

LAPORAN PEMROSESAN PARALEL

“Wordpress”



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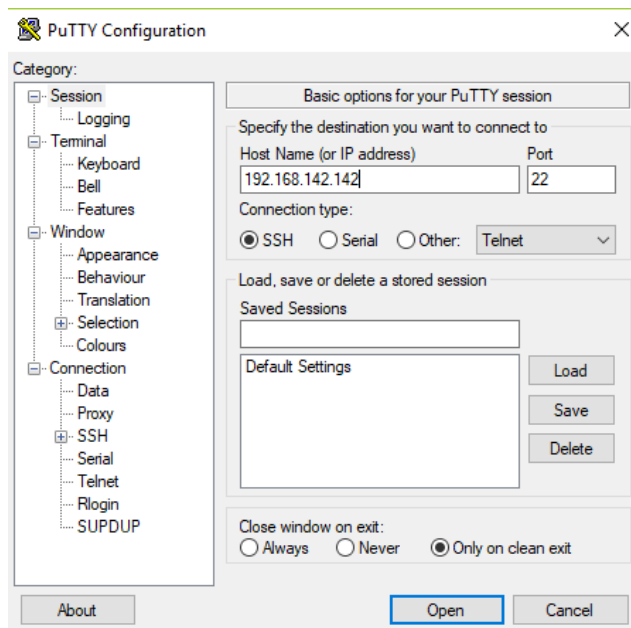
2023

1. Setelah login keubuntu,ketik ifconfig untuk mengecek ip

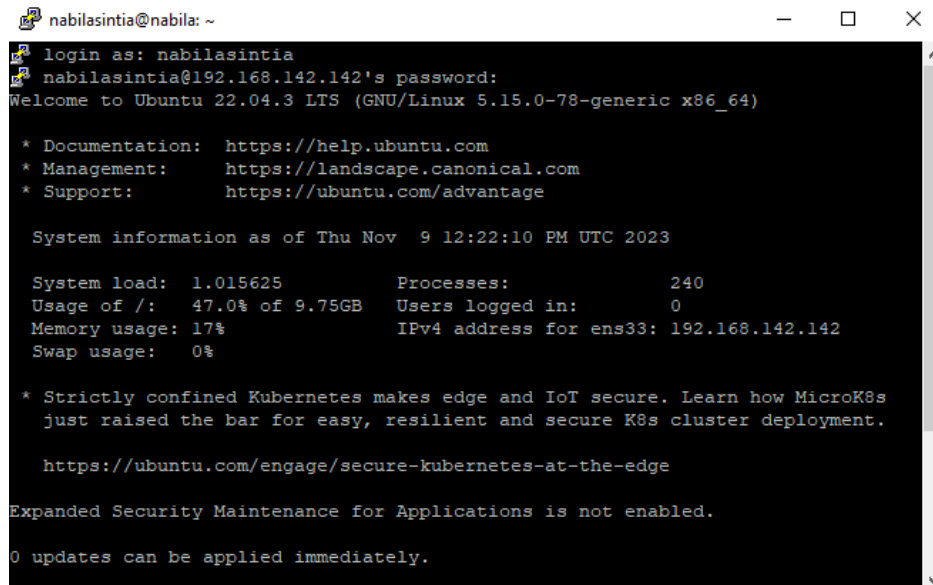
```
nabilasintia@nabila:~$ ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.142.142 netmask 255.255.255.0 broadcast 192.168.142.255
    inet6 fe80::20c:29ff:fe1d:76cc prefixlen 64 scopeid 0x20<link>
    ether 00:0c:29:1d:76:cc txqueuelen 1000 (Ethernet)
    RX packets 24115 bytes 28389611 (28.3 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 8853 bytes 1045939 (1.0 MB)
    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 197 bytes 19668 (19.6 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 197 bytes 19668 (19.6 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

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



3. Loginkeputty

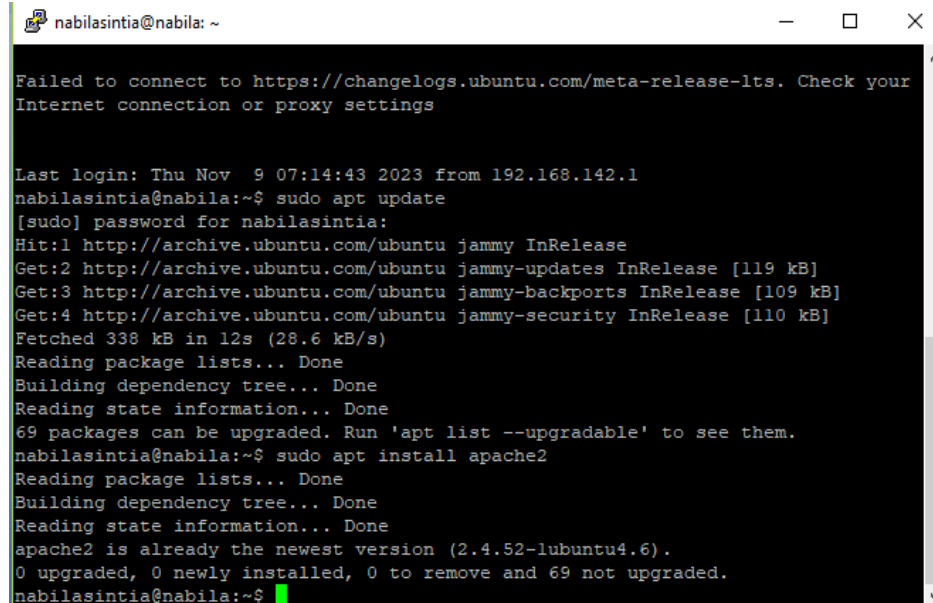


