PEMROSESAN PARALEL

"Wordpress"

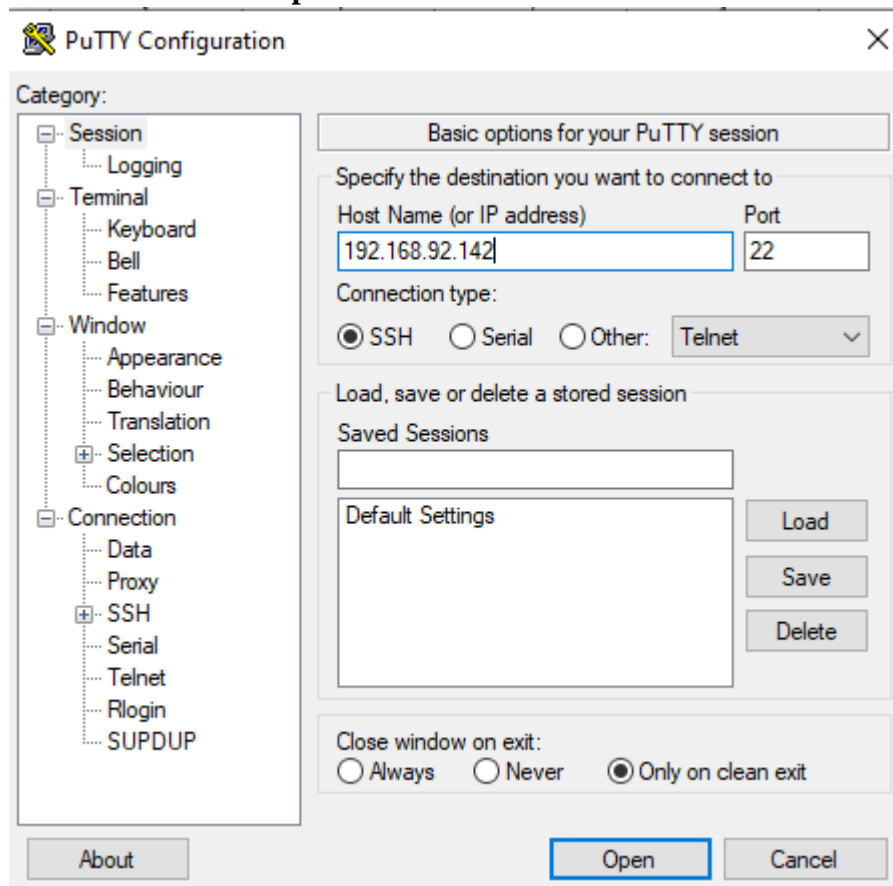**DOSEN PENGAMPU :**

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DISUSUN OLEH :

