

PEMROSESAN PARALEL
“Wordpress”



DOSEN PENGAMPU :
ADI HERMANSYAH, M.T

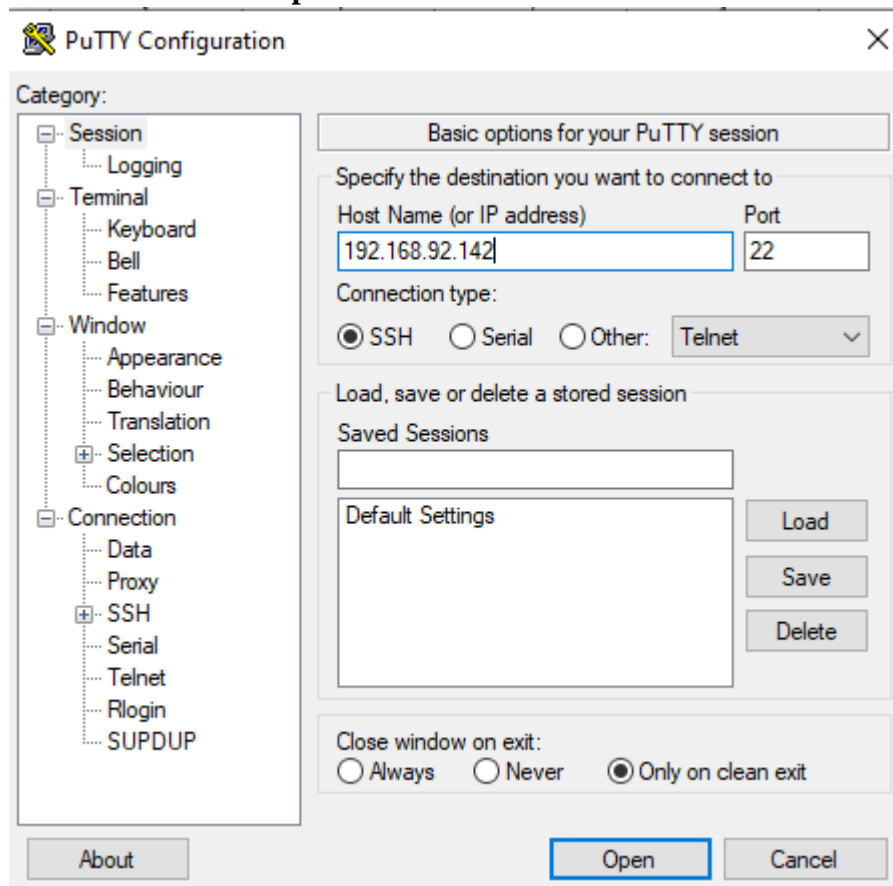
DISUSUN OLEH :
ZONA DIATRI (09011182126022)
KELAS : SK 5 B INDRALAYA

PROGRAM STUDI SISTEM KOMPUTER
FAKULTAS ILMU KOMPUTER
UNIVERSITAS SRIWIJAYA
INDRALAYA
2023

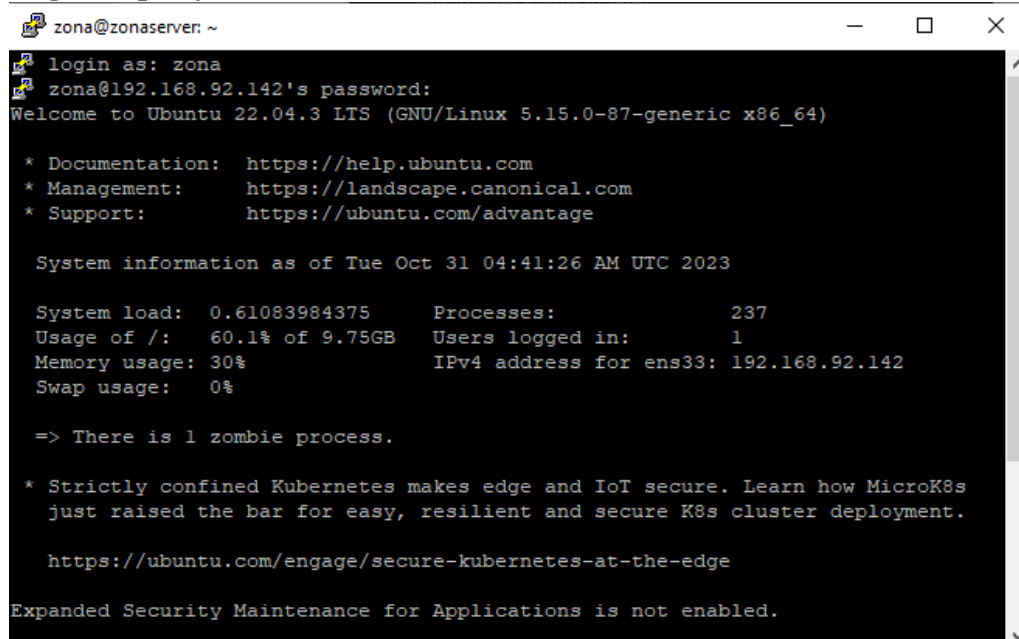
1. Setelah login ke ubuntu, ketik ip a untuk mengecek ip

```
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
zona@zonaserver:~$
```

