PENGANTAR TELEKOMUNIKASI

MEMBUAT APLIKASI WORDPRESS DI UBUNTU SERVER OR HTML

Nama : **ZULI YANTI**

NIM : **09011182025014**

Kelas : **SK1B Reg Indralaya**

Dosen Pengampu : **ADI HERMANSYAH,S.Kom.,M.Kom**

PROGRAM STUDI SISTEM KOMPUTER

FAKULTAS ILMU KOMPUTER

UNIVERSITAS SRIWIJAYA

TAHUN AJARAN 2020/2021

A. Pengertian Wordpress

CMS Wordpress adalah platform dibalik pembuatan 30 persen website diseluruh dunia dan menjadikannya paling populer diantara CMS lainnya.Wordpress adalah bukti bahwa software gratis tidak lantas menghasilkan website murahan dan kualitas rendah,buktinya wordpress digunakan oleh berbagai perusahaan besar. Jadi WordPress adalah sistem manajemen konten (CMS) berbasis PHP dan MySQL yang biasanya digunakan dengan server database MySQL atau MariaDB tetapi juga dapat menggunakan mesin database SQLite.

B. Sejarah

WordPress pertama kali buat oleh Matt Mullenweg dan Mike Little. Matt Mullenweg memiliki nama lengkap Matthew Charles Mullenweg, Ia adalah developer yang berasal dari Amerika Serikat yang lahir pada 11 januari 1984.Sedangkan Little Mike berasal dari Inggris dan lahir pada 12 Mei 1962.

WordPress pertama kali dirilis pada 27 Mei 2003. Itu berarti WordPress telah lahir sebelum Facebook dan Instagram ada. Berawal pada tahun 2003 dimana Matt Mullenweg dan Mike Little yang keduanya adalah developer platform blog. Kedua orang tersebut membuat platform blogging baru setelah proyek b2/cafeblog mereka dihentikan. Keduanya memutuskan untuk tetap meneruskan proyek tersebut dan melanjutkan secara mandiri.

Mulleneweg dan Little merilis WordPress versi pertamanya (WordPress 1.0) pada Januari tahun berikutnya. Tampilan awal WordPress sama sekali berbeda jika dibandingkan tampilannya sekarang yang sudah sangat bagus. Jika dilihat WordPress saat ini sudah kaya fitur-fitu keren. Meski begitu WordPress versi pertama sudah menawarkan sudah menawarkan fitur inti yang ada hingga saat ini. Fitur-fitur inti yang sudah ditawarkan WordPress sejak versi pertamanya seperti editor WordPress, kemampuan memoderasi komentar, instalasi mudah dan manajemen user. Sejak diluncurkannya pada ahun 2004 WordPress telah banyak mengalami perubahan positif.

C. Jenis-Jenis Wordpress

1. WordPress.com

   WordPress ini sangat saya anjurkan bagi yang baru memulai belajar membat blog. Intinya dari versi wordpress.com ini adalah blog hosting yang disediakan secara gratis dengan mendaftar lewat http://www.wordpress.com. Proses pendaftarannya cukup mudah tinggal baca saja formulir yang disediakan, lalu buka email kamu

kemudian lihat inbox akan kamu dapatkan link untuk memulai membuat artikel di blog yang telah kamu buat.

2. WordPress.org

Nah, jika kamu merasa tidak puas dengan wordpress.com kamu bisa coba WordPress.org. yaitu wordpress yang sudah berbentuk self hosting, CMS atau engine blog dihosting pada server dan domain kamu tersendiri. Sebaiknya WordPress.org ini digunakan bagi mereka yang sudah mengerti dan memahami tentang HTML, PHP, dan scripting web development. Sekarang WordPress.org sudah ada yang menggunakan bahasa Indonesia jadi lebih mudah dipelajari.

3. WordPress MU

WordPress MU adalah singkatan dari WordPress Multi User. Dengan versi wordpress ini kamu bisa membuat jutaan blog dan menjadi seorang bloghost atau penyedia jasa blog. Untuk mendapatkan WordPress jenis ini, kamu bisa mendownoadnya pada situs http://mu.wordpress.org. Lebih baik kamu mengunakan versi ini jika kamu sudah terbiasa dan mengerti benar seluk beluk blog hosting.

4. WordPress Legacy

WordPress Legacy yang dirawat oleh tim security Automatic selama 5 tahun.Nah selama 5 tahun itu, WordPress Legacy tidak akan diupdate kecuali untuk update security. Tentunya ini untuk sebagian orang sangat menarik sekali. Selama 5 tahun, kita bisa lebih fokus ke isi website, dan bukannya melakukan upgrade WordPress selamanya berkali-kali. Bagi kamu yang ingin mencoba jenis ini, kamu dapat membuka situs http://wordpress.org/download/legacy

D. Manfaat Wordpress

- Kita dapat membuat Blog dan website pribadi
- Kita dapat membuat website perusahaan
- Membuat website tokoh online

E. Kelebihan

- Ramah untuk pemula dan ahli
- Memiliki komunitas yang luas
- Tersedia banyak tutorial
- Menyediakan ribuan plugin melimpah

- Memudahkan kita untuk mengelola dan menambahkan fitur untuk website kita
- CMS memudahkan kita untuk membuat website tanpa perlu memahami coding
- Temanya beragam
- Bisa mendesain sesuka hati
- Biaya relatif murah

F. Kekurangan

- Tingkat keamanan.

  Risiko terserang hacker memang terbuka lebar, hal ini disebabkan karena lebih dari 30% website dibuat menggunakan WordPress.
- Konten pihak ketiga.

  Bug juga sering kali ditemukan dalam website yang dibuat dengan platform WordPress, hal ini karena plugin dibuat oleh pihak ketiga.
- Waktu loading lama.

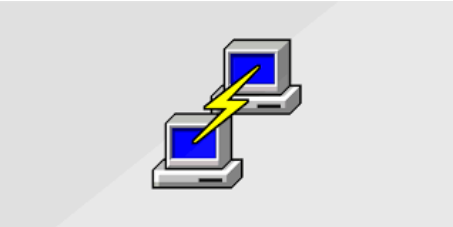
  Bagi pengguna pemula biasanya mengalami loading yang lambat. Hal ini akan terjadi jika sebuah website menginstall terlalu banyak plugin, maka website akan semakin lambat

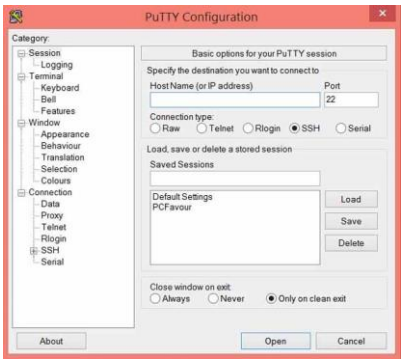
G. Langkah-langkah

1. **Menginstal ubuntu server**

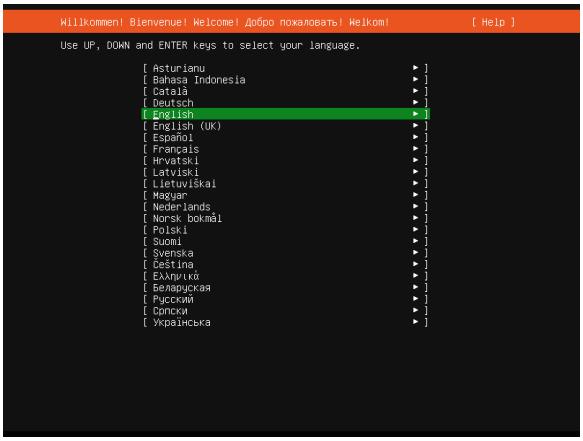
2. **Menginstal virtualbox**

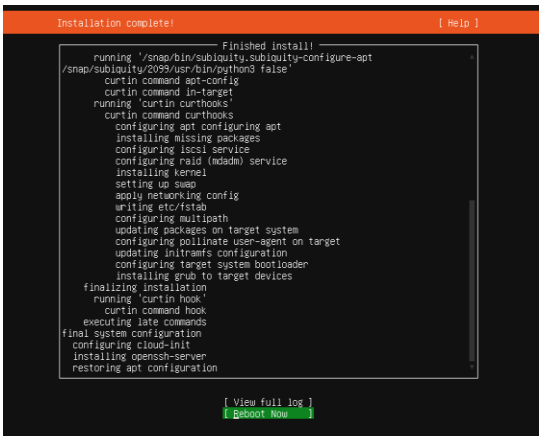
3. Menginstal putty





4. Menginstal ubuntu server divirtualbox

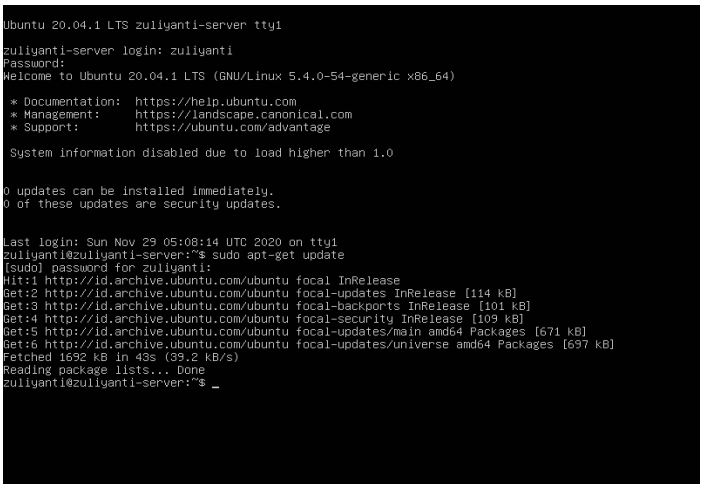




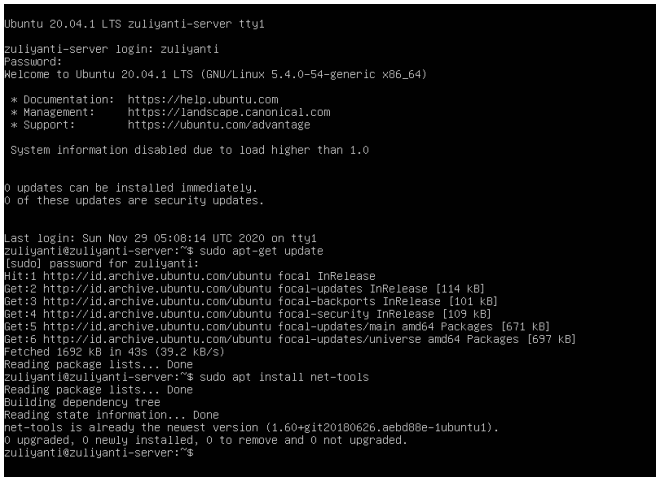
5. Konfigurasi SSH

Caranya adalah sebagai berikut:

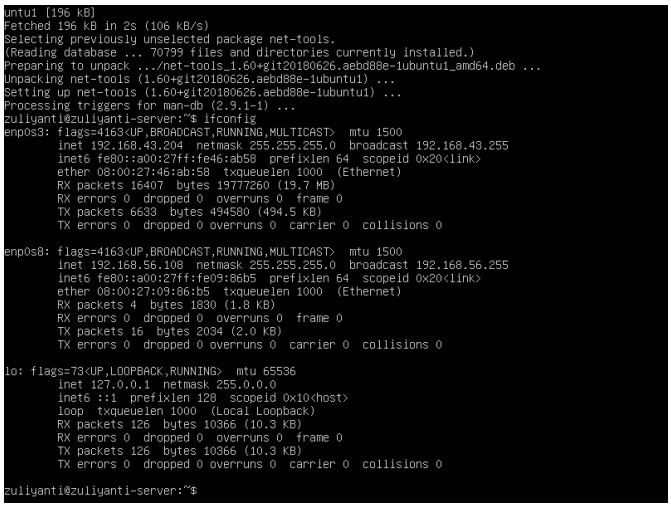
- sudo apt-get update



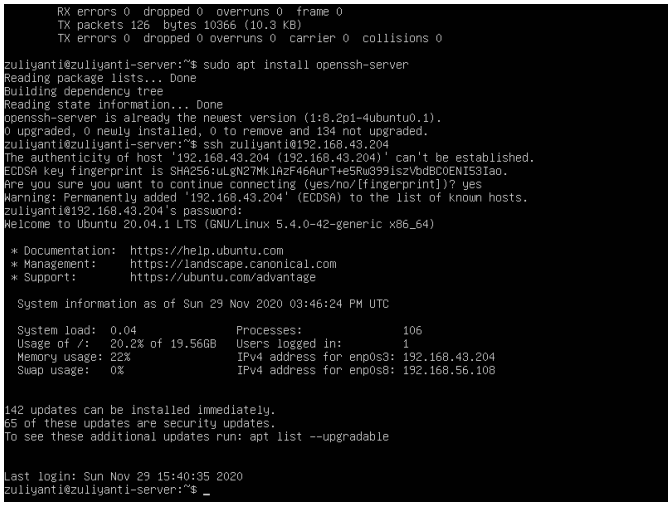
- sudo apt install net-tools



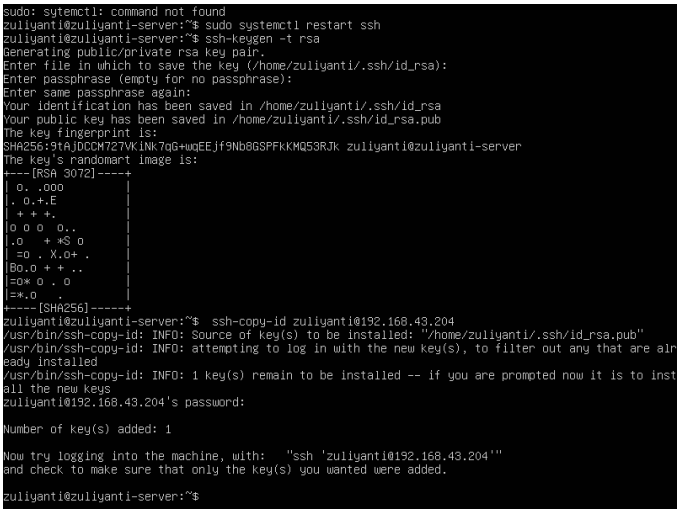
- ifconfig atau ip addr



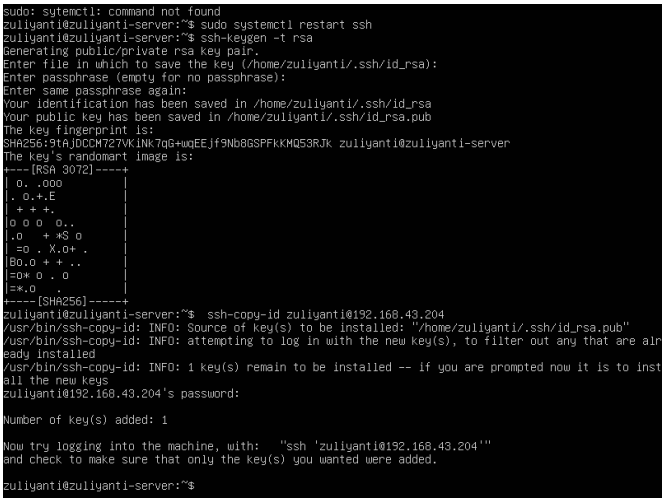
- sudo apt install openssh-server



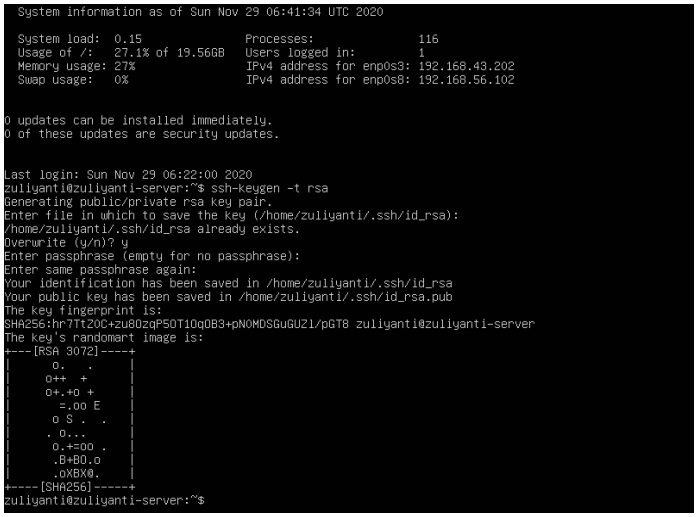
- ssh zuliyanti@192.168.43.204



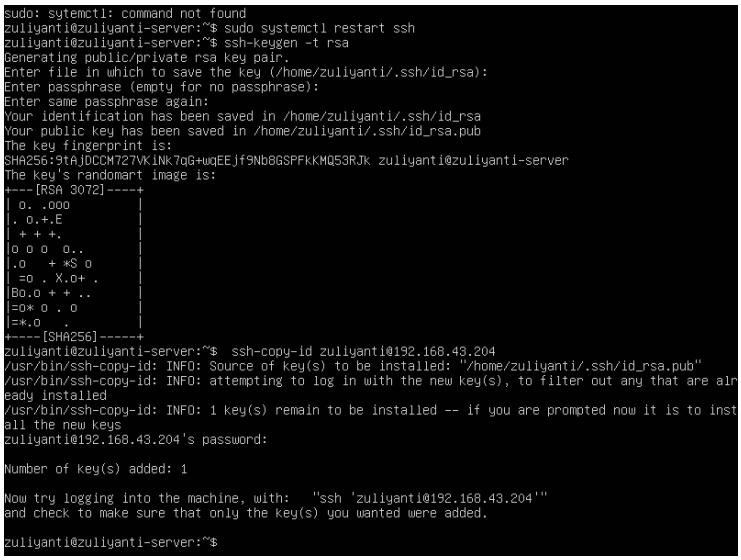
- sudo systemctl restart ssh



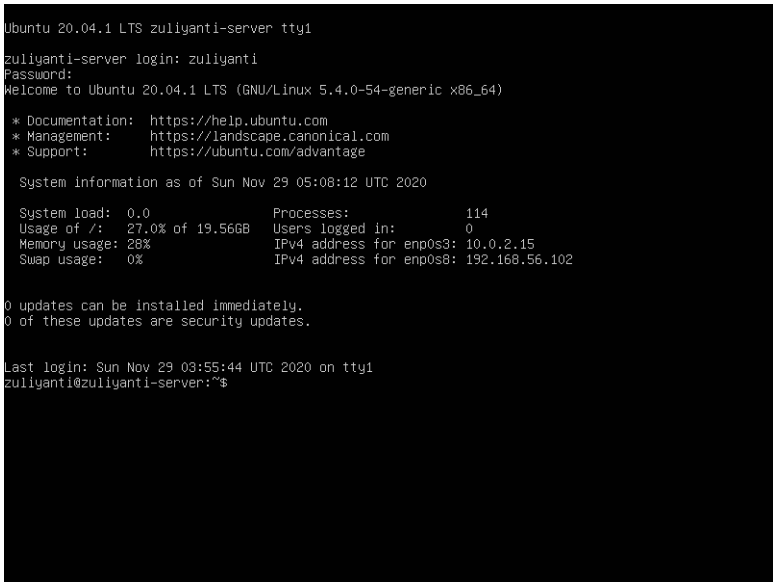
- ssh-keygen -t rsa



- ssh-copy-id zuliyanti@192.168.43.204



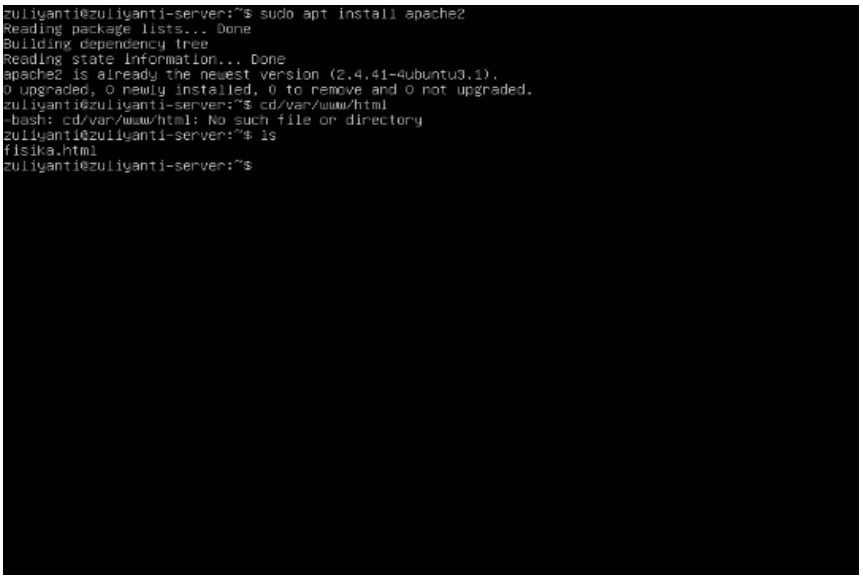
- Dan kita sudah bisa login dengan ubuntu server kita



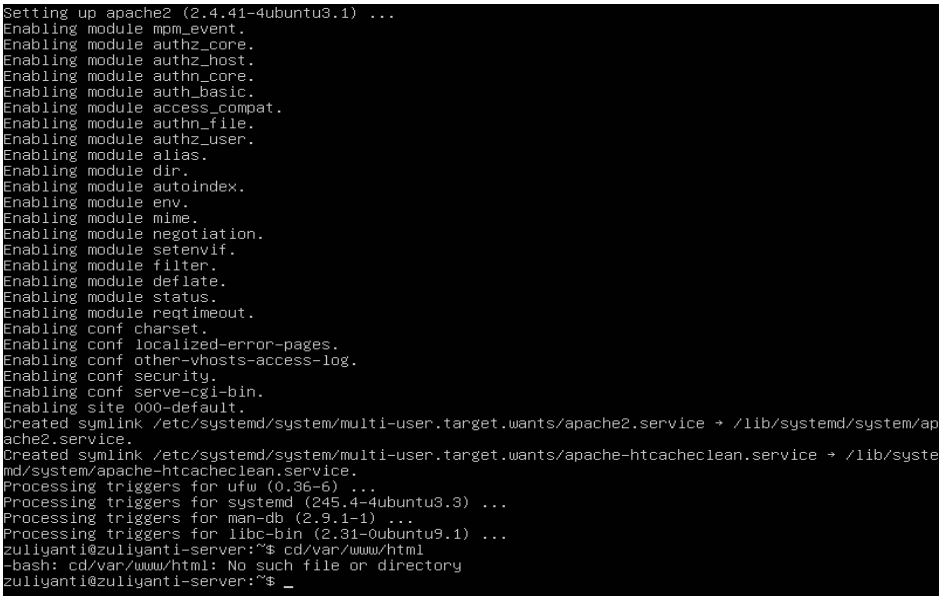
6. Wordpress Html

Caranya adalah sebagai berikut:

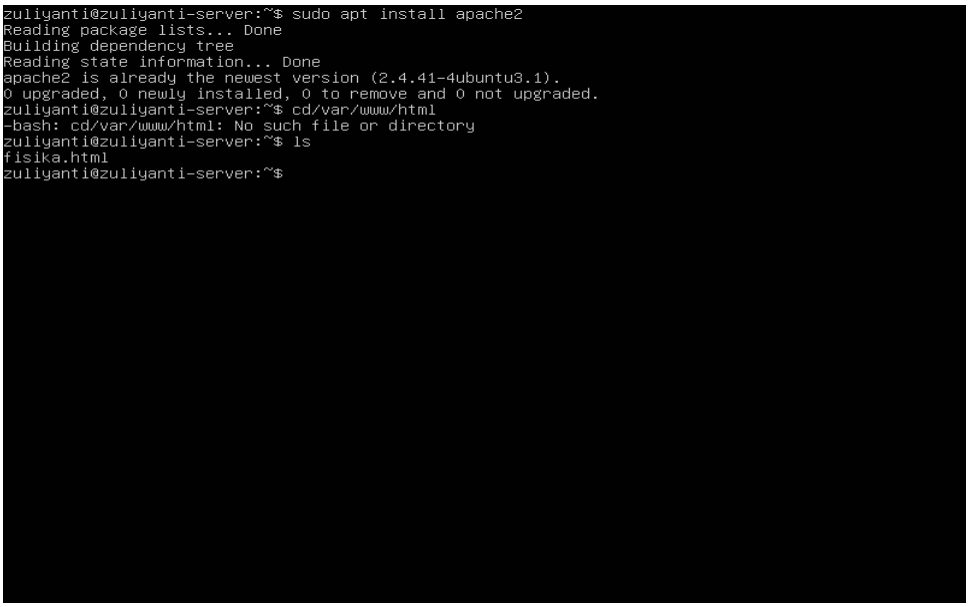
- sudo apt install apache2



- cd /var/www/html/



- Lalu klik ls



- sudo nano zuliyanti.html
- setelah kita ketik coman tersebut diterminal maka akan muncul seperti gambar berikut

- membuat comand dibawah ini pada terminal ubuntu

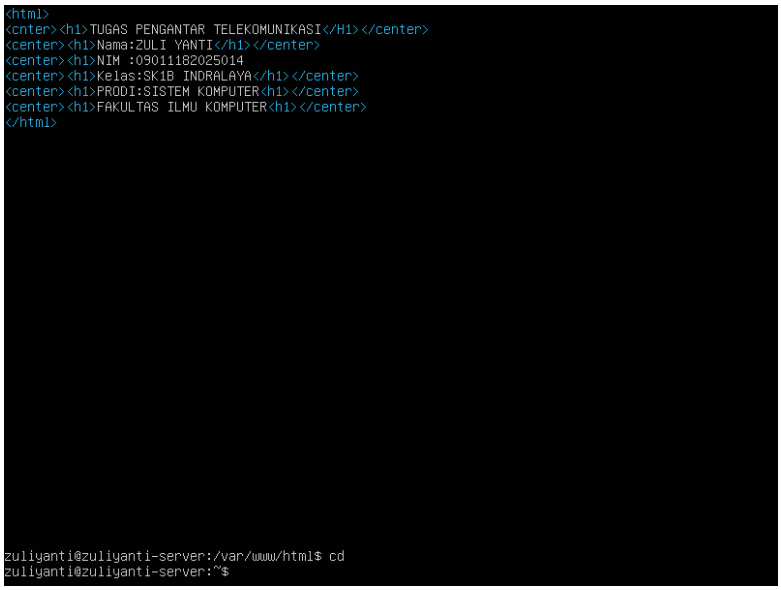
  <html>

  * <h1>Pengantar Telekomunikasi</h1> *

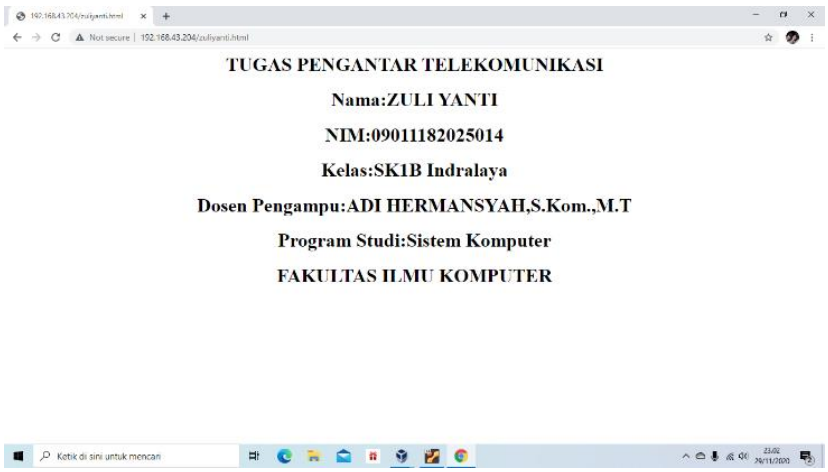
  * <h1>Nama:Zuliyanti</h1> *

  * <h1>NIM:09011182025014</h1> *

  </html>.

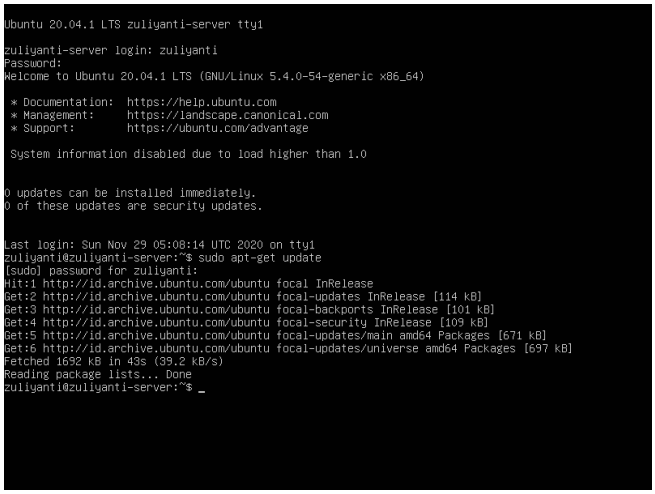


- setelah itu tekan Ctrl+x dan enter
- buka browser dengan nama html yang kita buat dan akan tampil digoogle misalnya 192.168.43.204/zuliyanti.html.maka akan muncul seperti gambar dibawah ini:

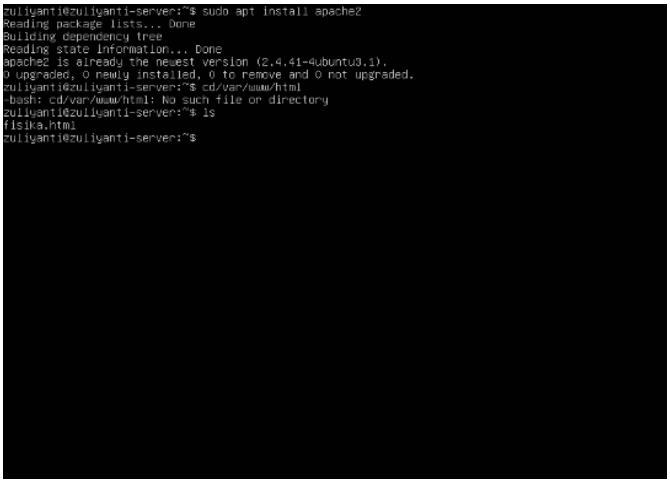


7. Wordpress ubuntu server virtualbox

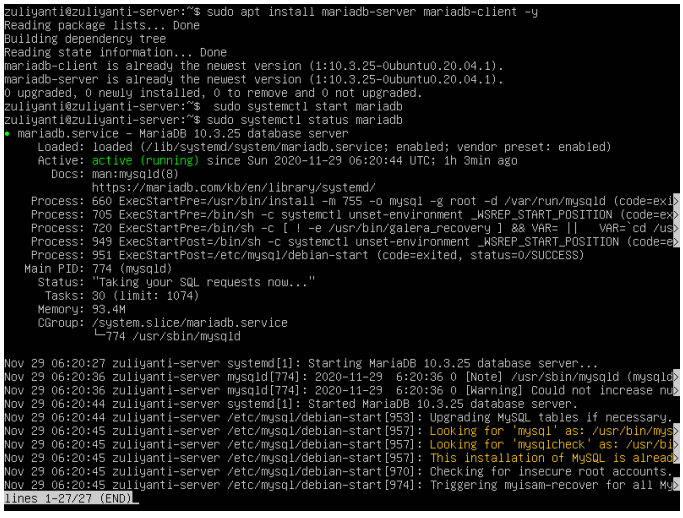
- sudo apt-get update



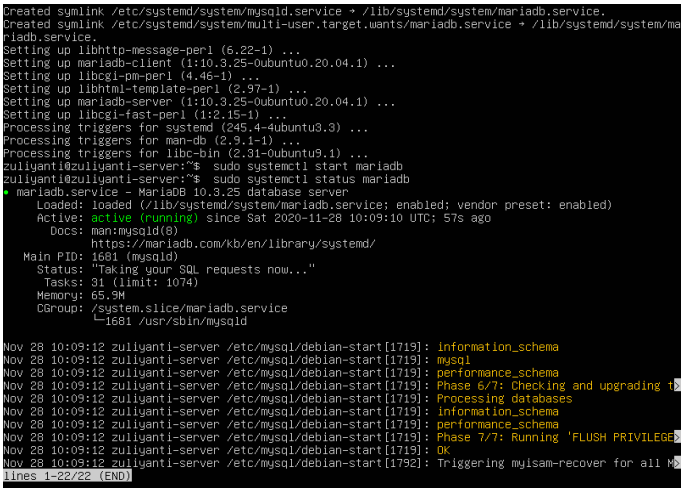
- sudo apt install apache2



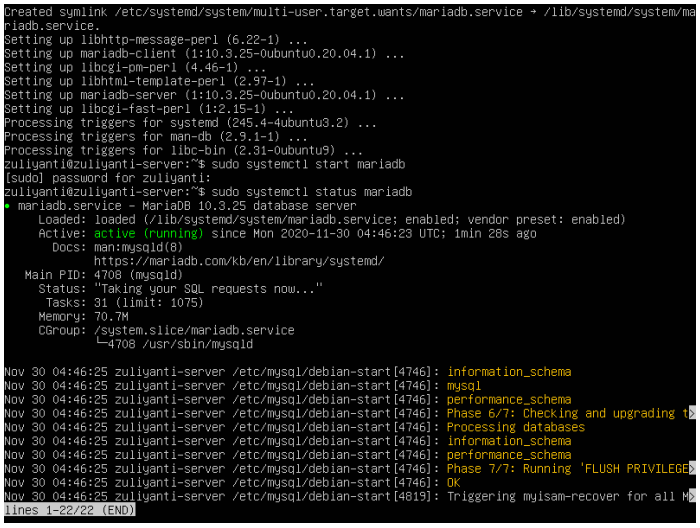
- sudo apt install mariadb-server mariadb-client –y



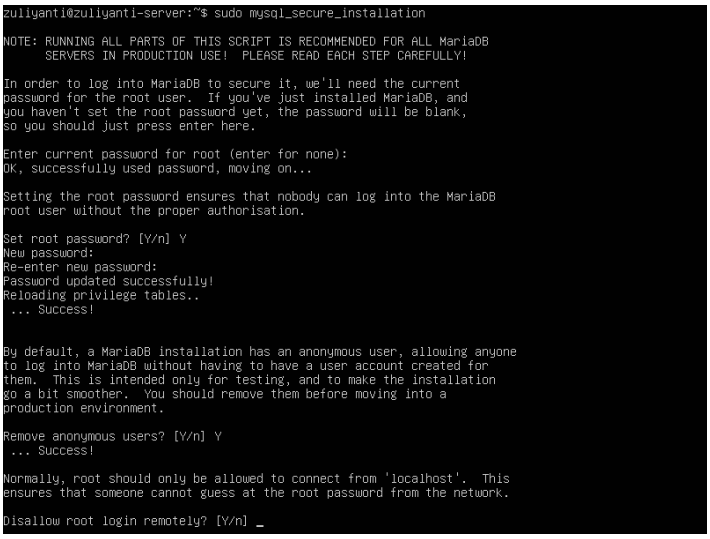
- sudo systemctl start mariadb



- sudo systemctl status mariadb



- sudo mysql_secure_installation



- sudo apt install php –y

```
access.  This is also intended only for testing, and should be removed
before moving into a production environment.

Remove test database and access to it? [Y/n] Y
 - Dropping test database...
 ... Success!
 - Removing privileges on test database...
 ... Success!

Reloading the privilege tables will ensure that all changes made so far
will take effect immediately.

Reload privilege tables now? [Y/n] Y
 ... Success!

Cleaning up...

All done!  If you've completed all of the above steps, your MariaDB
installation should now be secure.

Thanks for using MariaDB!
zuliyanti@zuliyanti-server:~$  sudo apt install php -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php7.4 php-common php7.4 php7.4-cli php7.4-common php7.4-json php7.4-opcache
  php7.4-readline
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php7.4 php php-common php7.4 php7.4-cli php7.4-common php7.4-json php7.4-opcache
  php7.4-readline
0 upgraded, 9 newly installed, 0 to remove and 134 not upgraded.
Need to get 4,019 kB of archives.
After this operation, 18.0 MB of additional disk space will be used.
0% [Waiting for headers]_
```

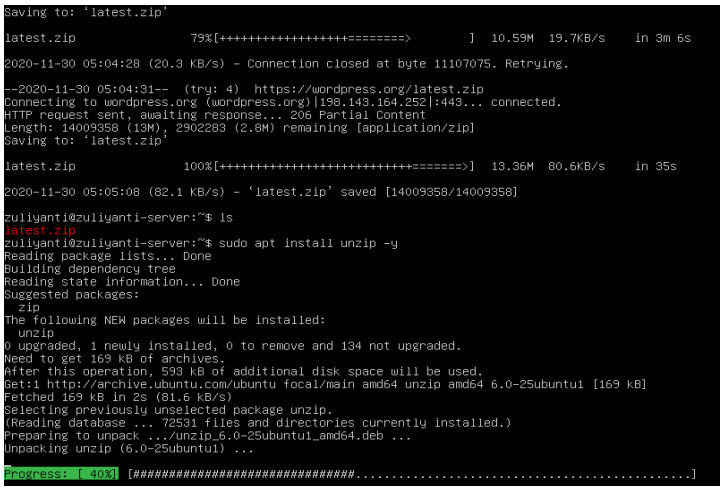
- buka browser wordpress and copy link addres,setelah itu kembali ke terminal dan melanjutkan mengetik comand dibawah ini:
- sudo apt install wget –y

```
Setting up php7.4-cli (7.4.3-4ubuntu2.4) ...
update-alternatives: using /usr/bin/php7.4 to provide /usr/bin/php (php) in auto mode
update-alternatives: using /usr/bin/phar7.4 to provide /usr/bin/phar (phar) in auto mode
update-alternatives: using /usr/bin/phar.phar7.4 to provide /usr/bin/phar.phar (phar.phar) in auto m
ode

Creating config file /etc/php/7.4/cli/php.ini with new version
Setting up libapache2-mod-php7.4 (7.4.3-4ubuntu2.4) ...

Creating config file /etc/php/7.4/apache2/php.ini with new version
Module mpm_event disabled.
Enabling module mpm_prefork.
apache2_switch_mpm Switch to prefork
apache2_invoke: Enable module php7.4
Setting up php7.4 (7.4.3-4ubuntu2.4) ...
Setting up php (2:7.4+75) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for php7.4-cli (7.4.3-4ubuntu2.4) ...
Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.4) ...
zuliyanti@zuliyanti-server:~$ sudo apt install wget
Reading package lists... Done
Building dependency tree
Reading state information... Done
wget is already the newest version (1.20.3-1ubuntu1).
wget set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 134 not upgraded.
zuliyanti@zuliyanti-server:~$ 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 134 not upgraded.
zuliyanti@zuliyanti-server:~$ wget https://wordpress.org/latest.zip
--2020-11-30 04:56:04--  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...
```

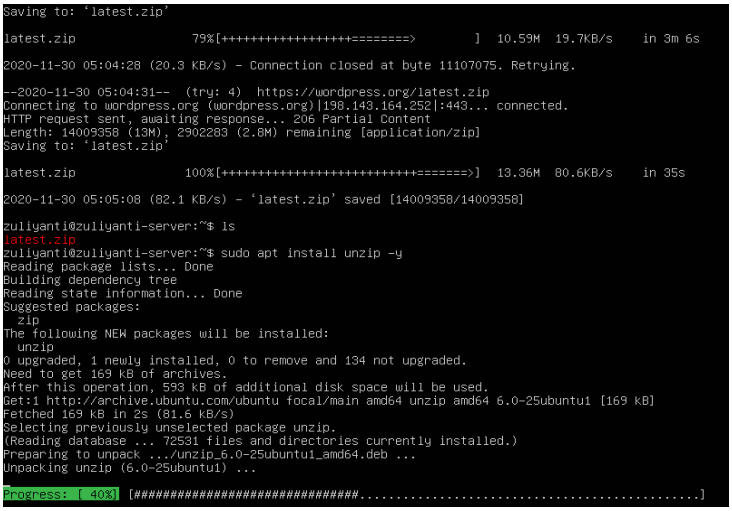
- wget https://wordpress.org/latest.zip


```
Setting up php7.4-cli (7.4.3-4ubuntu2.4) ...
update-alternatives: using /usr/bin/php7.4 to provide /usr/bin/php (php) in auto mode
update-alternatives: using /usr/bin/phar7.4 to provide /usr/bin/phar (phar) in auto mode
update-alternatives: using /usr/bin/phar.phar7.4 to provide /usr/bin/phar.phar (phar.phar) in auto m
ode

Creating config file /etc/php/7.4/cli/php.ini with new version
Setting up libapache2-mod-php7.4 (7.4.3-4ubuntu2.4) ...

Creating config file /etc/php/7.4/apache2/php.ini with new version
Module mpm_event disabled.
Enabling module mpm_prefork.
apache2_switch_mpm Switch to prefork
apache2_invoke: Enable module php7.4
Setting up php7.4 (7.4.3-4ubuntu2.4) ...
Setting up php (2:7.4+75) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for php7.4-cli (7.4.3-4ubuntu2.4) ...
Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.4) ...
zuliyanti@zuliyanti-server:~$ sudo apt install wget
Reading package lists... Done
Building dependency tree
Reading state information... Done
wget is already the newest version (1.20.3-1ubuntu1).
wget set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 134 not upgraded.
zuliyanti@zuliyanti-server:~$ 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 134 not upgraded.
zuliyanti@zuliyanti-server:~$ wget https://wordpress.org/latest.zip
--2020-11-30 04:56:04--  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...
```

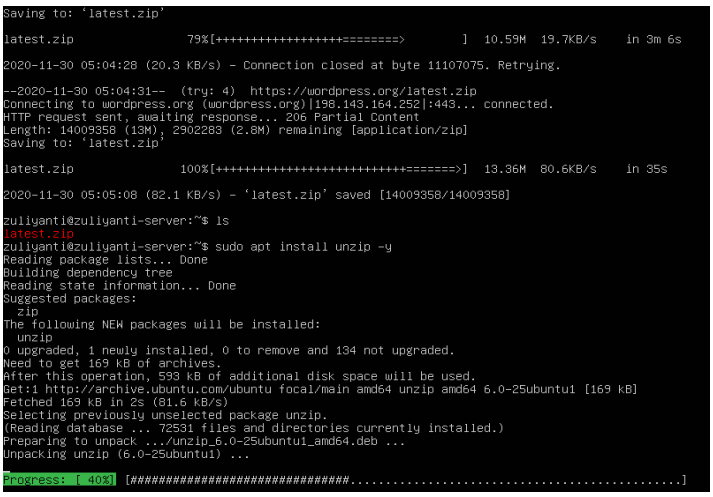
- lalu ketik ls



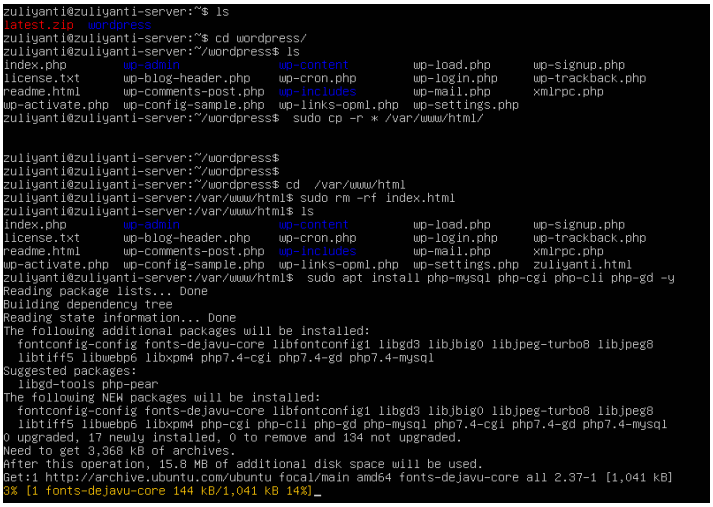
- sudo apt install unzip –y



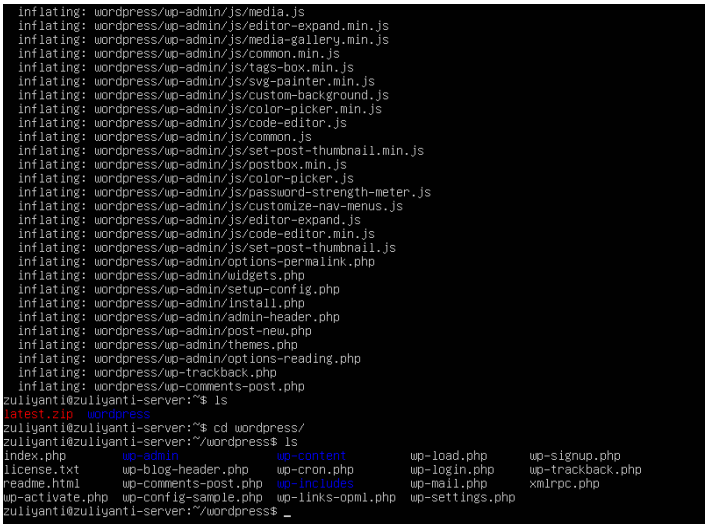
- unzip lates.zip



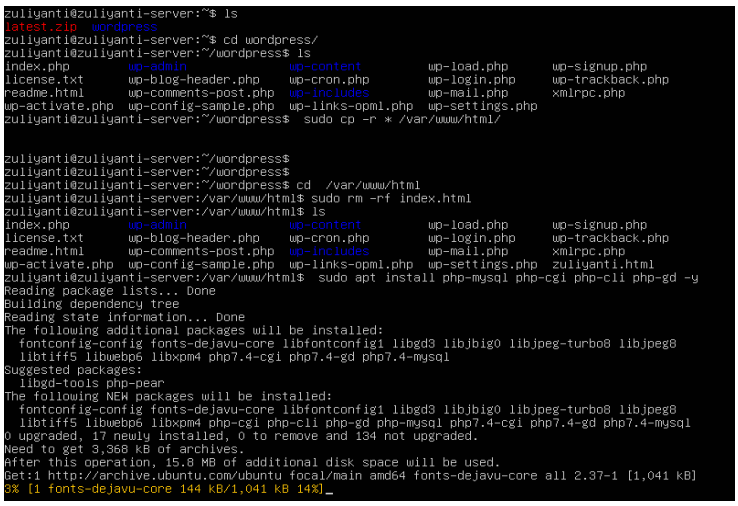
- Kemudian ketik ls lagi



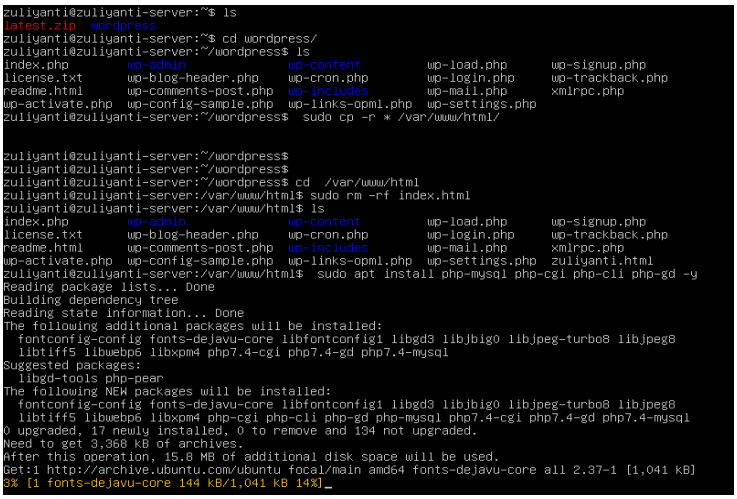
- cd wordpress/



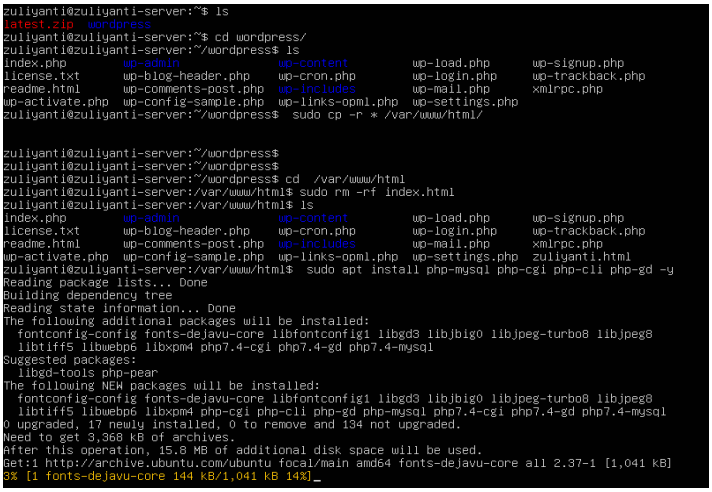
- ls



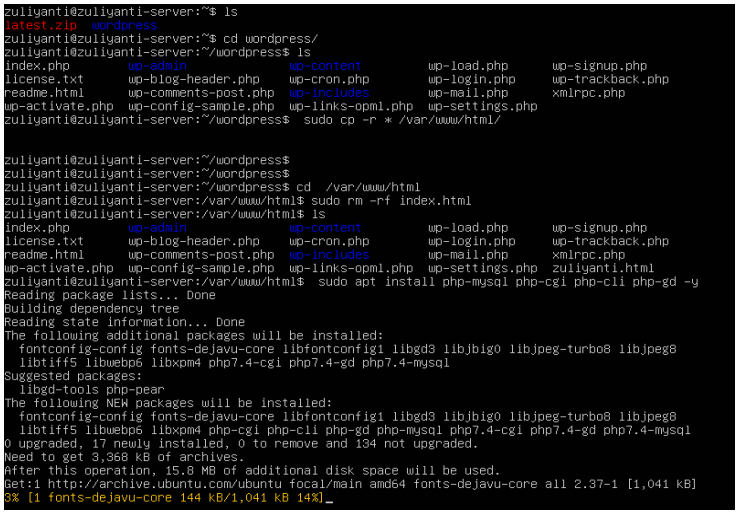
- sudo cp -r * /var/www/html



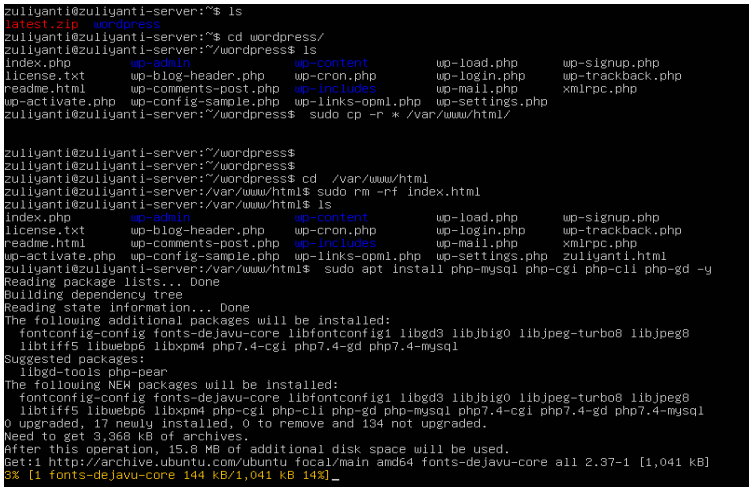
- cd /var/www/html/



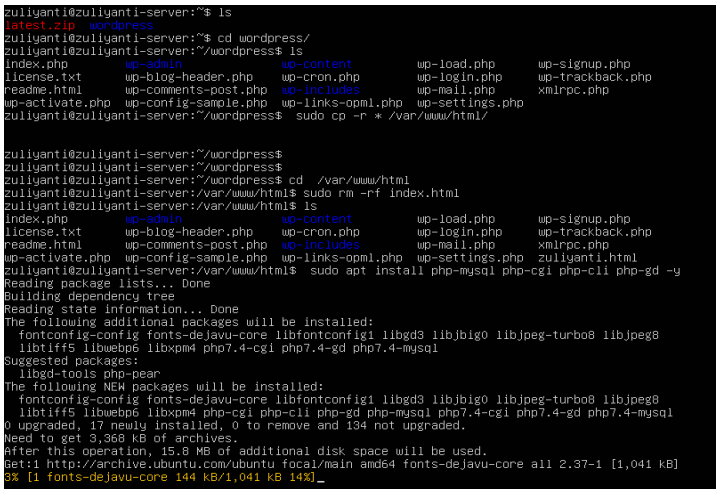
- ls



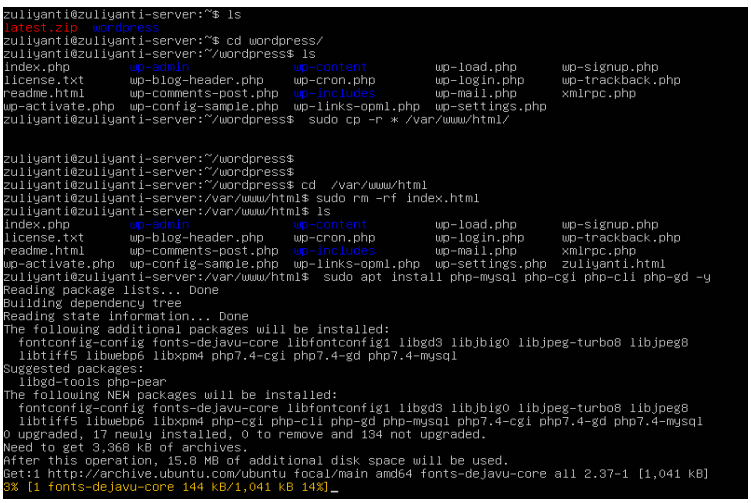
- Sudo rm -rf index.html



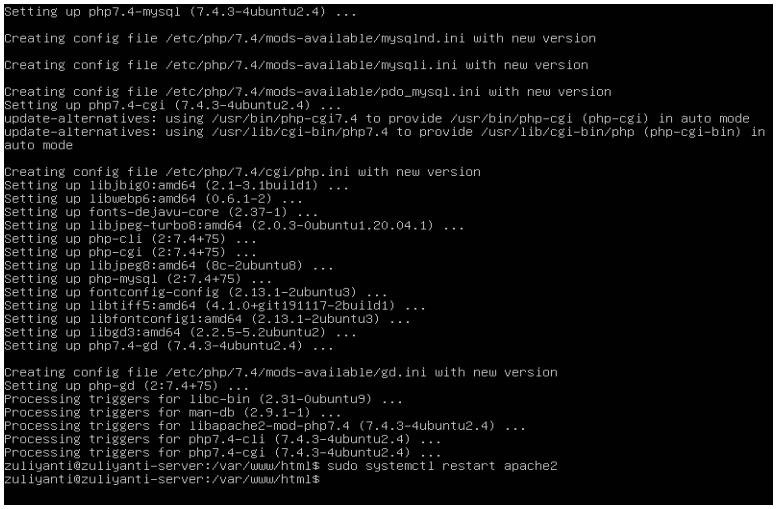
- ls



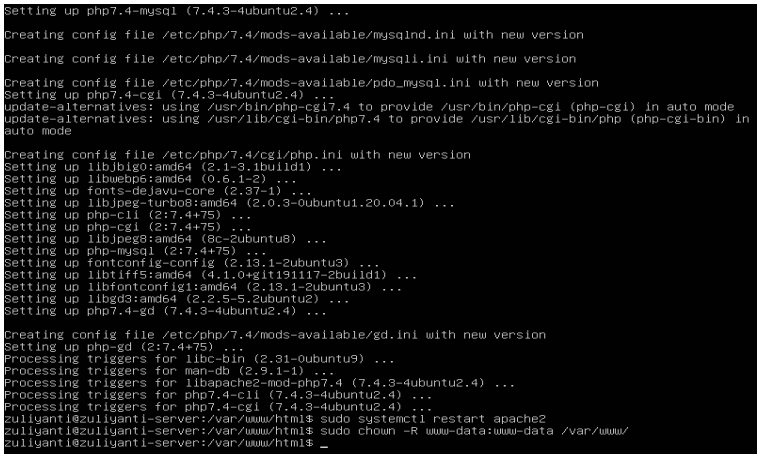
- sudo apt install php-mysql php-cgi php-cli php-gd -y



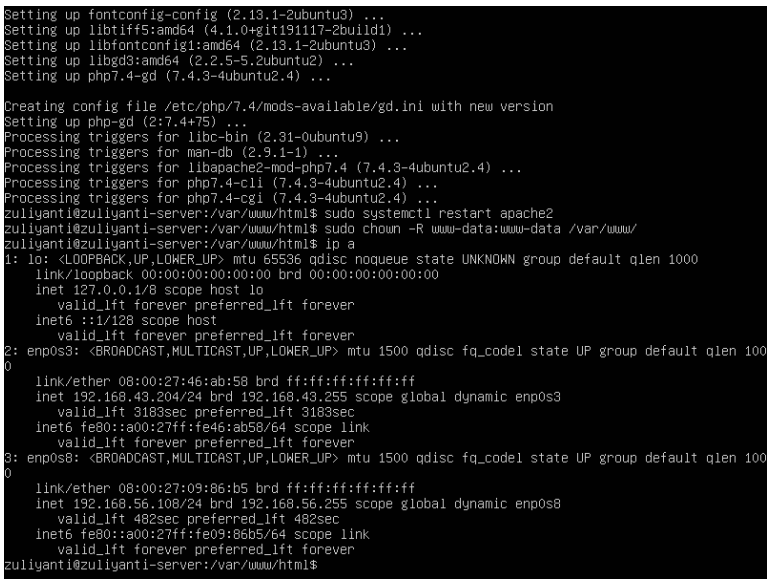
- sudo systemctl restart apache2



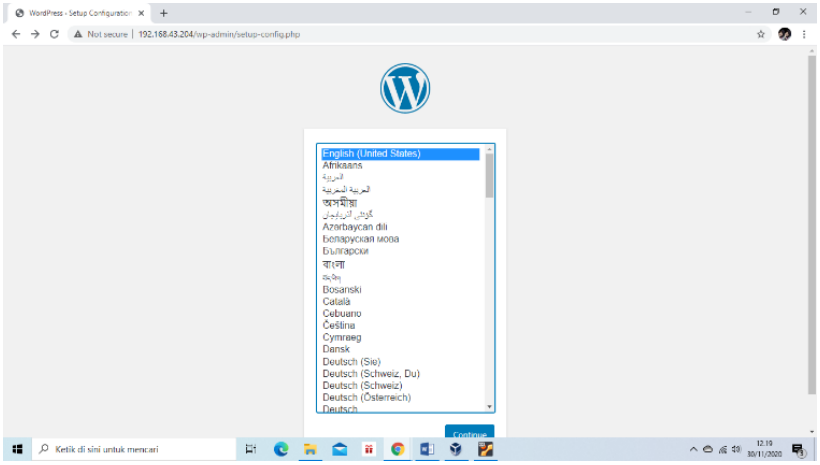
- sudo chown -R www-data:www-data /var/www/



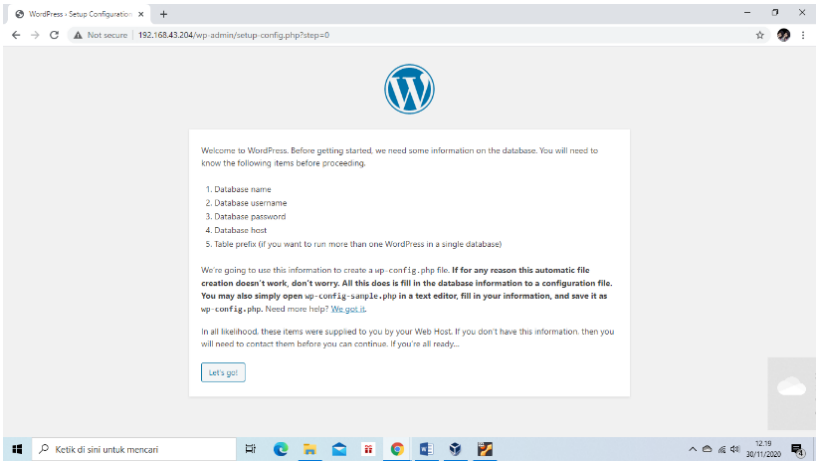
- ip a



- setelah mendapatkan ip a ,lanjut Buka browser dengan ip address kita misalnya:(contoh 192.168.43.204).



- setelah masuk ke wordpress maka pilih bahasa yang akan digunakan,continue dan lanjut untuk mengisi username,database,password,dll.



- setelah itu kembali lagi keterminal dan mengetikan comand dibawah ini:
- sudo mysql –u root -p

```
zuliyanti@zuliyanti-server:/var/www/html$ sudo mysql -u -root -p
Enter password:
ERROR 1698 (28000): Access denied for user '-root'@'localhost'
zuliyanti@zuliyanti-server:/var/www/html$ create database wordpress;

Command 'create' not found, did you mean:

  command 'pcreate' from deb pbuilder-scripts (22)

Try: sudo apt install <deb name>

zuliyanti@zuliyanti-server:/var/www/html$ show databses;

Command 'show' not found, but can be installed with:

sudo apt install mailutils-mh  # version 1:3.7-2.1, or
sudo apt install mmh           # version 0.4-2
sudo apt install nmh           # version 1.7.1-6

zuliyanti@zuliyanti-server:/var/www/html$  create user "wordpress"@"%" identified by "password";

Command 'create' not found, did you mean:

  command 'pcreate' from deb pbuilder-scripts (22)

Try: sudo apt install <deb name>

zuliyanti@zuliyanti-server:/var/www/html$ grant all privileges on wordpress.* to "wordpress"@"%";

Command 'grant' not found, did you mean:

  command 'grunt' from deb node-grunt-cli (1.3.2-4)
  command 'gant' from deb gant (1.9.11-7)

Try: sudo apt install <deb name>

zuliyanti@zuliyanti-server:/var/www/html$ _
```

- create database wordpress;

```
zuliyanti@zuliyanti-server:/var/www/html$  create user "wordpress"@"%" identified by "password";

Command 'create' not found, did you mean:

  command 'pcreate' from deb pbuilder-scripts (22)

Try: sudo apt install <deb name>

zuliyanti@zuliyanti-server:/var/www/html$ grant all privileges on wordpress.* to "wordpress"@"%";

Command 'grant' not found, did you mean:

  command 'grunt' from deb node-grunt-cli (1.3.2-4)
  command 'gant' from deb gant (1.9.11-7)

Try: sudo apt install <deb name>

zuliyanti@zuliyanti-server:/var/www/html$ exit
logout
Connection to 192.168.43.204 closed.
zuliyanti@zuliyanti-server:~$ cd /var/www/html
zuliyanti@zuliyanti-server:/var/www/html$ sudo mysql -u root -p
[sudo] password for zuliyanti:
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 59
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 (0.013 sec)

MariaDB [(none)]> _
```

- show databases;

```
Command 'grant' not found, did you mean:

  command 'grunt' from deb node-grunt-cli (1.3.2-4)
  command 'gant' from deb gant (1.9.11-7)

Try: sudo apt install <deb name>

zuliyanti@zuliyanti-server:/var/www/html$ exit
logout
Connection to 192.168.43.204 closed.
zuliyanti@zuliyanti-server:~$ cd /var/www/html
zuliyanti@zuliyanti-server:/var/www/html$ sudo mysql -u root -p
[sudo] password for zuliyanti:
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 59
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 (0.013 sec)

MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| wordpress          |
+--------------------+
4 rows in set (0.211 sec)

MariaDB [(none)]>
```

- create user "wordpress"@"%" identified by "password";

```
  command 'gant' from deb gant (1.9.11-7)

Try: sudo apt install <deb name>

zuliyanti@zuliyanti-server:/var/www/html$ exit
logout
Connection to 192.168.43.204 closed.
zuliyanti@zuliyanti-server:~$ cd /var/www/html
zuliyanti@zuliyanti-server:/var/www/html$ sudo mysql -u root -p
[sudo] password for zuliyanti:
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 59
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 (0.013 sec)

MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| wordpress          |
+--------------------+
4 rows in set (0.211 sec)

MariaDB [(none)]> create user "wordpress"@"%" identified by "password";
Query OK, 0 rows affected (0.049 sec)

MariaDB [(none)]>
```

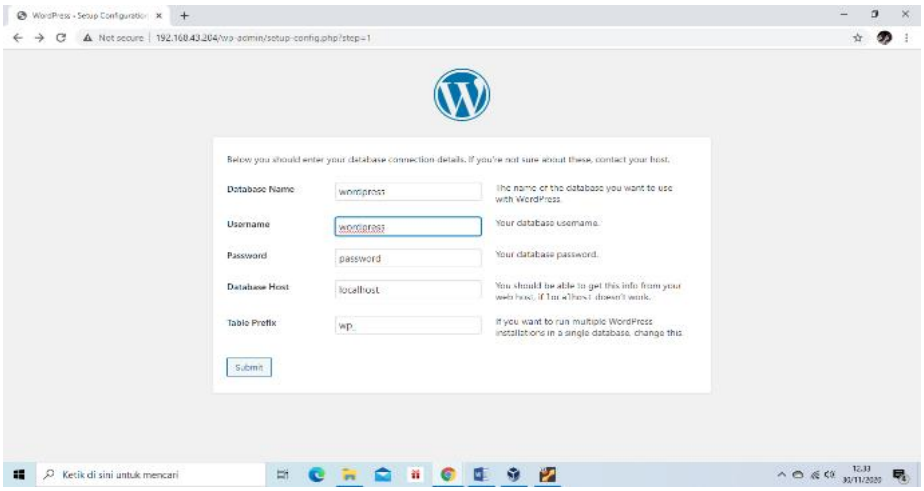
- grant all privileges on wordpress.* to "wordpress"@"%";

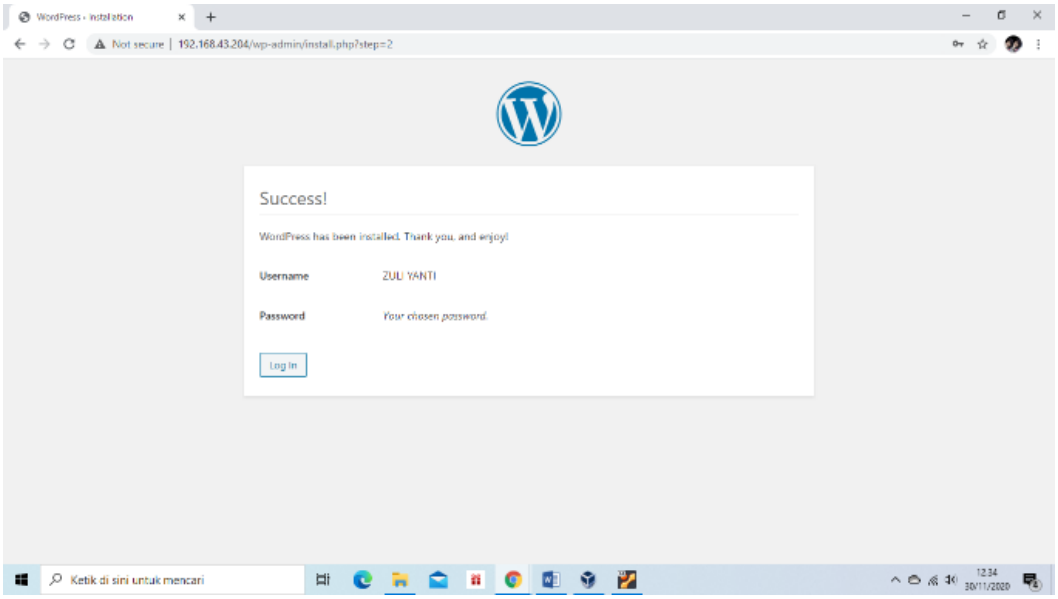
```
zuliyanti@zuliyanti-server:/var/www/html$ exit
logout
Connection to 192.168.43.204 closed.
zuliyanti@zuliyanti-server:~$ cd /var/www/html
zuliyanti@zuliyanti-server:/var/www/html$ sudo mysql -u root -p
[sudo] password for zuliyanti:
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 59
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 (0.013 sec)

MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| wordpress          |
+--------------------+
4 rows in set (0.211 sec)

MariaDB [(none)]> create user "wordpress"@"%" identified by "password";
Query OK, 0 rows affected (0.049 sec)

MariaDB [(none)]>  grant all privileges on wordpress.* to "wordpress"@"%";
Query OK, 0 rows affected (0.021 sec)

MariaDB [(none)]>
```

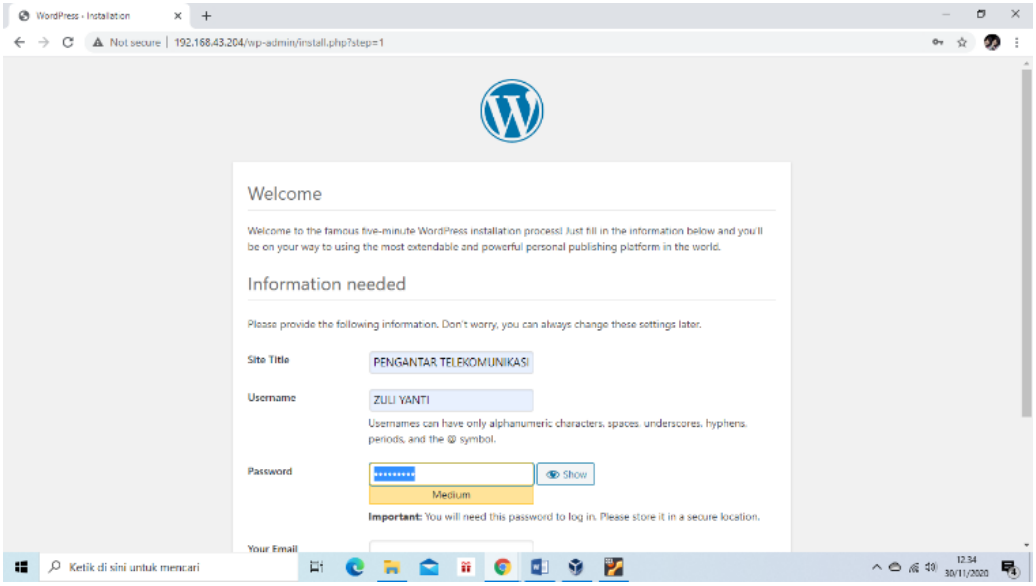
- exit

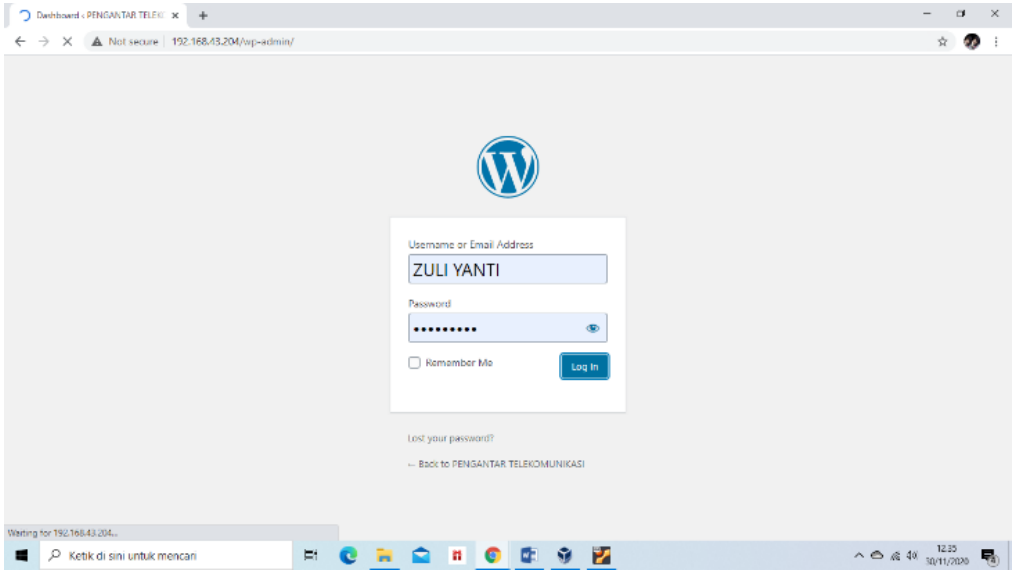
```
logout
Connection to 192.168.43.204 closed.
zuliyanti@zuliyanti-server:~$ cd /var/www/html
zuliyanti@zuliyanti-server:/var/www/html$ sudo mysql -u root -p
[sudo] password for zuliyanti:
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 59
Server 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 (0.013 sec)

MariaDB [(none)]> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| wordpress          |
+--------------------+
4 rows in set (0.211 sec)

MariaDB [(none)]> create user "wordpress"@"%" identified by "password";
Query OK, 0 rows affected (0.049 sec)

MariaDB [(none)]>  grant all privileges on wordpress.* to "wordpress"@"%";
Query OK, 0 rows affected (0.021 sec)

MariaDB [(none)]> exit
Bye
zuliyanti@zuliyanti-server:/var/www/html$
```

- seteleah selesai comand sampai terakhir maka kembali ke wordpress dan mengatur wordpress dan kita sudah bisa login ke akun kita.

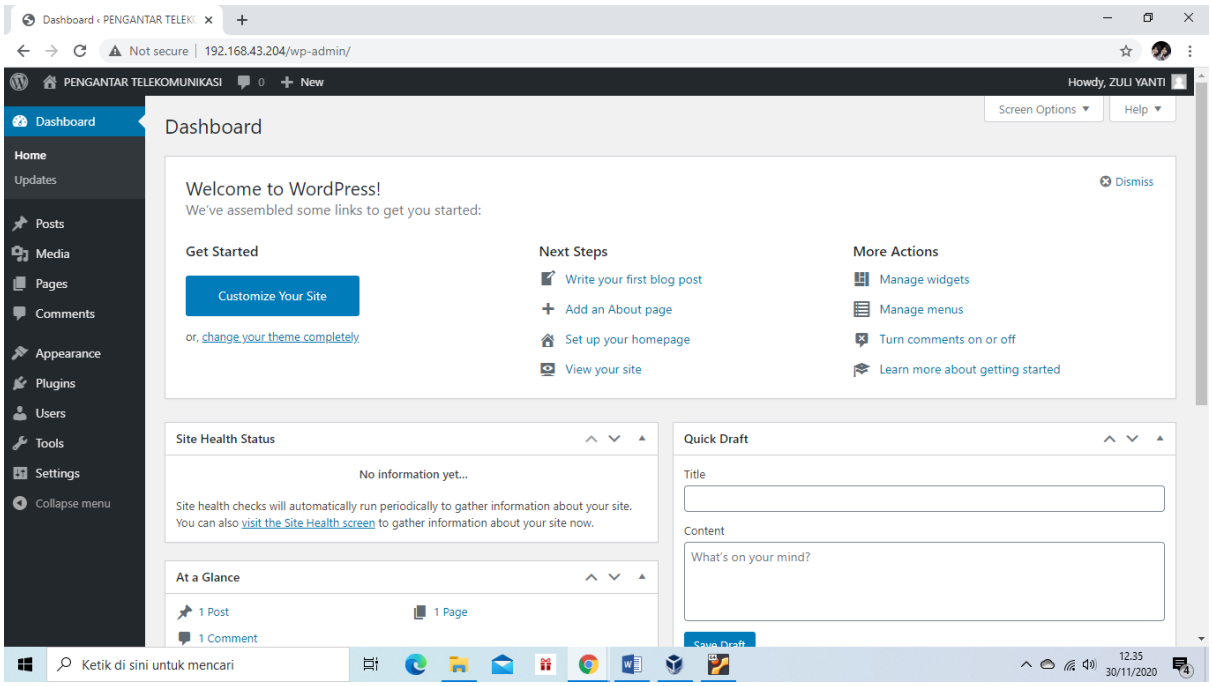


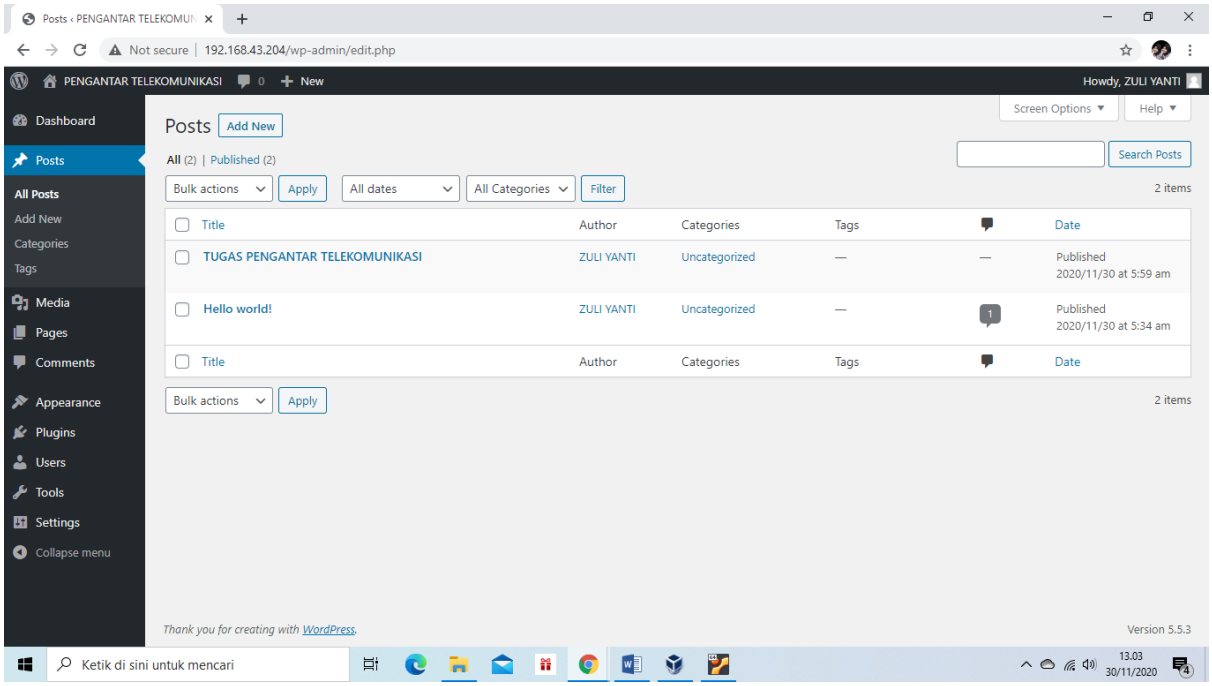

WordPress › Installation
Not secure | 192.168.43.204/wp-admin/install.php?step=2
Success!
WordPress has been installed. Thank you, and enjoy!
Username
ZULI YANTI
Password
Your chosen password.
Log In
Ketik di sini untuk mencari


WordPress › Installation
Not secure | 192.168.43.204/wp-admin/install.php?step=1
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
PENGANTAR TELEKOMUNIKASI
Username
ZULI YANTI
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password
Show
Medium
Important: You will need this password to log in. Please store it in a secure location.
Your Email
Ketik di sini untuk mencari

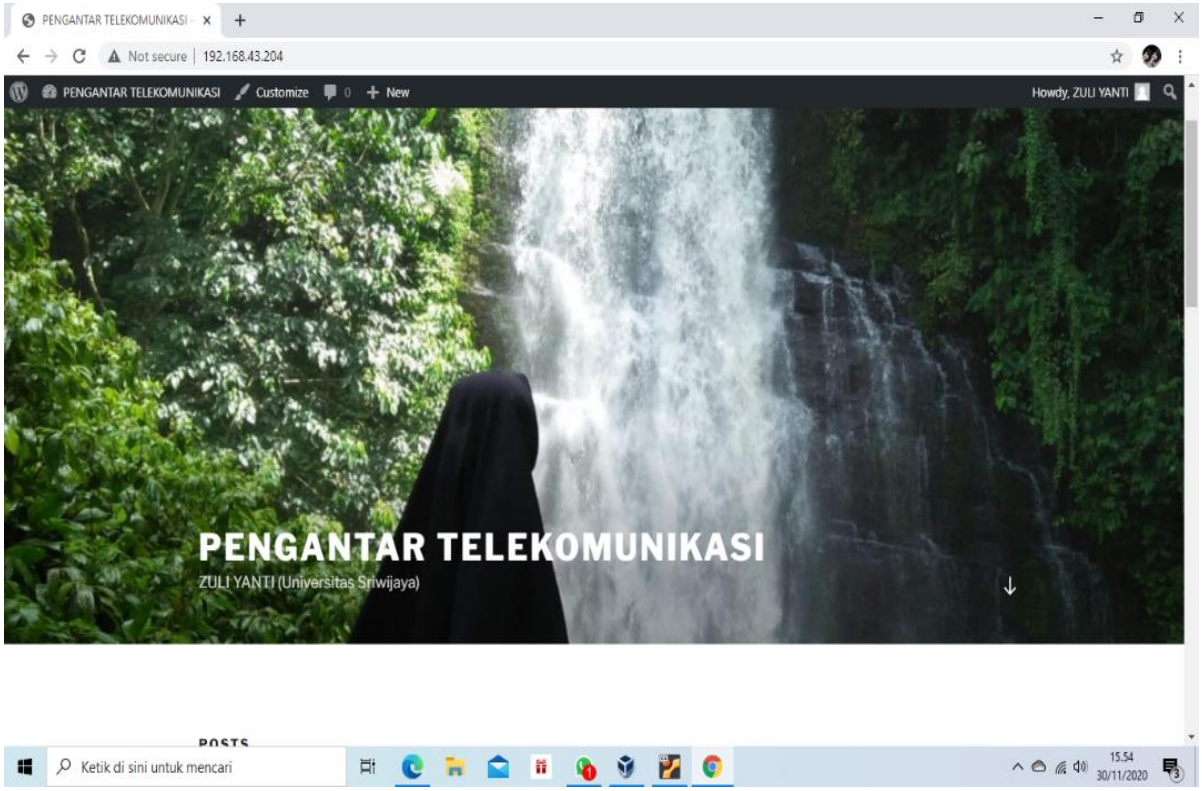

Not secure | 192.168.43.204/wp-admin/
Username or Email Address
ZULI YANTI
Password
Remember Me
Log In
Lost your password?
← Back to PENGANTAR TELEKOMUNIKASI
Waiting for 192.168.43.204...
Ketik di sini untuk mencari

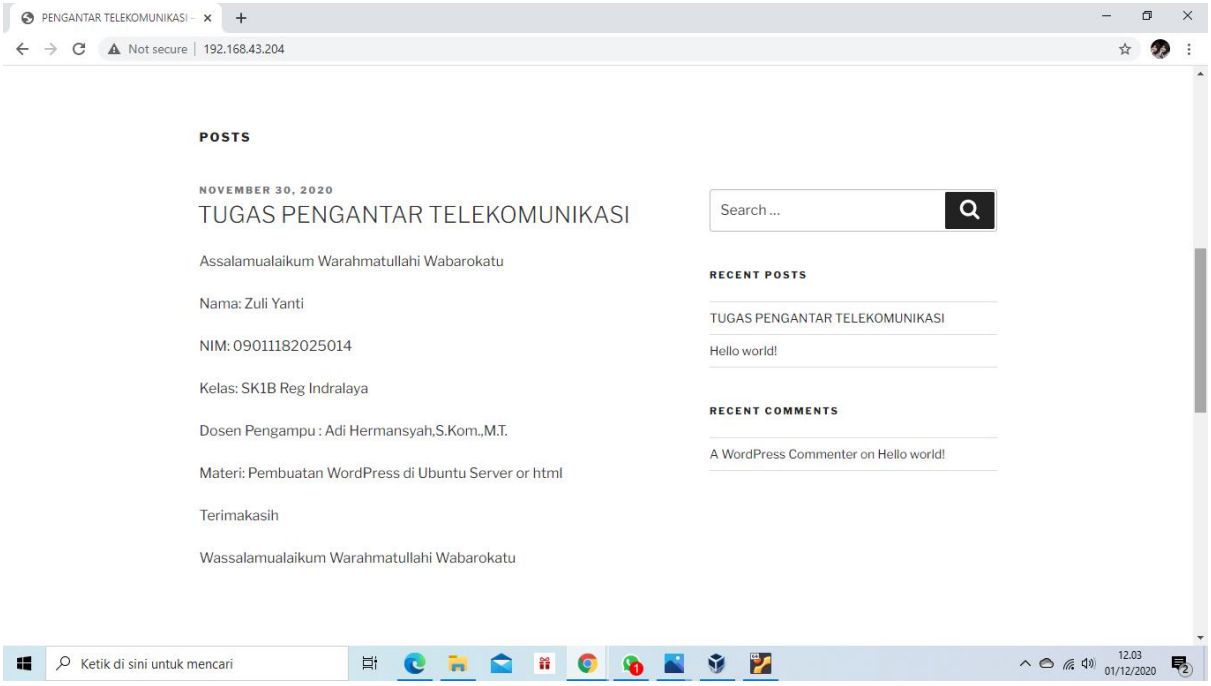
- wordpress sudah bisa digunakan





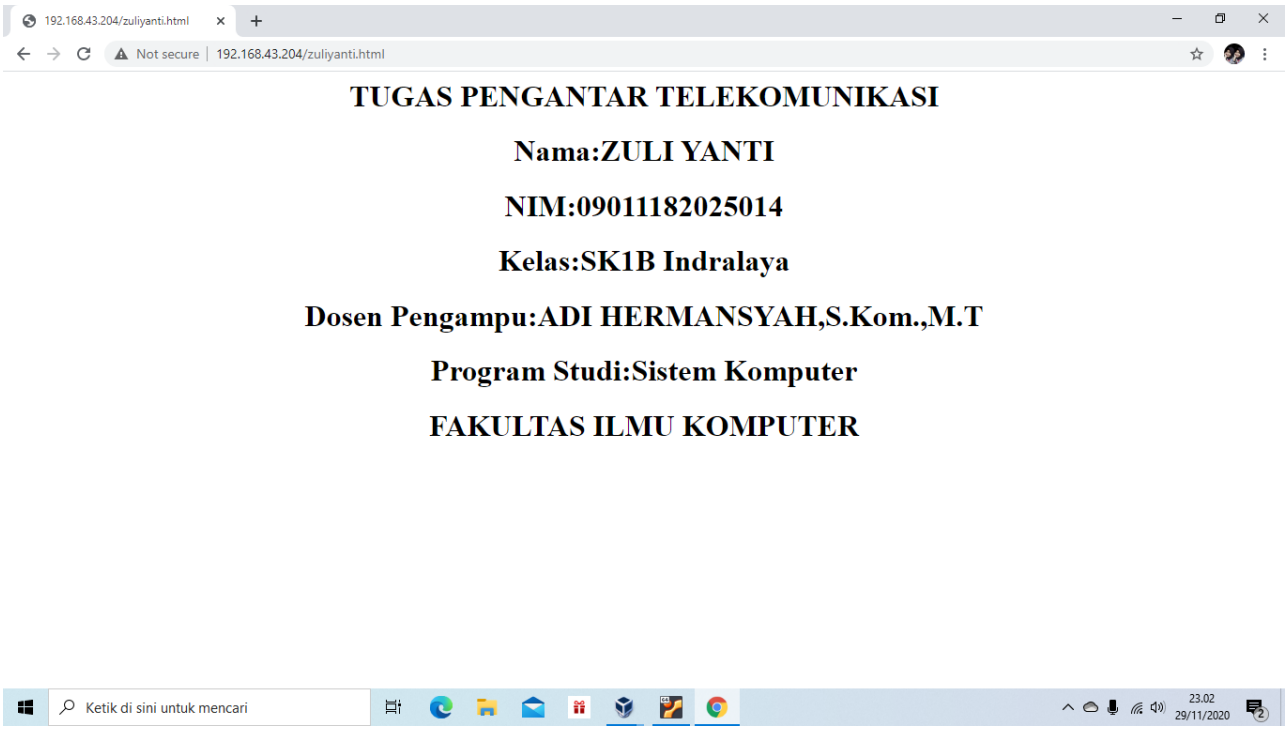
Dan ini adalah hasil wordpress yang saya buat





Dan ini adalah hasil html saya

192.168.43.204/zuliyanti.html



Referensi:

https://youtu.be/3kFEUX24PCE

https://www.youtube.com/watch?v=na-fT9ZgWPM&feature=youtu.be

https://www.youtube.com/watch?v=bsDhdWMBoX8

https://youtu.be/qZz-YiHrmR8

https://www.digitalocean.com/community/tutorials/how-to-install-wordpress-with-lamp-on-ubuntu-18-04.html

https://www.niagahoster.co.id/blog/cara-menggunakan-ssh/