

PEMROSESAN PARALEL



DISUSUN OLEH :

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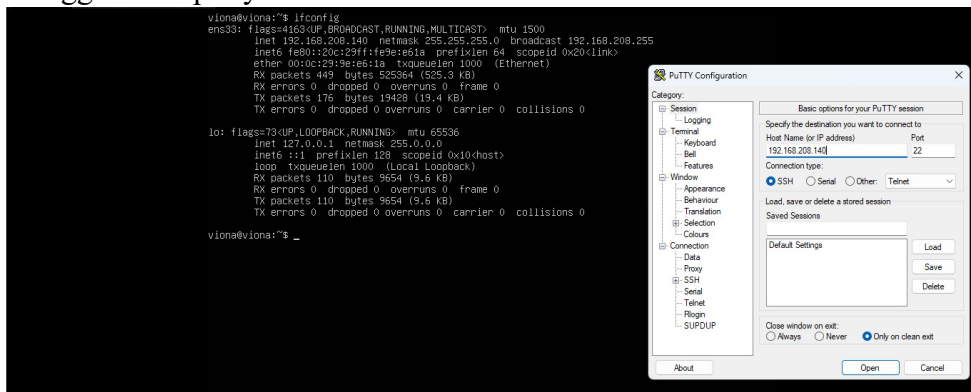
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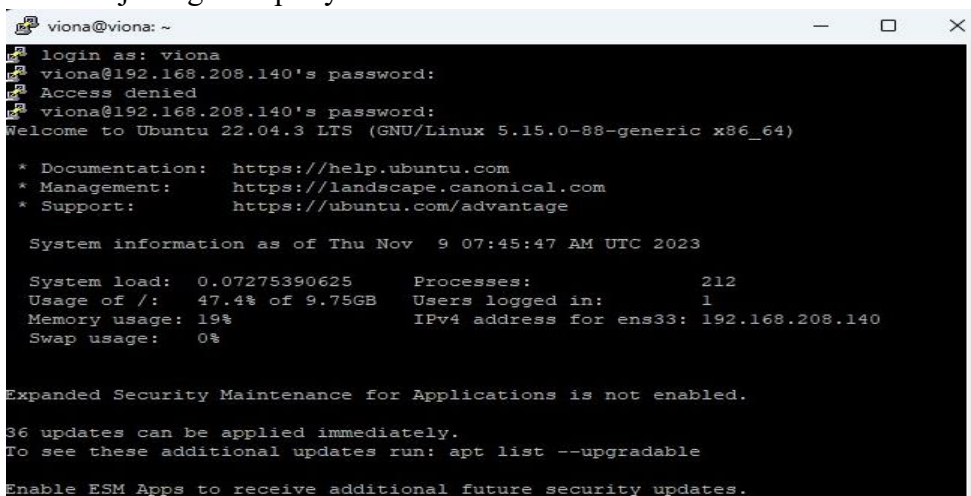
**FAKULTAS ILMU KOMPUTER
JURUSAN SISTEM KOMPUTER
UNIVERSITAS SRIWIJAYA**

2023

1. Ketik ifconfig pada terminal ubuntu server, lalu masukan ip address dengan menggunakan putty SSH.



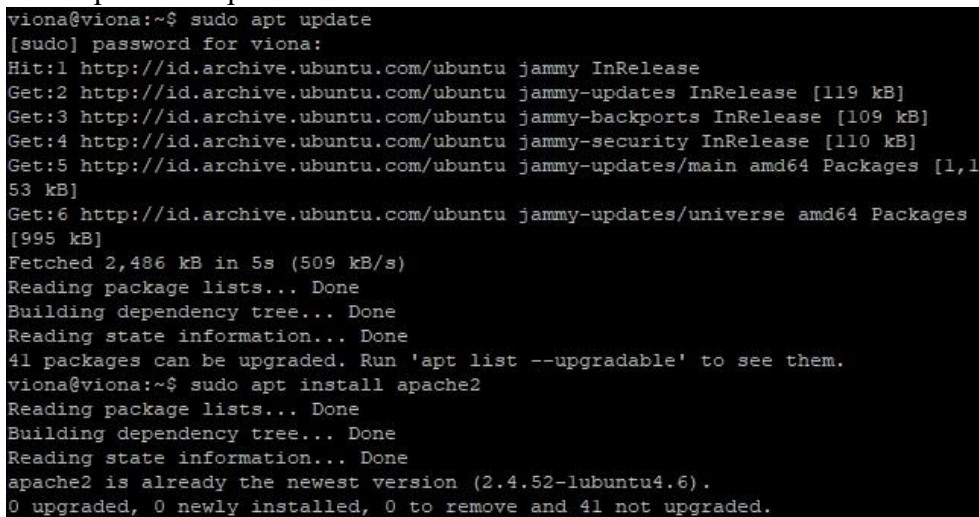
2. Lalu lanjut login ke putty



3. Dilanjutkan dengan melakukan penginstallan server web apache, yaitu dengan perintah :

Sudo apt update

Sudo apt install apache2



```

No init scripts are running outdated supervisor (qemu) binaries on this host.
viona@viona:~$ 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 41 not upgraded.
viona@viona:~$ sudo apt update
Hit:1 http://id.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://id.archive.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
41 packages can be upgraded. Run 'apt list --upgradable' to see them.
viona@viona:~$ 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 41 not upgraded.

```

4. Aktifkan apache

```

viona@viona:~$ sudo systemctl start apache2
viona@viona:~$ 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

```

5. Install php beserta modulnya

```

viona@viona:~$ 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 41 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
Get:1 http://id.archive.ubuntu.com/ubuntu jammy/main amd64 php-common all 2:92ubuntu1 [12.4 kB]
Get:2 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-common amd64 8.1.2-1ubuntu2.14 [1,127 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-opcache amd64 8.1.2-1ubuntu2.14 [365 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu jammy-updates/main amd64 php8.1-readline amd64 8.1.2-1ubuntu2.14 [365 kB]
viona@viona:~$ sudo systemctl restart apache2
viona@viona:~$

```

6. Lakukan penginstallan server MySQL

```

viona@viona:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libbcbi-fast-perl libbcbi-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 tinyc
The following NEW packages will be installed:
  libbcbi-fast-perl libbcbi-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 mysql-server-8.0 mysql-server-core-8.0

```

```
viona@viona:~$ 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
viona@viona:~$
```

7. Dilanjutkan dengan membuat database dan userdatabase

```
viona@viona:~$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.35-0ubuntu0.22.04.1 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
```

```
Copyright (c) 2000, 2023, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE DATABASE viona_database;
Query OK, 1 row affected (0.01 sec)

mysql> CREATE USER 'viona'@'localhost' IDENTIFIED BY 'Vional707@sk';
Query OK, 0 rows affected (0.03 sec)

mysql> GRANT ALL PRIVILEGES ON viona_database.* TO 'viona'@'localhost';
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.03 sec)

mysql> EXIT
Bye
viona@viona:~$
```

8. Lakukan penginstalan WordPress

```
viona@viona:/var/www/html$ sudo wget https://wordpress.org/latest.tar.gz
--2023-11-08 10:38:06-- 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  257KB/s   in 2m 14s

2023-11-08 10:40:21 (179 KB/s) - 'latest.tar.gz' saved [24480560/24480560]

viona@viona:/var/www/html$
```

```
viona@viona:/var/www/html$ sudo tar xzvf -latest.tar.gz
viona@viona:/var/www/html$ sudo mv wordpress viona_folder
viona@viona:/var/www/html$
```

9. Lakukan konfigurasi WordPress

```
viona@viona:/var/www/html$ sudo cp /var/www/html/viona_folder/wp-config-sample.php /var/www/html/
viona_folder/wp-config.php
viona@viona:/var/www/html$ sudo nano /var/www/html/viona_folder/wp-config.php
```



```
viona@viona: /var/www/html
GNU nano 6.2 /var/www/html/viona_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', 'viona_database' );

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

/** Database password */
define( 'DB_PASSWORD', 'Vional707@sk' );

/** 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
```

10. Setel hak ases

```
viona@viona:/var/www/html$ sudo chown -R www-data:www-data /var/www/html/viona_folder
[sudo] password for viona:
viona@viona:/var/www/html$
```

11. Lakukan konfigurasi web server, dengan menggunakan perintah sudo nano /etc/apache2/sites-available/192.168.208.140 yang akan menghasilkan output sebagai berikut :

```
viona@viona: /var/www/html
GNU nano 6.2 /etc/apache2/sites-available/192.168.208.140.conf *

<VirtualHost *:80>
    ServerAdmin admin@192.168.208.140
    DocumentRoot /var/www/html/viona_folder
    ServerName 192.168.208.140
    ServerAlias www.192.168.208.140
    <Directory /var/www/html/viona_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
```

12. Aktifkan konfigurasi kemudian restart Apache

```
viona@viona:/var/www/html$ sudo a2ensite 192.168.208.140.conf
[sudo] password for viona:
Enabling site 192.168.208.140.
To activate the new configuration, you need to run:
    systemctl reload apache2
viona@viona:/var/www/html$
```

13. Lakukan proses pengecekan apache2

```
viona@viona:/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 Wed 2023-11-08 13:19:37 UTC; 32s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 1600 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
    Main PID: 1604 (apache2)
       Tasks: 6 (limit: 2178)
      Memory: 20.7M
         CPU: 159ms
    CGroup: /system.slice/apache2.service
            └─1604 /usr/sbin/apache2 -k start
              └─1605 /usr/sbin/apache2 -k start
                └─1606 /usr/sbin/apache2 -k start
                  └─1607 /usr/sbin/apache2 -k start
                    └─1608 /usr/sbin/apache2 -k start
                      └─1609 /usr/sbin/apache2 -k start

Nov 08 13:19:37 viona systemd[1]: Starting The Apache HTTP Server...
Nov 08 13:19:37 viona apachectl[1603]: AH00558: apache2: Could not reliably determine th
Nov 08 13:19:37 viona systemd[1]: Started The Apache HTTP Server.
lines 1-20/20 (END)

viona@viona:/var/www/html$ ls
index.html  latest.tar.gz  viona_folder
viona@viona:/var/www/html$
```

14. Pindah ke website dan ketik domain <http://192.168.208.140/wp-admin/install.php> dan kemudian klik install wordpress.

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Do not 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 Show
Medium

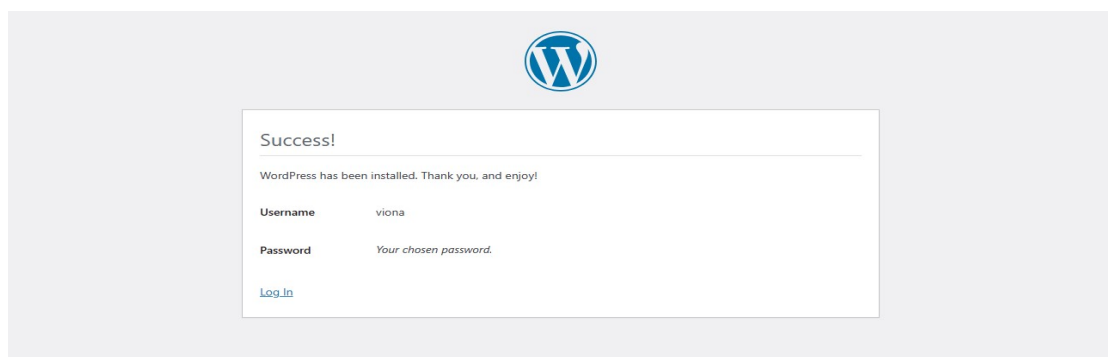
Important: You will need this password to log in. Please store it in a secure location.

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.

[Install WordPress](#)

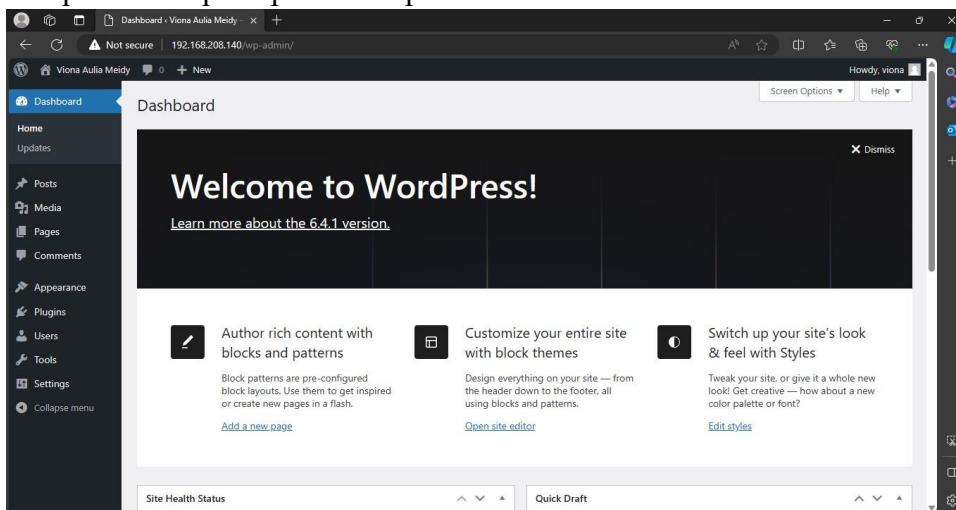
15. Maka hasilnya akan seperti berikut, ini menandakan wordpress success diinstall lanjut klik log in.



Halaman saat melakukan login :



Tampilan awal pada wordpress



Tampilan halaman web setelah pengunjung masuk :