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KELAS : SK 5 B INDRALAYA

PROGRAM STUDI SISTEM KOMPUTER

FAKULTAS ILMU KOMPUTER

UNIVERSITAS SRIWIJAYA
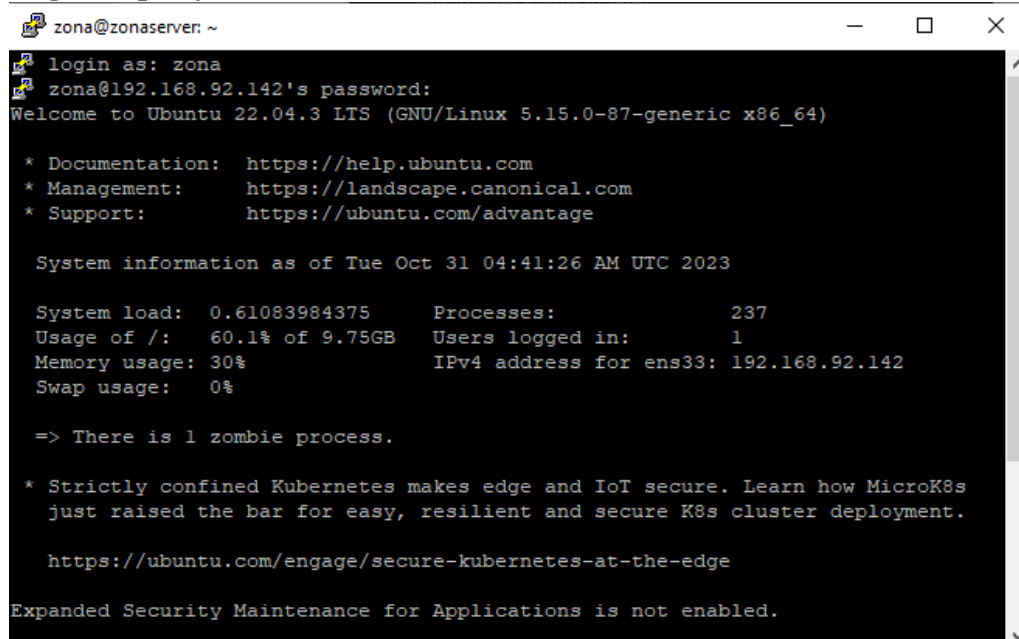
INDRALAYA

2023

1. **Setelah login ke ubuntu, ketik ip a untuk mengecek ip**


```
zona@zonaserver:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:1e:0a:dd brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.92.142/24 metric 100 brd 192.168.92.255 scope global dynamic ens33
       valid_lft 1699sec preferred_lft 1699sec
    inet6 fe80::20c:29ff:fe1e:add/64 scope link
       valid_lft forever preferred_lft forever
zona@zonaserver:~$ ifconfig
Command 'ifconfig' not found, but can be installed with:
sudo apt install net-tools
zona@zonaserver:~$ ifconfig -a
Command 'ifconfig' not found, but can be installed with:
sudo apt install net-tools
zona@zonaserver:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:0c:29:1e:0a:dd brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.92.142/24 metric 100 brd 192.168.92.255 scope global dynamic ens33
       valid_lft 1687sec preferred_lft 1687sec
    inet6 fe80::20c:29ff:fe1e:add/64 scope link
       valid_lft forever preferred_lft forever
```

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

3. Login ke putty

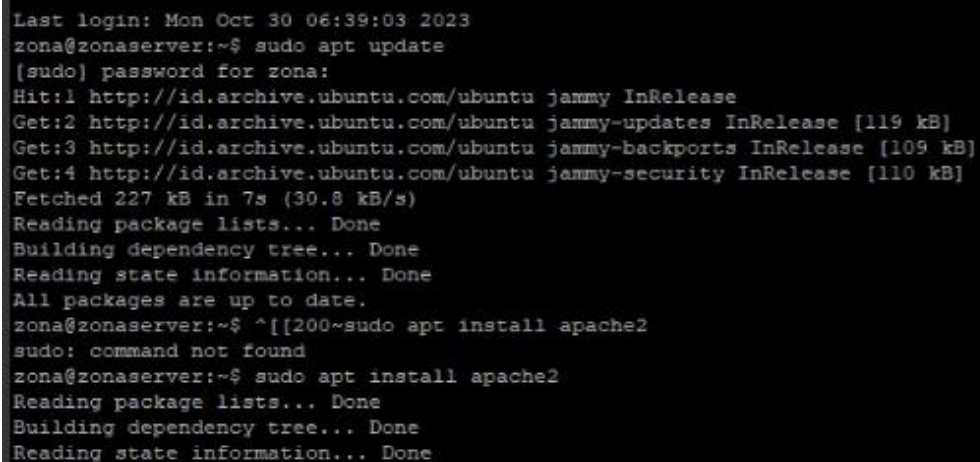**4. Untuk menginstal server web Apache, jalankan perintah berikut:**

sudo apt update

sudo apt install apache2

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

   sudo systemctl start apache2

   sudo systemctl enable apache2

```
zona@zonaserver:~$ sudo systemctl start apache2
zona@zonaserver:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-insta
ll.
Executing: /lib/systemd/systemd-sysv-install enable apache2
zona@zonaserver:~$ _
```

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

   sudo apt install php libapache2-mod-php php-mysql

   Setelah instalasi, pastikan PHP bekerja dengan Apache dengan baik:

   sudo systemctl restart apache2

```
zona@zonaserver:~$ sudo apt install php libapache2-mod-php php-mysql
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
libapache2-mod-php is already the newest version (2:8.1+92ubuntu1).
The following additional packages will be installed:
  php8.1 php8.1-mysql
The following NEW packages will be installed:
  php php-mysql php8.1 php8.1-mysql
0 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.
Need to get 144 kB of archives.
After this operation, 552 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Abort.
zona@zonaserver:~$ sudo systemctl restart apache2
zona@zonaserver:~$ _
```

7. **Instal Database Server (MySQL):**

   Berikut contoh penggunaan Mysql:

   sudo apt install mariadb-server

   Setelah instalasi selesai, amankan instalasi mysql:

   sudo mysql_secure_installation

```
zona@zonaserver: ~
No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
zona@zonaserver:~$ 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
haven't set the root password yet, you should just press enter here.
```

8. **Buat Database dan Pengguna Database**
   Log masuk ke mysql sebagai root:

   sudo mysql

   Buat database baru dan pengguna database untuk WordPress. Gantilah
   `nama_database`, `nama_pengguna`, dan `password_pengguna`


```
Thanks for using MariaDB!
zona@zonaserver:~$ sudo mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 41
Server version: 10.6.12-MariaDB-0ubuntu0.22.04.1 Ubuntu 22.04

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 nama_database;
Query OK, 1 row affected (0.017 sec)

MariaDB [(none)]> CREATE DATABASE zona_database;
Query OK, 1 row affected (0.018 sec)

MariaDB [(none)]> CREATE USER 'nama_pengguna'@'localhost' IDENTIFIED BY 'passwor
d_pengguna';
Query OK, 0 rows affected (0.071 sec)

MariaDB [(none)]> CREATE USER 'zona'@'localhost' IDENTIFIED BY 'zonaa';
Query OK, 0 rows affected (0.010 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON zona_database.* TO 'zona'@'localhost';

Query OK, 0 rows affected (0.007 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.049 sec)

MariaDB [(none)]> EXIT
```

9. **Instal WordPress:**

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

   ```
   zona@zonaserver:/var/www/html$ sudo wget https://wordpress.org/latest.tar.gz
   --2023-10-30 07:34:45--  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: 23465047 (22M) [application/octet-stream]
   Saving to: 'latest.tar.gz.1'

   latest.tar.gz.1    100%[===================>]  22.38M  857KB/s    in 98s

   2023-10-30 07:36:27 (235 KB/s) - 'latest.tar.gz.1' saved [23465047/23465047]

   zona@zonaserver:/var/www/html$ sudo tar -xzvf latest.tar.gz

   zona@zonaserver:/var/www/html$ sudo mv wordpress zona_folder
   ```

10. **Konfigurasi WordPress:**
    Buat salinan file konfigurasi WordPress:
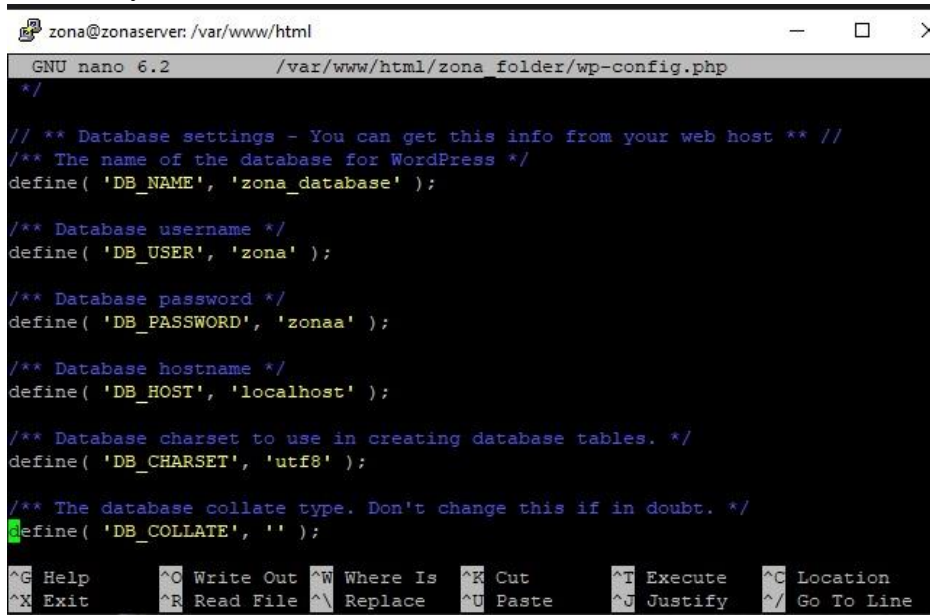
    ```
    zona@zonaserver:/var/www/html$ sudo nano /var/www/html/zona_folder/wp-config.php
    ```

    Selanjutnya, edit file `wp-config.php`:

    ```
    zona@zonaserver:/var/www/html$ sudo mv wordpress zona_folder
    zona@zonaserver:/var/www/html$ sudo cp /var/www/html/zona_folder/wp-config-sampl
    e.php /var/www/html/zona_folder/wp-config.php
    ```

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

    ```
    zona@zonaserver: /var/www/html                                  —    □    ×

      GNU nano 6.2              /var/www/html/zona_folder/wp-config.php
    */

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

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

    /** Database password */
    define( 'DB_PASSWORD', 'zonaa' );

    /** 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:
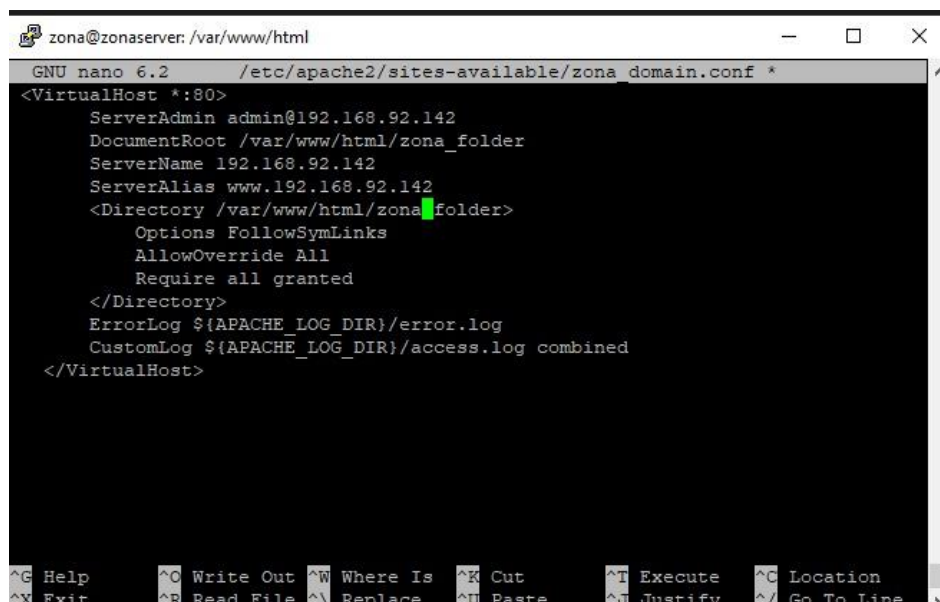
```
zona@zonaserver:/var/www/html$ sudo chown -R www-data:www-data /var/www/html/zon
a_folder
```

12. Konfigurasi Web Server:

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

```
zona@zonaserver:/var/www/html$ sudo nano /etc/apache2/sites-available/192.168.92
.142.conf
```

Isi konfigurasi server web:

```
zona@zonaserver: /var/www/html                                    —    □    ×

  GNU nano 6.2        /etc/apache2/sites-available/zona_domain.conf *
<VirtualHost *:80>
       ServerAdmin admin@192.168.92.142
       DocumentRoot /var/www/html/zona_folder
       ServerName 192.168.92.142
       ServerAlias www.192.168.92.142
       <Directory /var/www/html/zona_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:

```
zona@zonaserver:/var/www/html$ sudo nano /etc/apache2/sites-available/192.168.92
.142.conf
zona@zonaserver:/var/www/html$ sudo a2ensite 192.168.92.142.conf
Enabling site 192.168.92.142.
To activate the new configuration, you need to run:
  systemctl reload apache2
zona@zonaserver:/var/www/html$ sudo systemctl restart apache2
```
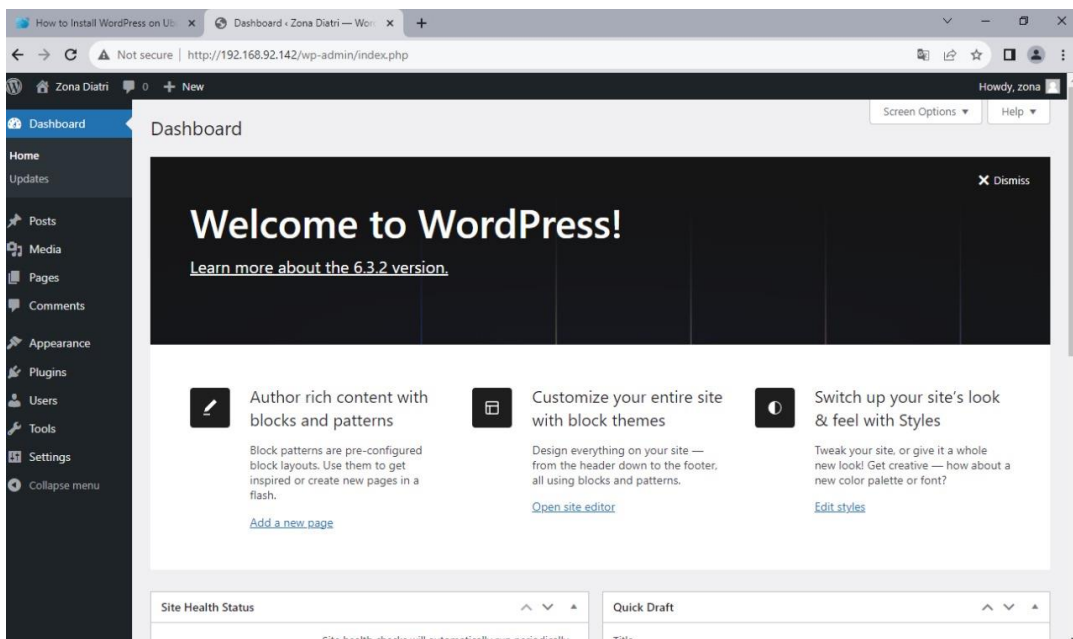
14. Cek status keaktifan apache2:

15. Lalu ke web dan ketik sesuai domain "http://192.168.1.30/wp-admin/install.php" maka tampilan akan berubah seperti ini:
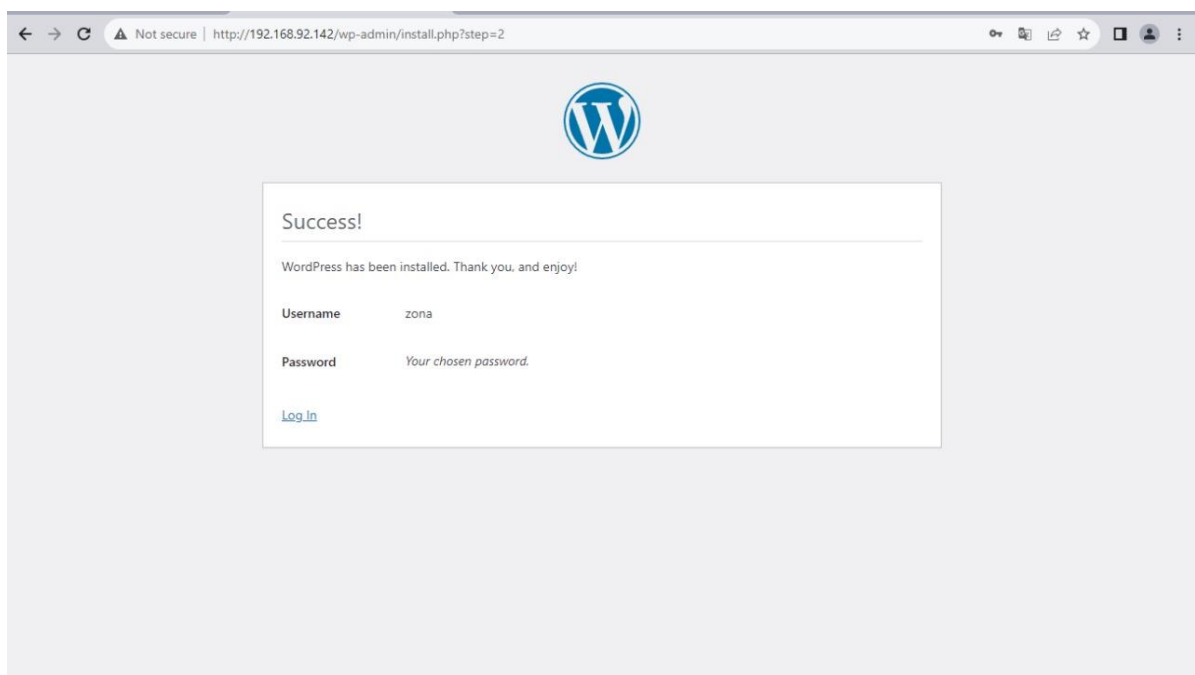
Kemudian langsung masuk ke admin page:

Ini adalah tampilan Homepage untuk Admin Server:

Ini adalah tampilan Halaman Web anda pada saat pengunjung masuk: