

**LAPORAN PEMROSESAN PARALEL**  
**“Wordpress”**



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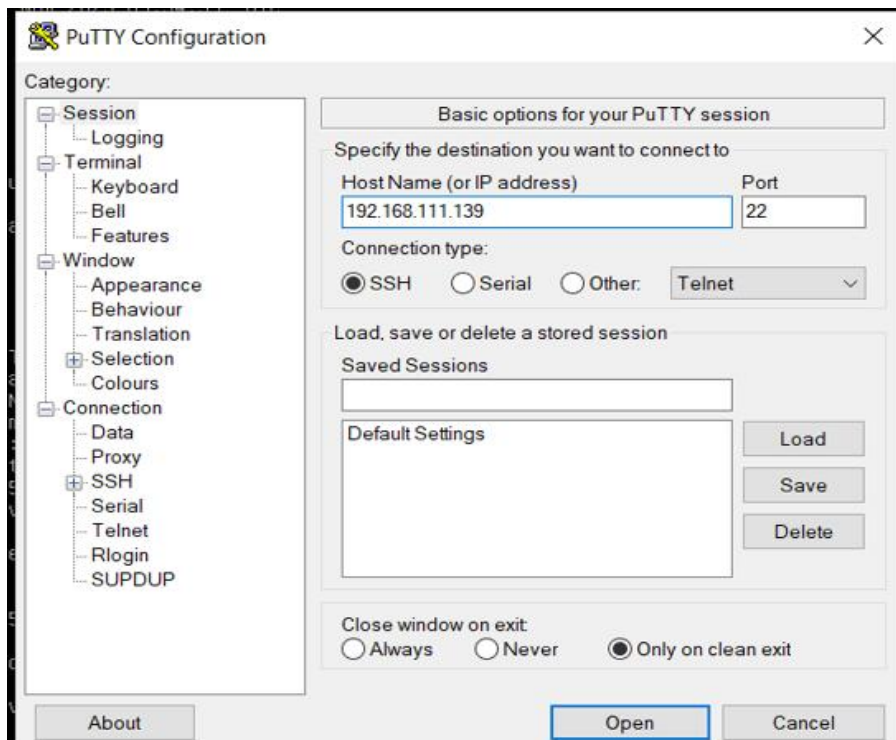
1. Setelah login ke ubuntu, ketik `ifconfig -a` untuk mengecek ip

```
ririnfebriana@ririn:~$ ifconfig -a
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.111.139 netmask 255.255.255.0 broadcast 192.168.111.255
    inet6 fe80::20c:29ff:fe73:7356 prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:73:73:56 txqueuelen 1000 (Ethernet)
    RX packets 258 bytes 294534 (294.5 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 93 bytes 8878 (8.8 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 96 bytes 7560 (7.5 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 96 bytes 7560 (7.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ririnfebriana@ririn:~$
```

2. Masuk/Login ke Ubuntu Server menggunakan Putty SSH server, lalu masukan hostname/ip address



### 3. Login ke putty

```
ririnfebriana@ririn: ~  
login as: ririnfebriana  
ririnfebriana@192.168.111.139's password:  
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-78-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Rab 08 Nov 2023 05:37:29 UTC  
  
System load:  0.33642578125      Processes:            247  
Usage of /:   48.9% of 9.75GB    Users logged in:     1  
Memory usage: 19%               IPv4 address for ens33: 192.168.111.139  
Swap usage:   0%  
  
Expanded Security Maintenance untuk Applications tidak difungsikan.  
0 pemutakhiran dapat diterapkan saat ini juga.  
  
Fungsikan ESM Apps untuk menerima pembaruan keamanan tambahan di masa depan.  
Lihat https://ubuntu.com/esm atau jalankan: sudo pro status
```

### 4. Untuk menginstal server web Apache, jalankan perintah berikut:

```
Last login: Wed Nov  8 05:34:41 2023  
ririnfebriana@ririn:~$ sudo apt update  
[sudo] password for ririnfebriana:  
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease  
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]  
Get:3 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]  
Get:4 http://archive.ubuntu.com/ubuntu jammy-security InRelease [110 kB]  
Get:5 http://archive.ubuntu.com/ubuntu jammy/main Translation-id [6.564 B]  
Get:6 http://archive.ubuntu.com/ubuntu jammy/main amd64 c-n-f Metadata [30,3 kB]  
Get:7 http://archive.ubuntu.com/ubuntu jammy/restricted Translation-id [292 B]  
Get:8 http://archive.ubuntu.com/ubuntu jammy/restricted amd64 c-n-f Metadata [48  
8 B]  
  
ririnfebriana@ririn:~$ sudo apt install apache2  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
The following additional packages will be installed:  
  apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1  
  libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support  
  ssl-cert  
Suggested packages:
```

## 5. Setelah instalasi selesai, aktifkan dan mulai Apache:

```
ririnfebriana@ririn:~$ sudo systemctl start apache2
ririnfebriana@ririn:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
ririnfebriana@ririn:~$
```

## 6. Instal PHP dan modul yang diperlukan untuk berjalan bersama Apache:

Setelah instalasi, pastikan PHP bekerja dengan Apache dengan baik: sudo

```
ririnfebriana@ririn:~$ sudo apt install php libapache2-mod-php php-mysql
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php8.1 php-common php8.1 php8.1-cli php8.1-common
  php8.1-mysql php8.1-opcache php8.1-readline
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php libapache2-mod-php8.1 php php-common php-mysql php8.1
  php8.1-cli php8.1-common php8.1-mysql php8.1-opcache php8.1-readline
0 upgraded, 11 newly installed, 0 to remove and 69 not upgraded.
Need to get 5.265 kB of archives.
After this operation, 21,8 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
ririnfebriana@ririn:~$ sudo systemctl restart apache2
```

## 7. Instal Database Server (MySQL):



```

ririnfebriana@ririn:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl
  libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl
  libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl
  libhttp-date-perl libhttp-message-perl libio-html-perl
  liblwp-mediatypes-perl libmecab2 libprotobuf-lite23 libtimedate-perl
  liburi-perl mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0
  mysql-client-core-8.0 mysql-common mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libbusiness-isbn-perl libwww-perl
  mailx tinyca
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl
  libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl
  libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl
  libhttp-date-perl libhttp-message-perl libio-html-perl
  liblwp-mediatypes-perl libmecab2 libprotobuf-lite23 libtimedate-perl

```

## 8. Buat Database dan Pengguna Database

```

ririnfebriana@ririn:~$ sudo mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.

VALIDATE PASSWORD COMPONENT can be used to test passwords
and improve security. It checks the strength of password
and allows the users to set only those passwords which are
secure enough. Would you like to setup VALIDATE PASSWORD component?

Press y|Y for Yes, any other key for No: y

There are three levels of password validation policy:

LOW      Length >= 8
MEDIUM  Length >= 8, numeric, mixed case, and special characters
STRONG Length >= 8, numeric, mixed case, special characters and dictionary
        file

Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG: 1

```

Buat database baru dan pengguna database untuk WordPress. Gantilah  
 `nama\_database`, `nama\_pengguna`, dan `password\_pengguna`

```

mysql> CREATE DATABASE ririnfebriana_database;
Query OK, 1 row affected (0,01 sec)

```

```
mysql> CREATE USER 'ririnfebriana'@'localhost' IDENTIFIED BY '24Ririn@#';
Query OK, 0 rows affected (0,04 sec)
```

```
mysql> GRANT ALL PRIVILEGES ON ririnfebriana_database.* TO 'ririnfebriana'@'localhost';
Query OK, 0 rows affected (0,01 sec)
```

```
mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0,04 sec)
```

```
mysql> EXIT;
Bye
ririnfebriana@ririn:~$
```