```
nabilasintia@nabila: ~  
login as: nabilasintia  
nabilasintia@192.168.142.142's password:  
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-78-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/advantage  
  
System information as of Thu Nov  9 12:22:10 PM UTC 2023  
  
System load:  1.015625      Processes:            240  
Usage of /:   47.0% of 9.75GB Users logged in:      0  
Memory usage: 17%          IPv4 address for ens33: 192.168.142.142  
Swap usage:   0%  
  
* 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.  
  
0 updates can be applied immediately.
```

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

Sudo apt update

Sudo apt install apache2



```
nabilasintia@nabila: ~  
Failed to connect to https://changelogs.ubuntu.com/meta-release-lts. Check your  
Internet connection or proxy settings  
  
Last login: Thu Nov  9 07:14:43 2023 from 192.168.142.1  
nabilasintia@nabila:~$ sudo apt update  
[sudo] password for nabilasintia:  
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]  
Fetched 338 kB in 12s (28.6 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
69 packages can be upgraded. Run 'apt list --upgradable' to see them.  
nabilasintia@nabila:~$ sudo apt install apache2  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
apache2 is already the newest version (2.4.52-1ubuntu4.6).  
0 upgraded, 0 newly installed, 0 to remove and 69 not upgraded.  
nabilasintia@nabila:~$
```

5. Setelah instalasi selesai,aktifkan dan mulai Apache:

`sudo systemctl start apache2`

`sudo systemctl enable apache2`

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

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

`Sudo apt install php libapache2-mod-php php-mysql`

```
nabilasintia@nabila:~$ 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).
php is already the newest version (2:8.1+92ubuntu1).
php-mysql is already the newest version (2:8.1+92ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 69 not upgraded.
nabilasintia@nabila:~$
```

Setelah instalasi, pastikan PHP bekerja dengan Apache dengan baik:

`Sudo system ctl restart apache2`

```
nabilasintia@nabila:~$ sudo systemctl restart apache2
nabilasintia@nabila:~$
```

7. Instal Database Server (MySQL):

Berikut contoh penggunaan Mysql:

`sudo apt install mariadb-server`

Setelah instalasi selesai,amankan instalasi mysql:

`sudo mysql_secure_installation`

```
nabilasintia@nabila:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mysql-server is already the newest version (8.0.35-0ubuntu0.22.04.1).
0 upgraded, 0 newly installed, 0 to remove and 69 not upgraded.
```

8. Buat Database dan Pengguna Database

Log masuk ke mysql sebagai root:

Sudo mysql

```
abdillah@abdillah:~$ 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: ^C
abdillah@abdillah:~$
```

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

```
mysql> CREATE DATABASE nabilasintia_database;
Query OK, 1 row affected (0.37 sec)

mysql> CREATE USER 'nabilasintia'@'localhost' IDENTIFIED BY '2306Jbila_';
Query OK, 0 rows affected (1.16 sec)

mysql> GRANT ALL PRIVILEGES ON nabilasintia_database.* TO 'nabilasintia'@'localhost';
Query OK, 0 rows affected (0.15 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.25 sec)

mysql> EXIT
Bye
nabilasintia@nabila:~$
```

9. InstalWordPress:

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

```
nabilasintia@nabila: /var/www/html
wordpress/wp-admin/js/color-picker.min.js
wordpress/wp-admin/js/auth-app.js
wordpress/wp-admin/js/code-editor.js
wordpress/wp-admin/js/common.js
wordpress/wp-admin/js/set-post-thumbnail.min.js
wordpress/wp-admin/js/postbox.min.js
wordpress/wp-admin/js/color-picker.js
wordpress/wp-admin/js/password-strength-meter.js
wordpress/wp-admin/js/customize-nav-menus.js
wordpress/wp-admin/js/editor-expand.js
wordpress/wp-admin/js/code-editor.min.js
wordpress/wp-admin/js/set-post-thumbnail.js
wordpress/wp-admin/options-permalink.php
wordpress/wp-admin/widgets.php
wordpress/wp-admin/setup-config.php
wordpress/wp-admin/install.php
wordpress/wp-admin/admin-header.php
wordpress/wp-admin/post-new.php
wordpress/wp-admin/themes.php
wordpress/wp-admin/options-reading.php
wordpress/wp-trackback.php
wordpress/wp-comments-post.php
nabilasintia@nabila:/var/www/html$ sudo mv wordpress nabilasintia_folder
nabilasintia@nabila:/var/www/html$
```

10. Konfigurasi WordPress:

Buat salinan file konfigurasi Word Press:

```
nabilasintia@nabila:/var/www/html$ sudo nano /var/www/html/nabilasintia_folder/w
p-config.php
nabilasintia@nabila:/var/www/html$
```

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

```
nabilasintia@nabila:/var/www/html$ sudo mv wordpress nabilasintia_folder
mv: cannot stat 'wordpress': No such file or directory
nabilasintia@nabila:/var/www/html$ sudo cp /var/www/html/nabilasintia_folder/wp-config-sample
.php /var/www/html/nabilasintia_folder/wp-config.php
nabilasintia@nabila:/var/www/html$
```

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

```
nabilasintia@nabila: /var/www/html
GNU nano 6.2 /var/www/html/nabilasintia_folder/wp-config.php *
* @link https://wordpress.org/documentation/article/editing-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', 'nabilasintia_database' );

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

/** Database password */
define( 'DB_PASSWORD', '2306Jbila' );

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

/** Database charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8' );

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

11. Setel Hak Akses:

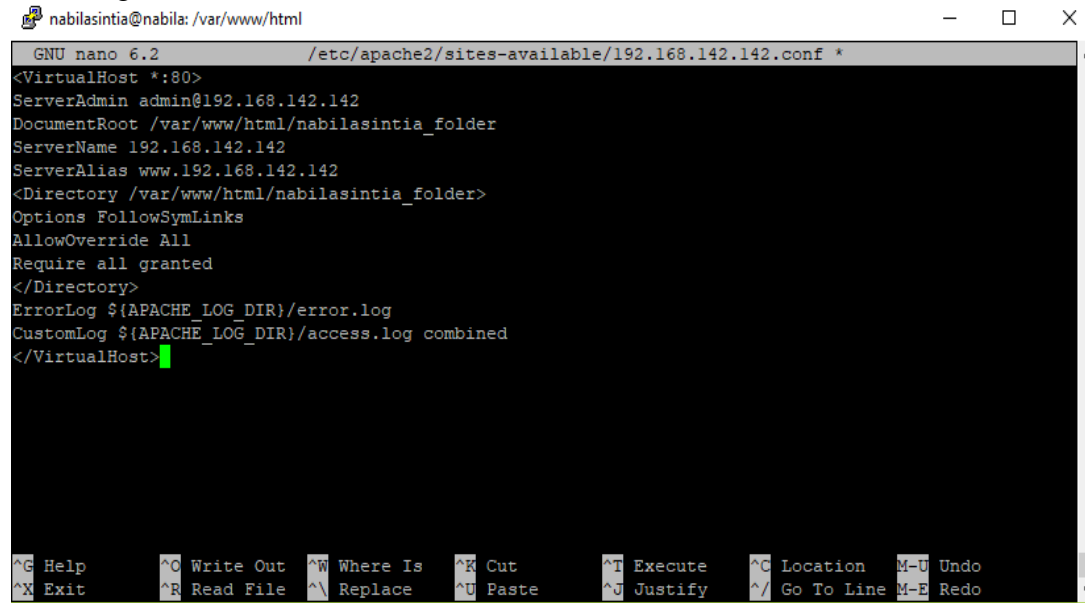
Pastikan Apache memiliki hak akses yang tepat ke folder WordPress:

```
nabilasintia@nabila:/var/www/html$ sudo chown -R www-data:www-data /var/www/html/nabilasintia_folder
nabilasintia@nabila:/var/www/html$
```

12. Konfigurasi Web Server:

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

Isi konfigurasi server web:



```
GNU nano 6.2 /etc/apache2/sites-available/192.168.142.142.conf *
<VirtualHost *:80>
ServerAdmin admin@192.168.142.142
DocumentRoot /var/www/html/nabilasintia_folder
ServerName 192.168.142.142
ServerAlias www.192.168.142.142
<Directory /var/www/html/nabilasintia_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:

```
nabilasintia@nabila:/var/www/html$ sudo a2ensite 192.168.142.142.conf
Enabling site 192.168.142.142.
To activate the new configuration, you need to run:
    systemctl reload apache2
nabilasintia@nabila:/var/www/html$ sudo systemctl restart apache2
nabilasintia@nabila:/var/www/html$
```

14. Cek status keaktifan apache2:

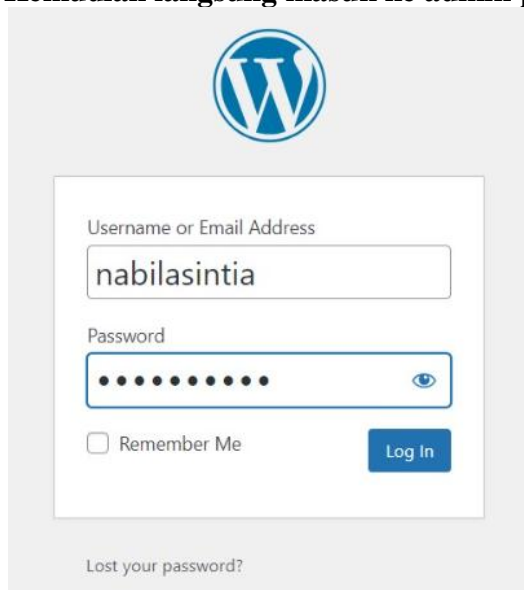
```
nabilasintia@nabila: /var/www/html

● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2023-11-09 10:20:27 UTC; 56s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 3725 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
  Main PID: 3729 (apache2)
    Tasks: 6 (limit: 2178)
   Memory: 10.1M
      CPU: 239ms
   CGroup: /system.slice/apache2.service
           └─3729 /usr/sbin/apache2 -k start
             └─3730 /usr/sbin/apache2 -k start
               └─3731 /usr/sbin/apache2 -k start
                 └─3732 /usr/sbin/apache2 -k start
                   └─3733 /usr/sbin/apache2 -k start
                     └─3734 /usr/sbin/apache2 -k start

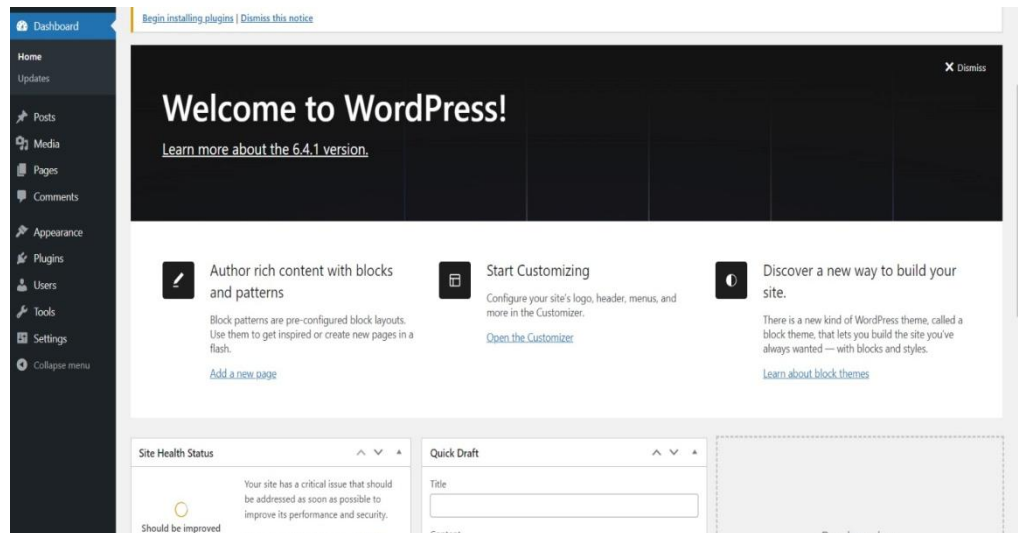
Nov 09 10:20:27 nabila systemd[1]: Starting The Apache HTTP Server...
Nov 09 10:20:27 nabila apachectl[3728]: AH00558: apache2: Could not reliably determine the server's
Nov 09 10:20:27 nabila systemd[1]: Started The Apache HTTP Server.
lines 1-20/20 (END)
nabilasintia@nabila:/var/www/html$ ls
index.html latest.tar.gz latest.tar.gz.1 nabila_folder nabilasintia_folder
nabilasintia@nabila:/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:



Ini adalah tampilan Home page untuk Admin Server:



Ini adalah tampilan Home page untuk Admin Server:

