

# **Laporan Pemerosesan Paralel**

## **“Instalasi Wordpress melalui Ubuntu Server menggunakan Apache2 dan Mysql”**



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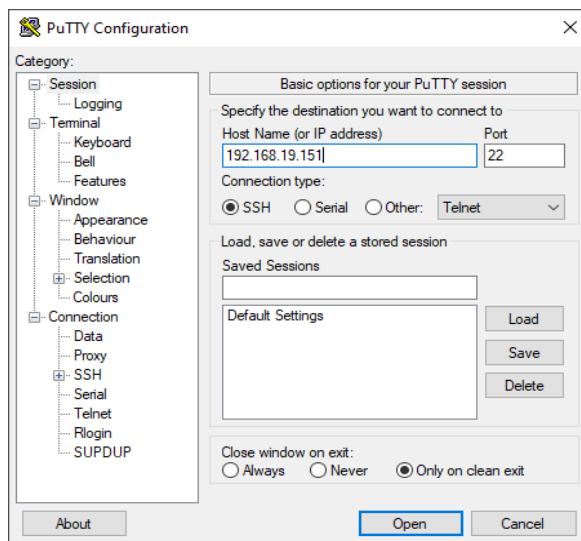
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## Install Wordpress pada Ubuntu Server

1. Langkah pertama sebelum mengakses server melalui Putty ialah mengecek ip yang terdapat pada server, karena melalui IP inilah nantinya Putty akan mengakses Server yang kita miliki. Melakukan cek ip dapat menggunakan perintah `$ ip addr`. Dapat di lihat bahwa ip yang saya miliki ialah 192.168.19.151/24

```
andrian@andrian:~$ sudo so
[sudo] password for andrian:
sudo: so: command not found
andrian@andrian:~$ sudo su
root@andrian:/home/andrian# ip addr
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:29:10:3f:13 brd ff:ff:ff:ff:ff:ff
    altname enp2s1
    inet 192.168.19.151/24 metric 100 brd 192.168.19.255 scope global dynamic ens33
        valid_lft 3499sec preferred_lft 3499sec
    inet6 fe80::20c:29ff:fe10:3f13/64 scope link
        valid_lft forever preferred_lft forever
root@andrian:/home/andrian#
```

2. Kemudian buka Putty dan masukkan ip pada server dan kemudian klik open.



3. Selanjutnya masuk kan nama server dan password. Kemudian masuk kembali sebagai root dengan perintah `$ sudo su`, dan lakukan update dengan perintah `$sudo apt update`

```
root@andrian: /home/andrian
Internet connection or proxy settings

Last login: Mon Oct 30 11:32:10 2023
andrian@andrian:~$ sudo su
[sudo] password for andrian:
root@andrian:/home/andrian# sudo apt update
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]
Hit:5 https://ppa.launchpadcontent.net/ondrej/php/ubuntu jammy InRelease
Get:6 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,107 kB]
Get:7 http://id.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [240 kB]
Get:8 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [16.1 kB]
Get:9 http://id.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1,037 kB]
Get:10 http://id.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [168 kB]
Fetched 2,905 kB in 6s (449 kB/s)
```

4. Selanjutnya install Apache2 beserta,mysql dan lib php. Lalu setelah semu di install aktifkan apache dengan menggunakan perintah `$sudo systemctl start apache2` dan `$sudo systemctl enable apache2`

```
root@andrian:/home/andrian# sudo apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-lubuntu4.6).
The following packages were automatically installed and are no longer required:
  libevent-pthreads-2.1-7 libmecab2 libprotobuf-lite23 mecab-ipadic
  mecab-ipadic-utf8 mecab-utils php8.1 php8.1-cli php8.1-common php8.1-fpm
  php8.1-opcache php8.1-readline
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 22 not upgraded.
root@andrian:/home/andrian#

~$ sudo apt install libapache2-mod-php mysql-server php php-
```

5. Lalu melakukan pengisntallan maria db dan masuk kemenu `sudo mysql`

```
sudo apt install mariadb-server
```

```
root@andrian:/home/andrian
Thanks for using MariaDB!
root@andrian:/home/andrian# sudo mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 34
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 andrian;
Query OK, 1 row affected (0.027 sec)

MariaDB [(none)]> CREATE USER 'andrian'@'localhost' IDENTIFIED BY '1234567890';
ERROR 1396 (HY000): Operation CREATE USER failed for 'andrian'@'localhost'
MariaDB [(none)]> CREATE USER 'andrians'@'localhost' IDENTIFIED BY '1234567890';
Query OK, 0 rows affected (0.175 sec)

MariaDB [(none)]> grant all privileges on andrians.* to 'andrians'@'localhost';
Query OK, 0 rows affected (0.056 sec)

MariaDB [(none)]>
MariaDB [(none)]>
MariaDB [(none)]>
MariaDB [(none)]> flush privileges;
Query OK, 0 rows affected (0.001 sec)
```

Kemudian pada `sudo mysql` kita akan melakukan pengaturan seperti membuat database,nama,password dll sesuai yang ingin kita gunakan seperti gambar di atas.

6. Selanjutnya ialah Melakukan instalasi Wordpress pada Ubuntu Server dan melakukan konfigurasi dengan menggunakan perintah `$ sudo wget https://wordpress.org/latest.tar.gz`

```
/var/www/html$ sudo wget https://wordpress.org/latest.tar.gz
```

Lalu masukan perintah `$ sudo mv wordpress yayan`, lalu membuat salinan dengan menggunakan perintah `$ sudo cp /var/www/html/yayan/wp-config-sample.php /var/www/html/yayan/wp-config.php`

```
root@andrian:/var/www/html# sudo mv wordpress yayan
root@andrian:/var/www/html# sudo cp /var/www/html/nama_folder/wp-config-sample.php /var/www/html/nama_folder/wp-config.php
root@andrian:/var/www/html# cp /var/www/html/yayan/wp-config-sample.php /var/www/html/yayan/wp-config.php
```

7. Lalu selanjutnya isi file konfigurasi dengan menulis nama database, username, password, dan localhost yg benar dengan menggunakan perintah `$ sudo nano /var/www/html/yayan/wp-config.php`

```
root@andrian:/var/www/html# sudo nano /var/www/html/yayan/wp-config.php
GNU nano 6.2 /var/www/html/yayan/wp-config.php

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

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

/** Database password */
define( 'DB_PASSWORD', '1234567890' );

/** 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', '' );

/**#@+
 * Authentication unique keys and salts.
 */
^G Help      ^C Write Out ^W Where Is  ^K Cut       ^I Execute   ^C Location
^X Exit      ^R Read File ^N Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

Kemudian simpan konfigurasi yang telah di ubah.

8. Kemudian ialah memberikan hak akses kepada Apache agar dapat mengakses folder Wordpress

```
root@andrian:/var/www/html# sudo chown -R www-data:www-data /var/www/html/yayan
```

9. Lalu lakukan konfigurasi pada server web dengan perintah `$ sudo nano /etc/apache2/sites-available/192.168.19.151.conf`. Dan kemudian atur isi file sesuai dengan settingan yang kita buat.

```
root@andrian:/var/www/html
GNU nano 6.2 /etc/apache2/sites-available/192.168.19.151.conf *
<VirtualHost *:80>
    ServerAdmin admin@192.168.19.151
    DocumentRoot /var/www/html/yayan
    ServerName 192.168.19.151
    ServerAlias www.192.168.19.151
    <Directory /var/www/html/yayan>
        Options FollowSymLinks
        AllowOverride All
        Require all granted
    </Directory>
    ErrorLog ${APACHE_LOG_DIR}/error.log
    CustomLog ${APACHE_LOG_DIR}/access.log combined
</VirtualHost>

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

10. Selanjutnya ialah konfigurasi dengan perintah `$ sudo a2ensite 192.168.19.151.conf` serta Melakukan restart dan mengecek status Apache2 `$ sudo systemctl restart apache2`, `$ sudo systemctl status apache2`

```
root@andrian:/var/www/html# sudo nano /etc/apache2/sites-available/192.168.19.151.conf
root@andrian:/var/www/html# sudo nano /etc/apache2/sites-available/192.168.19.151.conf
root@andrian:/var/www/html# sudo nano /etc/apache2/sites-available/192.168.19.151.conf
root@andrian:/var/www/html# sudo a2ensite 192.168.19.151.conf
Enabling site 192.168.19.151.
To activate the new configuration, you need to run:
  systemctl reload apache2
root@andrian:/var/www/html# sudo systemctl restart apache2
root@andrian:/var/www/html# sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enable
   Active: active (running) since Mon 2023-10-30 13:04:25 UTC; 12s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 2805 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 2809 (apache2)
       Tasks: 6 (limit: 2178)
      Memory: 14.8M
         CPU: 136ms
    CGroup: /system.slice/apache2.service
            └─2809 /usr/sbin/apache2 -k start
              └─2810 /usr/sbin/apache2 -k start
                └─2811 /usr/sbin/apache2 -k start
                  └─2812 /usr/sbin/apache2 -k start
                    └─2813 /usr/sbin/apache2 -k start
                      └─2814 /usr/sbin/apache2 -k start
```

Dapat dilihat bahwa status apache yang telah dikonfigurasi Aktif/Running

11. Langkah berikutnya ialah mengakses wordpress pada dekstop dengan masukan <http://192.168.19.151/yayan> Atau sesuai dengan domain yang di gunakan

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**

**Username**   
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

**Password**   
Very weak [Hide](#)  
**Important:** You will need this password to log in. Please store it in a secure location.

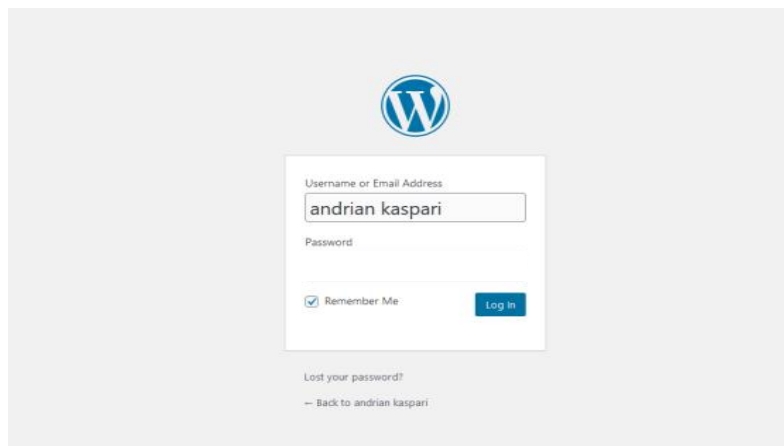
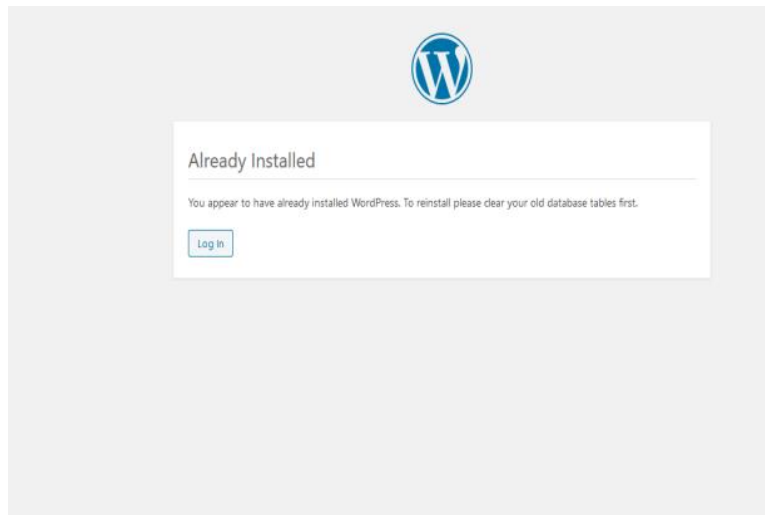
**Confirm Password** ☒ Confirm use of weak password

**Your Email**   
Double-check your email address before continuing.

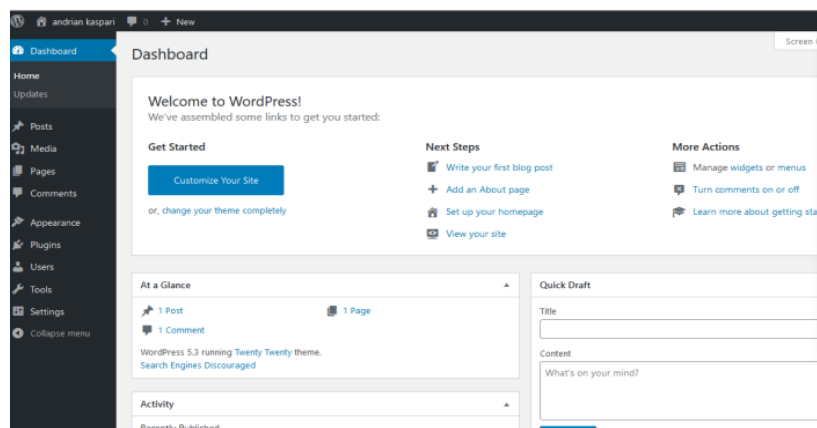
**Search Engine Visibility** ☐ Discourage search engines from indexing this site  
It is up to search engines to honor this request.

Jika sudah muncul tampilan seperti gambar di atas maka artinya konfigurasi telah berhasil dan kita tinggal melanjutkan setting pada wordpress .

12. Kemudian kita akan di arahkan untuk login kembali ke akun yang telah kita buat



13. Kemudian kita akan masuk ke laman dashboard wordpress milik kita. Dan disana kita dapat melakukan seting utk tampilan laman wordpress yang kita miliki



14. Langkah terakhir silahkan buat tampilan web kalian dan buka kembali untuk melihat tampilanyang telah di buat. Seperti gambar di bawah ini.