## 9. Instal WordPress:

Unduh dan ekstrak arsip WordPress ke direktori web root. Gantilah `nama\_folder` dengan nama folder yang diinginkan:

```
ririnfebriana@ririn:~$ cd /var/www/html
ririnfebriana@ririn:/var/www/html$ sudo wget https://wordpress.org/latest.tar.gz
[sudo] password for ririnfebriana:
--2023-11-08 06:17:45-- https://wordpress.org/latest.tar.gz
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: 24480560 (23M) [application/octet-stream]
Saving to: 'latest.tar.gz'

latest.tar.gz      100%[=====>] 23,35M  1,56MB/s   in 24s

2023-11-08 06:18:11 (1012 KB/s) - 'latest.tar.gz' saved [24480560/24480560]

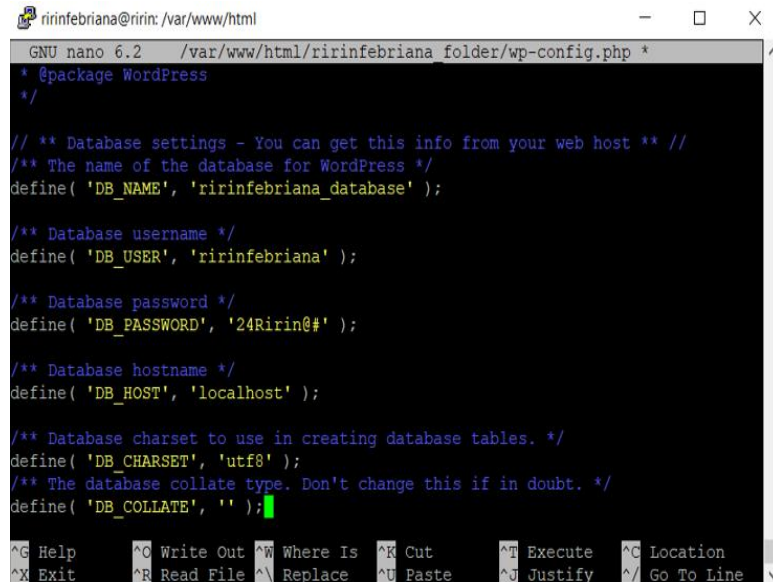
ririnfebriana@ririn:/var/www/html$
ririnfebriana@ririn:/var/www/html$ sudo tar -xzf latest.tar.gz
ririnfebriana@ririn:/var/www/html$ sudo mv wordpress ririnfebriana_folder
ririnfebriana@ririn:/var/www/html$
```

## 10. Konfigurasi WordPress:

Buat salinan file konfigurasi WordPress:

```
ririnfebriana@ririn:/var/www/html$ sudo nano /var/www/html/ririnfebriana_folder/wp-config.php
ririnfebriana@ririn:/var/www/html$
```

Ganti konfigurasi database dengan informasi yang sesuai yang telah dibuat sebelumnya:



```
ririnfebriana@ririn: /var/www/html
GNU nano 6.2 /var/www/html/ririnfebriana_folder/wp-config.php *
* @package WordPress
*/

// ** Database settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define( 'DB_NAME', 'ririnfebriana_database' );

/** Database username */
define( 'DB_USER', 'ririnfebriana' );

/** Database password */
define( 'DB_PASSWORD', '24Ririn@#' );

/** Database hostname */
define( 'DB_HOST', 'localhost' );

/** Database charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8' );
/** The database collate type. Don't change this if in doubt. */
define( 'DB_COLLATE', '' );

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

## 11. Setel Hak Akses:

Pastikan Apache memiliki hak akses yang tepat ke folder WordPress:

```
ririnfebriana@ririn:/var/www/html$ sudo chown -R www-data:www-data /var/www/html/ririnfebriana_folder
ririnfebriana@ririn:/var/www/html$
```

## 12. Konfigurasi Web Server:

Buat konfigurasi server web Apache untuk mengarahkan permintaan ke WordPress.  
Buat file konfigurasi baru:

```
ririnfebriana@ririn:/var/www/html$ sudo nano /etc/apache2/sites-available/192.168.111.139.conf
```

Isi konfigurasi server web:

```
ririnfebriana@ririn: /var/www/html
GNU nano 6.2 /etc/apache2/sites-available/192.168.111.139.conf *
<VirtualHost *:80>
    ServerAdmin admin@192.168.111.139
    DocumentRoot /var/www/html/ririnfebriana_folder
    ServerName 192.168.111.139
    ServerAlias www.192.168.111.139
    <Directory /var/www/html/ririnfebriana_folder>
        Options FollowSymLinks
        AllowOverride All
        Require all granted
    </Directory>
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

### 13. Aktifkan Konfigurasi dan restart Apache:

Aktifkan konfigurasi situs dan restart Apache:

```
ririnfebriana@ririn:/var/www/html$ sudo a2ensite 192.168.111.139.conf
Enabling site 192.168.111.139.
To activate the new configuration, you need to run:
    systemctl reload apache2
ririnfebriana@ririn:/var/www/html$
```

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

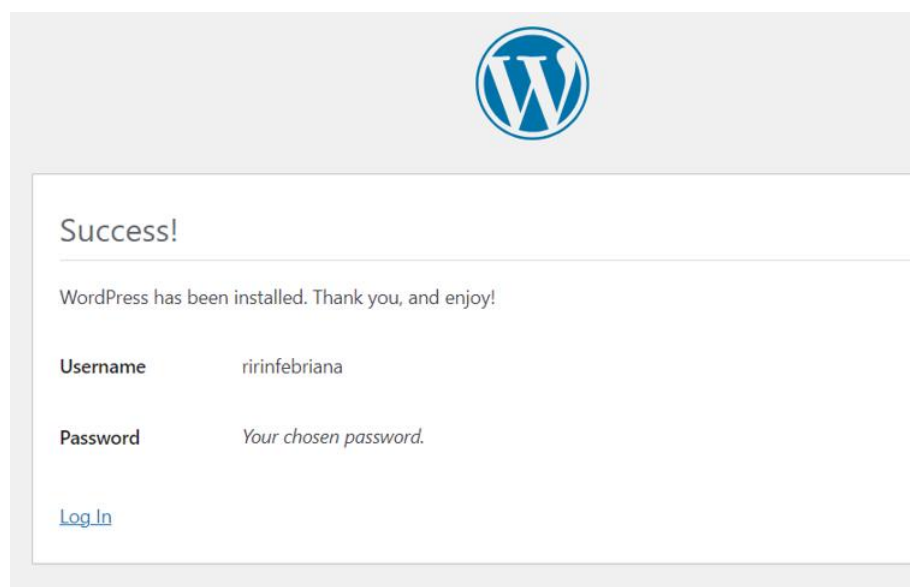
### 14. Cek status keaktifan apache2:



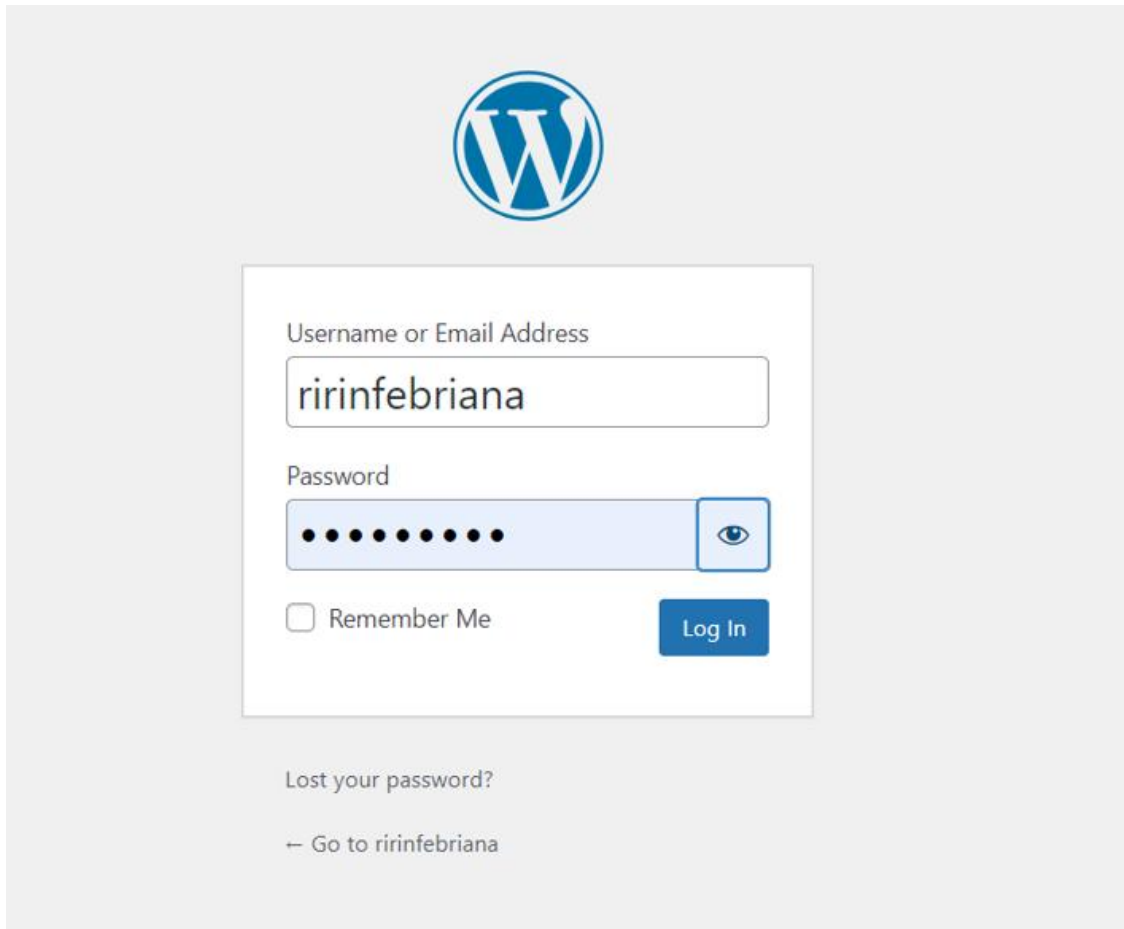
```
ririnfebriana@ririn: /var/www/html
systemctl reload apache2
ririnfebriana@ririn:/var/www/html$ sudo systemctl restart apache2
ririnfebriana@ririn:/var/www/html$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor prese
   Active: active (running) since Wed 2023-11-08 06:48:28 UTC; 1min 14s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 11795 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/S
 Main PID: 11800 (apache2)
    Tasks: 6 (limit: 2178)
   Memory: 10.3M
      CPU: 182ms
   CGroup: /system.slice/apache2.service
           └─11800 /usr/sbin/apache2 -k start
             └─11801 /usr/sbin/apache2 -k start
               └─11802 /usr/sbin/apache2 -k start
                 └─11803 /usr/sbin/apache2 -k start
                   └─11804 /usr/sbin/apache2 -k start
                     └─11805 /usr/sbin/apache2 -k start

Nov 08 06:48:28 ririn systemd[1]: Starting The Apache HTTP Server...
Nov 08 06:48:28 ririn apachectl[11799]: AH00558: apache2: Could not reliably de
Nov 08 06:48:28 ririn systemd[1]: Started The Apache HTTP Server.
lines 1-20/20 (END)
ririnfebriana@ririn:/var/www/html$ ls
index.html      ririnfebriana_folder
latest.tar.gz  ririnfebriana_folder wp-config.php
ririnfebriana@ririn:/var/www/html$
```

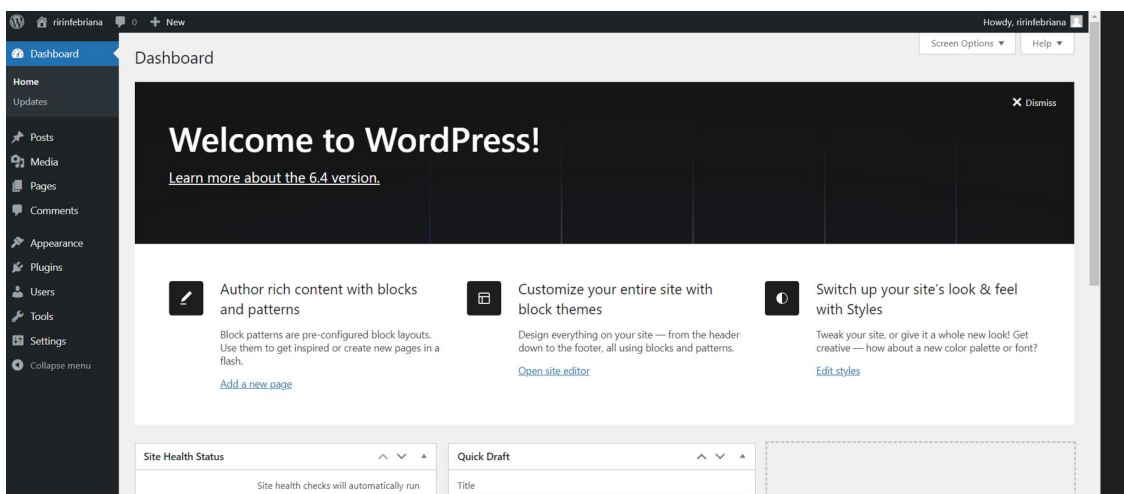
15. Lalu ke web dan ketik sesuai domain  
“http://192.168.1.30/wpadmin/install.php” maka tampilan akan berubah  
seperti ini:



**Kemudian langsung masuk ke admin page:**



**Ini adalah tampilan Homepage untuk Admin Server:**



**Ini adalah tampilan Halaman Web anda pada saat pengunjung masuk:**

