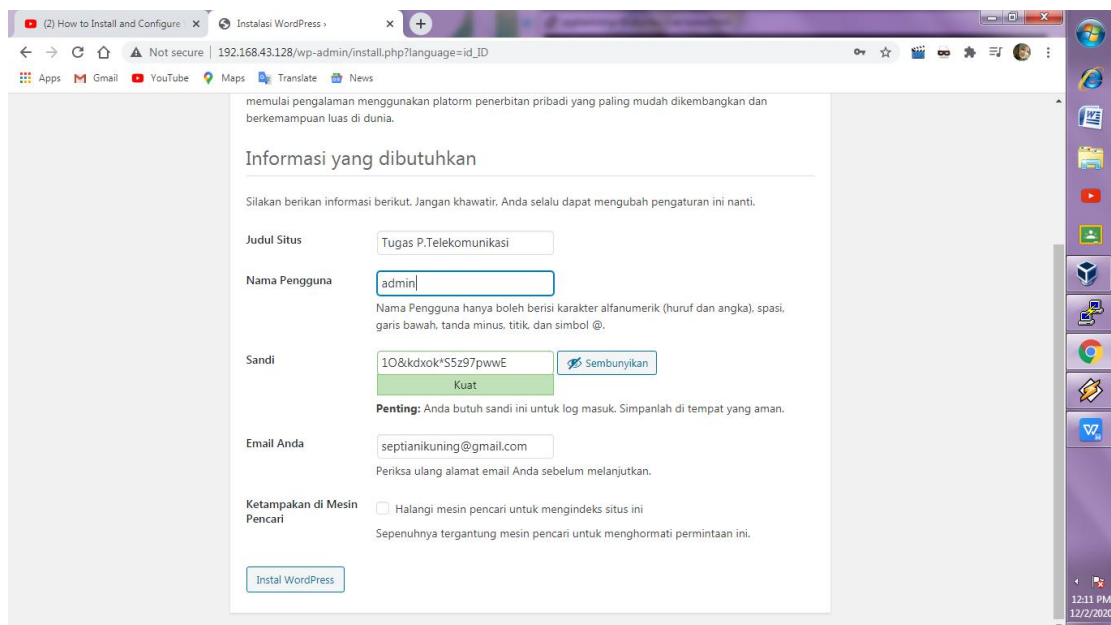
This program makes use of the Zend Scripting Language Engine:
Zend Engine v3.0.0, Copyright (c) 1998-2016 Zend Technologies
with Zend OPcache v7.0.6-dev, Copyright (c) 1999-2016, by Zend Technologies



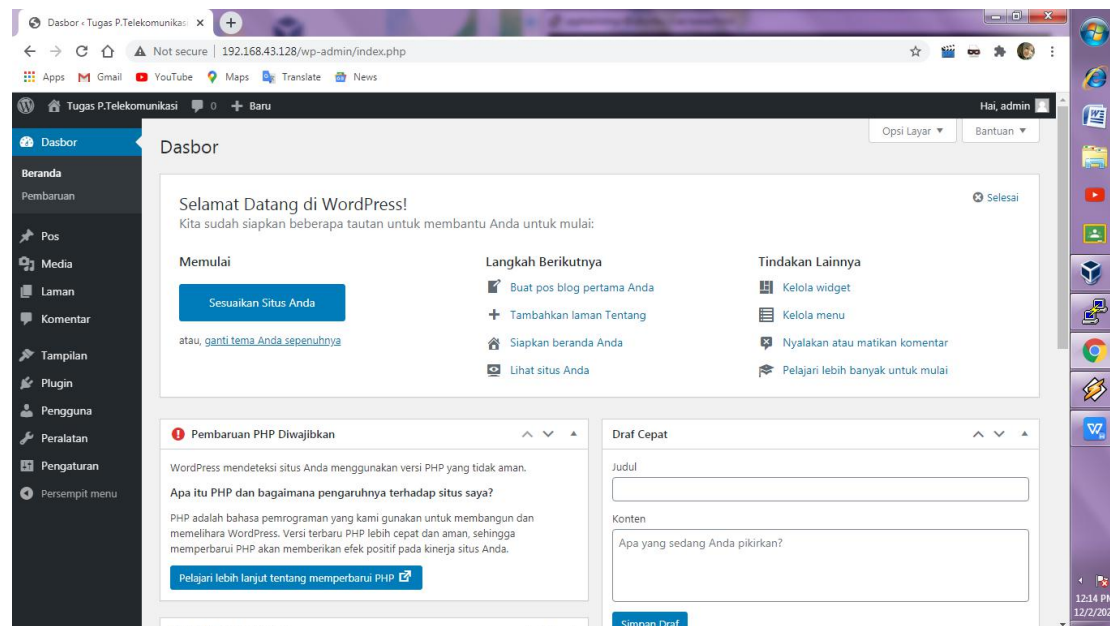
Sesudah melakukan setting untuk virtual host dan setting domain, kemudian buka browser dan masukkan IP address, berikut akan keluar tampilan seperti ber



Kemudian setting nama pengguna dan install wordpress



Ketika sudah selesai, maka login kembali menggunakan data yang telah dibuat tadi, kemudian akan tampil dashboard seperti dibawah ini



Kita bisa mengubah tema di wordpress dan mengeditnya sesuai kreativitas kita masing masing



Terima kasih