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



3. Login ke putty

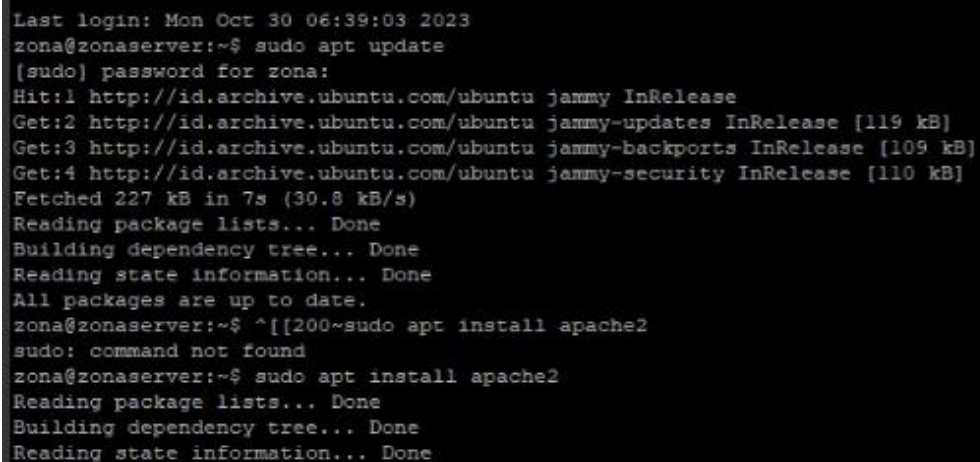


```
zona@zonaserver: ~  
login as: zona  
zona@192.168.92.142's password:  
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-87-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Tue Oct 31 04:41:26 AM UTC 2023  
  
System load:  0.61083984375      Processes:            237  
Usage of /:   60.1% of 9.75GB    Users logged in:     1  
Memory usage: 30%              IPv4 address for ens33: 192.168.92.142  
Swap usage:   0%  
  
=> There is 1 zombie process.  
  
* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s  
  just raised the bar for easy, resilient and secure K8s cluster deployment.  
  
  https://ubuntu.com/engage/secure-kubernetes-at-the-edge  
  
Expanded Security Maintenance for Applications is not enabled.
```

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

sudo apt update

sudo apt install apache2



```
Last login: Mon Oct 30 06:39:03 2023  
zona@zonaserver:~$ sudo apt update  
[sudo] password for zona:  
Hit:1 http://id.archive.ubuntu.com/ubuntu jammy InRelease  
Get:2 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]  
Get:3 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]  
Get:4 http://id.archive.ubuntu.com/ubuntu jammy-security InRelease [110 kB]  
Fetched 227 kB in 7s (30.8 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
All packages are up to date.  
zona@zonaserver:~$ ^[[200~sudo apt install apache2  
sudo: command not found  
zona@zonaserver:~$ sudo apt install apache2  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done
```

5. Setelah instalasi selesai, aktifkan dan mulai Apache:

```
sudo systemctl start apache2
```

```
sudo systemctl enable apache2
```

```
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
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-install.
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 'password_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 -xzf latest.tar.gz
zona@zonaserver:/var/www/html$ sudo mv wordpress zona_folder
```

10. Konfigurasi WordPress:

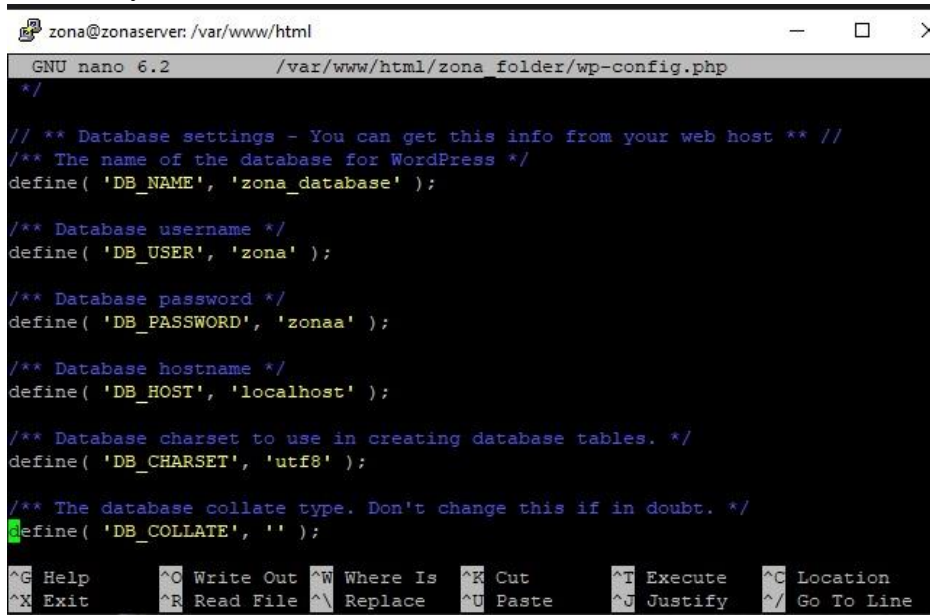
Buat salinan file konfigurasi WordPress:

```
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-sample.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
^K 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:

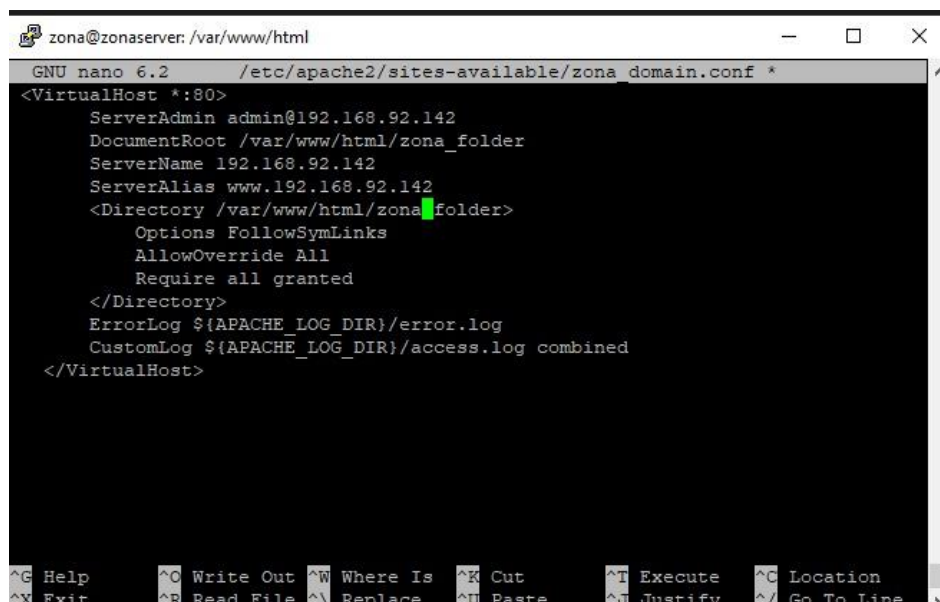
```
zona@zonaserver:/var/www/html$ sudo chown -R www-data:www-data /var/www/html/zona_folder
```

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:



```
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>
```

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
```

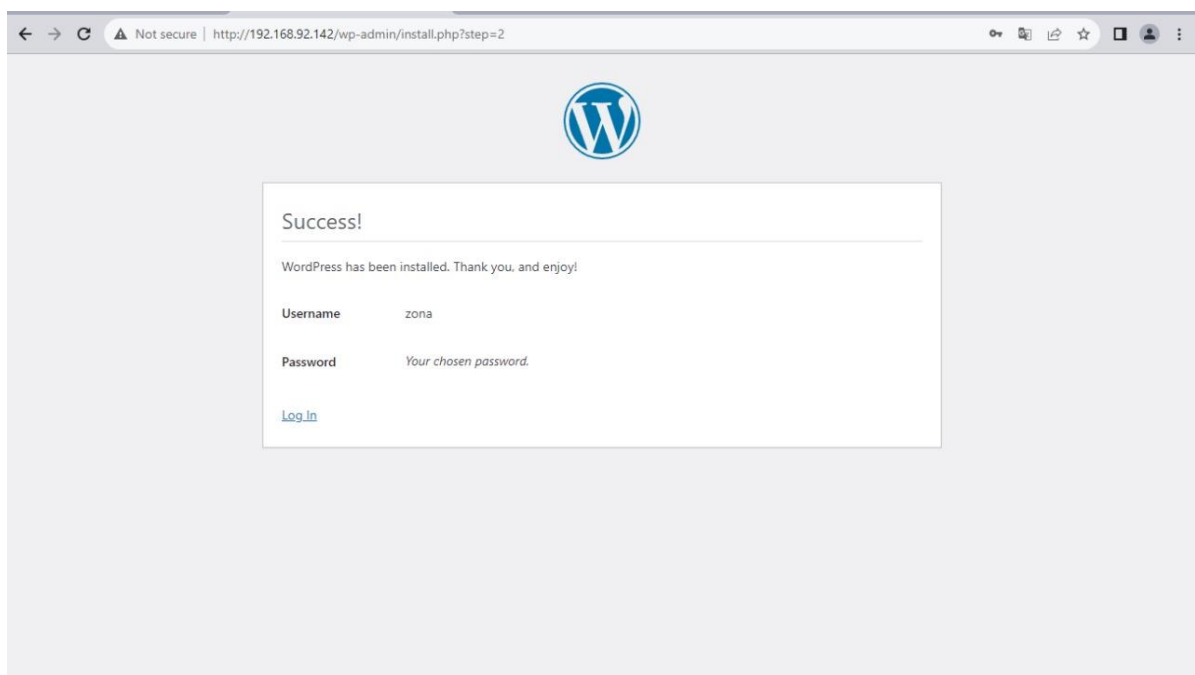

14. Cek status keaktifan apache2:

```
zona@zonaserver: /var/www/html
zona@zonaserver: /var/www/html$ sudo systemctl restart apache2
zona@zonaserver: /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 Mon 2023-10-30 08:26:17 UTC; lmin 38s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 3139 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SU
   Main PID: 3143 (apache2)
      Tasks: 6 (limit: 2170)
     Memory: 10.2M
        CPU: 511ms
    CGroup: /system.slice/apache2.service
            └─3143 /usr/sbin/apache2 -k start
              └─3144 /usr/sbin/apache2 -k start
                └─3145 /usr/sbin/apache2 -k start
                  └─3146 /usr/sbin/apache2 -k start
                    └─3147 /usr/sbin/apache2 -k start
                      └─3148 /usr/sbin/apache2 -k start

Oct 30 08:26:17 zonaserver systemd[1]: Starting The Apache HTTP Server...
Oct 30 08:26:17 zonaserver apachectl[3142]: AH00558: apache2: Could not reliabl
Oct 30 08:26:17 zonaserver systemd[1]: Started The Apache HTTP Server.
lines 1-20/20 (END) ...skipping...
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Mon 2023-10-30 08:26:17 UTC; lmin 38s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 3139 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
   Main PID: 3143 (apache2)
      Tasks: 6 (limit: 2170)
     Memory: 10.2M
        CPU: 511ms
    CGroup: /system.slice/apache2.service
            └─3143 /usr/sbin/apache2 -k start
              └─3144 /usr/sbin/apache2 -k start
                └─3145 /usr/sbin/apache2 -k start
                  └─3146 /usr/sbin/apache2 -k start
                    └─3147 /usr/sbin/apache2 -k start
                      └─3148 /usr/sbin/apache2 -k start

Oct 30 08:26:17 zonaserver systemd[1]: Starting The Apache HTTP Server...
Oct 30 08:26:17 zonaserver apachectl[3142]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set th
Oct 30 08:26:17 zonaserver systemd[1]: Started The Apache HTTP Server.
-
zona@zonaserver: /var/www/html$ ls
index.html  info.php  latest.tar.gz  latest.tar.gz.1  zona_folder
zona@zonaserver: /var/www/html$
```

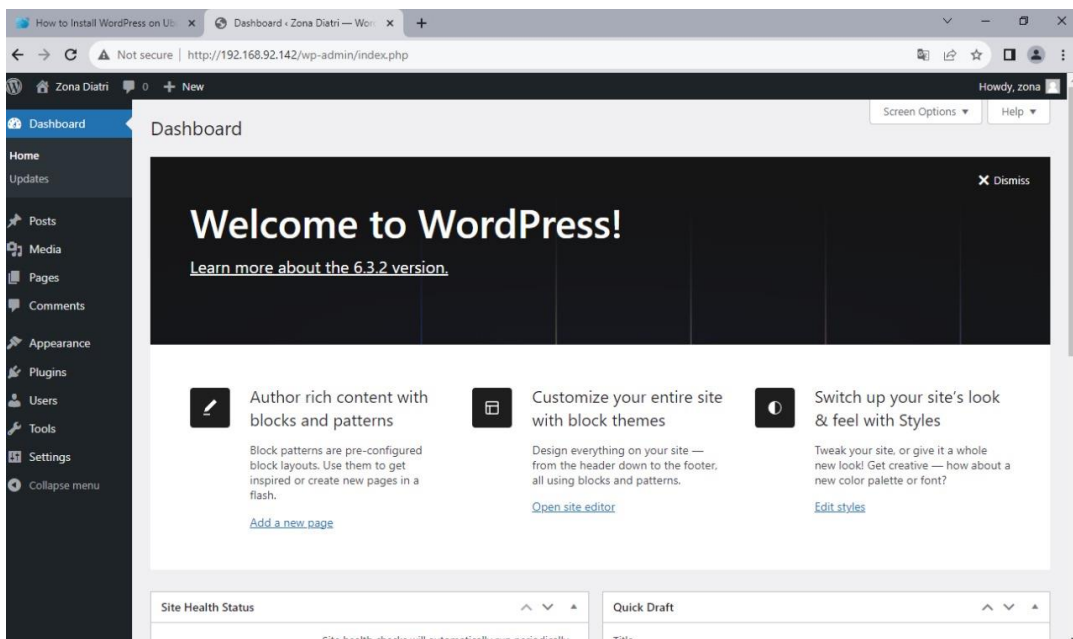
15. Lalu ke web dan ketik sesuai domain “http://192.168.1.30/wp-admin/install.php” maka tampilan akan berubah seperti ini:



Kemudian langsung masuk ke admin page:

The image shows the WordPress login interface. At the top center is the WordPress logo, a blue circle with a white 'W'. Below it is a white rectangular box containing the login fields. The first field is labeled 'Username or Email Address' and contains the text 'zona'. The second field is labeled 'Password' and contains a series of black dots, with an eye icon to its right for toggling visibility. Below these fields is a checkbox labeled 'Remember Me' and a blue 'Log In' button. At the bottom of the box, there is a link 'Lost your password?' and a link 'Go to Zona Diatri' with a left-pointing arrow.

Ini adalah tampilan Homepage untuk Admin Server:

The image shows the WordPress Admin Dashboard. The top navigation bar includes the site name 'Zona Diatri', a notification bell, and a '+ New' button. The left sidebar contains a menu with 'Dashboard' (selected), 'Home', 'Updates', 'Posts', 'Media', 'Pages', 'Comments', 'Appearance', 'Plugins', 'Users', 'Tools', 'Settings', and 'Collapse menu'. The main content area has a 'Dashboard' title and a 'Welcome to WordPress!' message with a link to 'Learn more about the 6.3.2 version'. Below this are three featured sections: 'Author rich content with blocks and patterns' (with a link to 'Add a new page'), 'Customize your entire site with block themes' (with a link to 'Open site editor'), and 'Switch up your site's look & feel with Styles' (with a link to 'Edit styles'). At the bottom, there are two widgets: 'Site Health Status' and 'Quick Draft'.

Ini adalah tampilan Halaman Web anda pada saat pengunjung masuk:

