

# LAPORAN PRAKTIKUM

# 2021 CLOUD COMPUTING

Install WP dengan Web  
Server dan Database Server  
Terpisah

D3 Teknik Informatika

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Angkatan : 2020

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## Langkah kerja

1. Login PuTTY dengan IP Web Server
2. Lakukan testing menggunakan “*ping.google.com*” apakah IP tersebut sudah bisa berjalan
3. Kemudian ketik “*sudo su*”

```
ubuntu@ip-10-32-0-217:~$ sudo su
```

4. Sebelum melakukan instalasi, kita update dulu dengan mengetikkan perintah

“*apt.update*”

```
root@ip-10-32-0-217:/home/ubuntu# apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [109 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse Translation-en [104 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metadata [9136 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [947 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [216 kB]
```

5. Ketikkan perintah “*apt-get install apache2*”

```

root@ip-10-32-0-217:/home/ubuntu#
root@ip-10-32-0-217:/home/ubuntu# apt-get install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblua5.2-0 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
  openssl-blacklist
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblua5.2-0 ssl-cert
0 upgraded, 11 newly installed, 0 to remove and 62 not upgraded.
Need to get 1865 kB of archives.
After this operation, 8080 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/main amd64 libapr1 am
d64 1.6.5-1ubuntu1 [91.4 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil
1 amd64 1.6.1-4ubuntu2 [84.7 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil
1-dbd-sqlite3 amd64 1.6.1-4ubuntu2 [10.5 kB]

```

6. Kemudian cek status Apache yang sudah di install dengan mengetik perintah

*“systemctl status apache2”*

```

root@ip-10-32-0-217:/home/ubuntu#
root@ip-10-32-0-217:/home/ubuntu# systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor prese
   Active: active (running) since Thu 2021-04-22 08:42:36 UTC; 3min 14s ago
     Docs: https://httpd.apache.org/docs/2.4/
    Main PID: 1836 (apache2)
      Tasks: 55 (limit: 1160)
     Memory: 5.2M
    CGroup: /system.slice/apache2.service
            └─1836 /usr/sbin/apache2 -k start
              └─1838 /usr/sbin/apache2 -k start
                └─1839 /usr/sbin/apache2 -k start

Apr 22 08:42:36 ip-10-32-0-217 systemd[1]: Starting The Apache HTTP Server...
Apr 22 08:42:36 ip-10-32-0-217 apachectl[1835]: AH00558: apache2: Could not rel
Apr 22 08:42:36 ip-10-32-0-217 systemd[1]: Started The Apache HTTP Server.
root@ip-10-32-0-217:/home/ubuntu#
root@ip-10-32-0-217:/home/ubuntu# apt-get install php libapache2-mod-php php-mys
ql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:

```

7. Install PHP dengan “apt-get install php (dan lain – lain) seperti gambar di bawah ini

```


root@ip-10-32-0-217:/home/ubuntu#
root@ip-10-32-0-217:/home/ubuntu# apt-get install php libapache2-mod-php php-mys
ql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php7.4 php-common php7.4 php7.4-cli php7.4-common php7.4-json
  php7.4-mysql php7.4-opcache php7.4-readline
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php libapache2-mod-php7.4 php php-common php-mysql php7.4
  php7.4-cli php7.4-common php7.4-json php7.4-mysql php7.4-opcache
  php7.4-readline
0 upgraded, 12 newly installed, 0 to remove and 62 not upgraded.
Need to get 4144 kB of archives.
After this operation, 18.5 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/main amd64 php-common
  all 2:75 [11.9 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 ph
p7.4-common amd64 7.4.3-4ubuntu2.4 [979 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 ph

```


- Kemudian untuk cek apakah instalasinya sudah berjalan kita tambahkan Inbound pada Webservernya. Klik di bagian Security, kemudian klik bagian Security groupnya. Klik “Edit Inbound Rules”. Kemudian pada Type tambahkan HTTP. Klik “Save” rules. Jika sudah berhasil maka akan muncul tampilan seperti di bawah ini

Details


Security group name

 launch-wizard-2



Security group ID

 sg-032932c890e121095


Description

 launch-wizard-2 created 2021-04-05T07:15:51.985+07:00

VPC ID

 [vpc-02d59c045b7953b4b](#) 

Owner

 280752760548

Inbound rules count

2 Permission entries

Outbound rules count

1 Permission entry

Inbound rules

Outbound rules

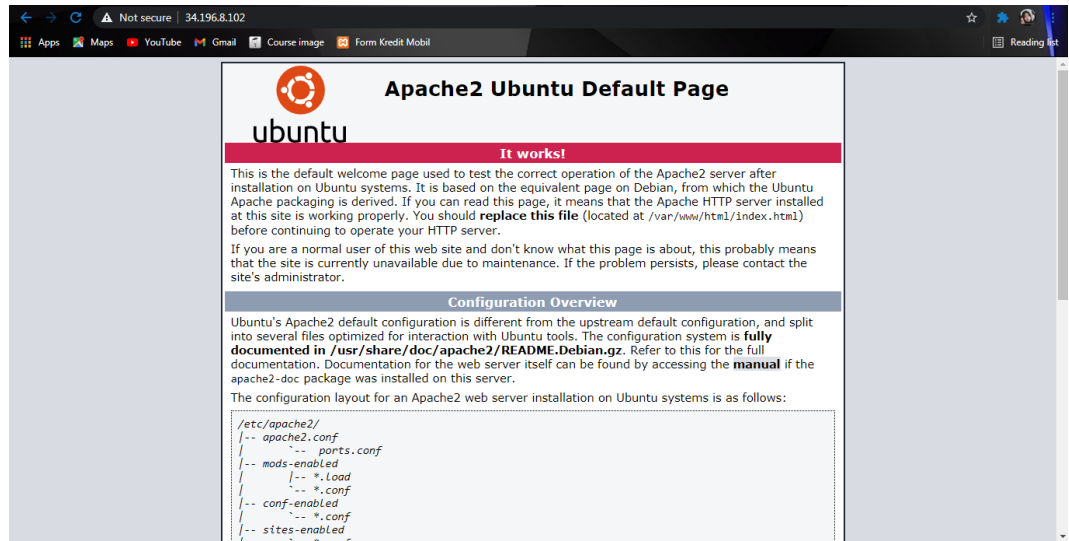
Tags

Inbound rules (2)

Edit inbound rules

Type	Protocol	Port range	Source	Description - optional
HTTP	TCP	80	0.0.0.0/0	-
SSH	TCP	22	0.0.0.0/0	-

- Refresh apache dengan mengetikkan “systemctl restart apache2” kemudian copy-kan IP tadi ke browser kemudian kita testing apakah sudah bias di akses atau belum. Disini Apache2 nya sudah bias di akses



10. Kemudian instal php Ketik perintah “*apt-get install php libapache2-mod-php php-mysql*”

```

root@ip-10-32-0-217:/home/ubuntu#
root@ip-10-32-0-217:/home/ubuntu# apt-get install php libapache2-mod-php php-mys
ql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php7.4 php-common php7.4 php7.4-cli php7.4-common php7.4-json
  php7.4-mysql php7.4-opcache php7.4-readline
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php libapache2-mod-php7.4 php php-common php-mysql php7.4
  php7.4-cli php7.4-common php7.4-json php7.4-mysql php7.4-opcache
  php7.4-readline
0 upgraded, 12 newly installed, 0 to remove and 62 not upgraded.
Need to get 4144 kB of archives.
After this operation, 18.5 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/main amd64 php-common
  all 2:75 [11.9 kB]
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 ph
p7.4-common amd64 7.4.3-4ubuntu2.4 [979 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 ph

```

11. Restart apache2 tadi dengan ketik perintah “*systemctl restart apache2*”

12. Ketik perintah

- “*cd /var/www/html/*
- *ls*
- *nano test.php*

```

root@ip-10-32-0-217:/home/ubuntu# cd /var/www/html/
root@ip-10-32-0-217:/var/www/html# ls
index.html
root@ip-10-32-0-217:/var/www/html# nano test.php
root@ip-10-32-0-217:/var/www/html#

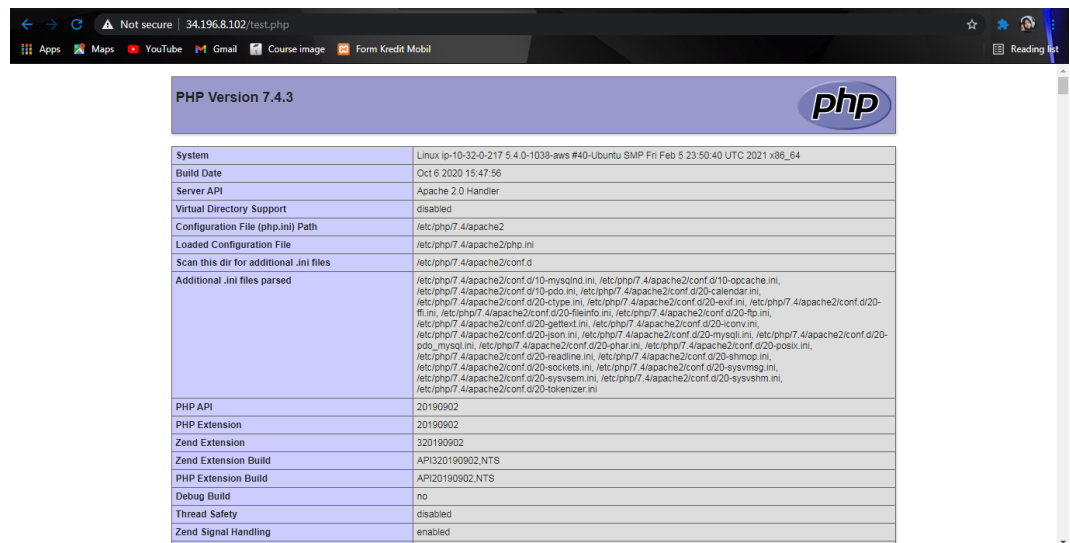
```

13. Kemudian masukkan script phpnya

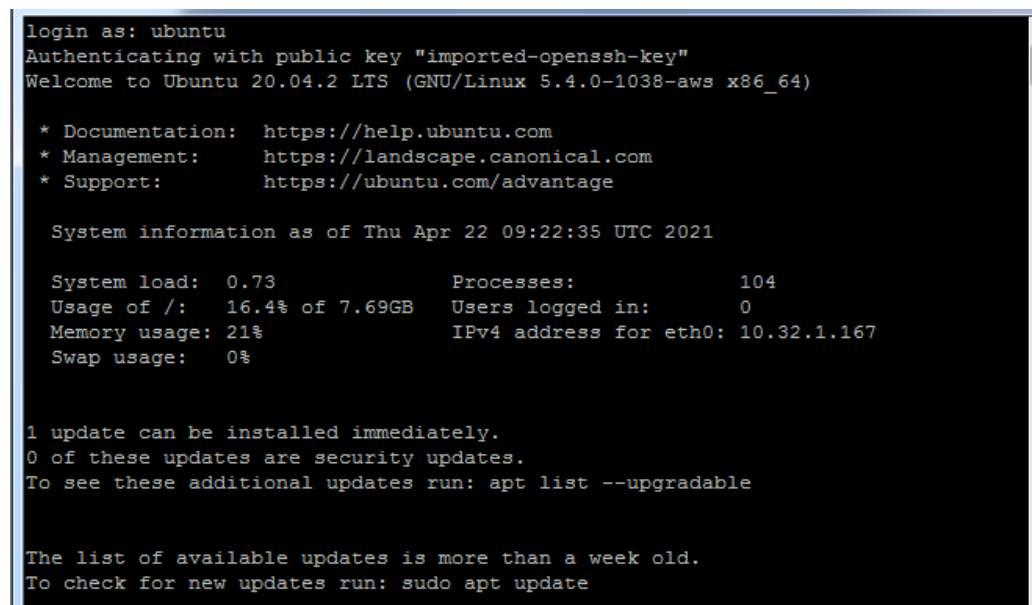
```
<?php  
phpinfo  
?>
```

Kemudian tekan *Ctrl* + *x*

14. Untuk mengetahui apakah php sudah berjalan maka ketikkan pada browser IP tambahkan “*test.php*” tekan enter, PHP sudah bias di akses



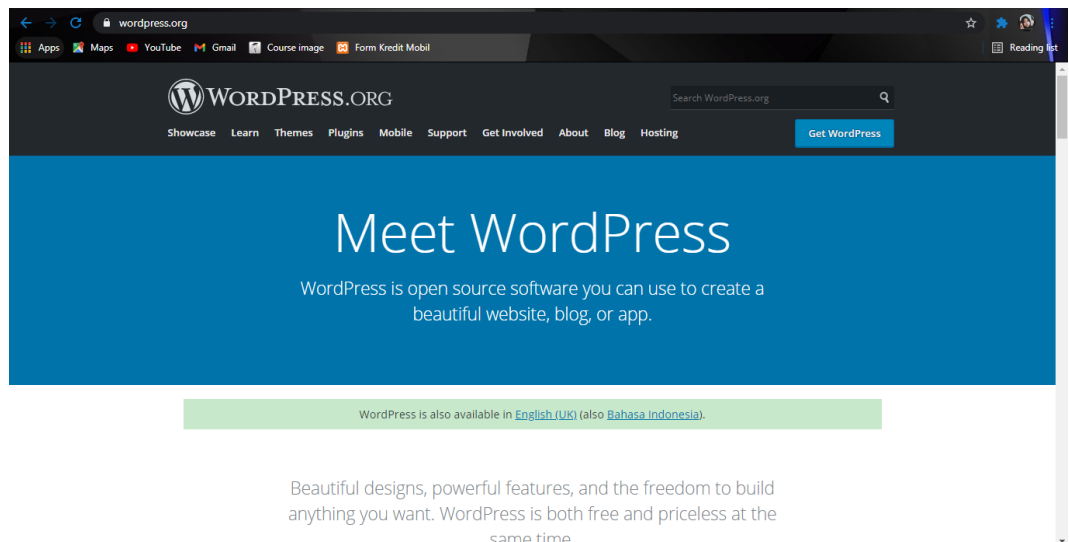
15. Kemudian login ke putty dengan menggunakan IP dari *Database*. Masukkan IP ke bagian *IP address*, setelah itu masukkan *keypairnya* lalu klik Open. Login PuTTY dengan IP Database Server



16. Ketik perintah “*sudo su*” untuk masuk ke mode root. Kemudian untuk instal `mysql` ketik perintah “*apt-get install mysql-server*”. Mysql sedang menginstall

```
ubuntu@ip-10-32-1-167:~$ sudo su
root@ip-10-32-1-167:/home/ubuntu# apt-get install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libencode-locale-perl libevent-core-2.1-7
  libevent-pthreads-2.1-7 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl
  libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl
  liblwp-mediatypes-perl libmecab2 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 libwww-perl mailx tinyca
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-pm-perl libencode-locale-perl libevent-core-2.1-7
  libevent-pthreads-2.1-7 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl
  libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl
  liblwp-mediatypes-perl libmecab2 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
0 upgraded, 25 newly installed, 0 to remove and 0 not upgraded.
Need to get 30.9 MB of archives.
After this operation, 250 MB of additional disk space will be used.
```

17. Untuk melakukan instalasi Wordpress maka masuk ke “*wordpress.org*”. Klik “*get wordpress*”.



18. Kemudian copy-kan link tersebut. Masukkan link wordpress tadi ke Ubuntu dengan perintah “*wget https://wordpress.org/latest.tar.gz*”



```

root@ip-10-32-0-217:/home/ubuntu# wget https://wordpress.org/latest.tar.gz
--2021-04-22 12:52:48-- 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: 15750352 (15M) [application/octet-stream]
Saving to: 'latest.tar.gz'

latest.tar.gz      100%[=====>]  15.02M  27.8MB/s   in 0.5s

2021-04-22 12:52:48 (27.8 MB/s) - 'latest.tar.gz' saved [15750352/15750352]

root@ip-10-32-0-217:/home/ubuntu#

```

19. Ketik perintah “tar -zxvf latest.tar.gz”

```

root@ip-10-32-0-217:/home/ubuntu
wordpress/wp-admin/js/custom-background.js
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
root@ip-10-32-0-217:/home/ubuntu#

```

20. Ketik perintah “ls”

```

root@ip-10-32-0-217:/home/ubuntu# ls
latest.tar.gz  wordpress
root@ip-10-32-0-217:/home/ubuntu#

```

21. Ketik perintah “mysql\_secure\_installation”

```

root@ip-10-32-0-217:/home/ubuntu# mysql_secure_installation

Command 'mysql_secure_installation' not found, but can be installed with:

apt install mysql-server-core-8.0 # version 8.0.23-0ubuntu0.20.04.1, or
apt install mariadb-server-10.3   # version 1:10.3.25-0ubuntu0.20.04.1

root@ip-10-32-0-217:/home/ubuntu#

```

22. Setting mysqlnya. Ketik “Yes”. Kemudian pilih “0”



```
root@ip-10-32-1-167: /home/ubuntu
root@ip-10-32-1-167:/home/ubuntu# 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: 0
Please set the password for root here.

New password: 
```

23. Tambahkan Password. Pilih "Yes". Pilih "Yes". Pilih "No". Pilih "Yes". Pilih "Yes"

```
root@ip-10-32-1-167: /home/ubuntu
New password:

Re-enter new password:

Estimated strength of the password: 50
Do you wish to continue with the password provided?(Press y|Y for Yes, any other
key for No) : y
By default, a MySQL installation has an anonymous user,
allowing anyone to log into MySQL without having to have
a user account created for them. This is intended only for
testing, and to make the installation go a bit smoother.
You should remove them before moving into a production
environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) : y
Success.

Normally, root should only be allowed to connect from
'localhost'. This ensures that someone cannot guess at
the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : n
```

```
root@ip-10-32-1-167: /home/ubuntu

... skipping.
By default, MySQL comes with a database named 'test' that
anyone can access. This is also intended only for testing,
and should be removed before moving into a production
environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No)
: y
- Dropping test database...
Success.

- Removing privileges on test database...
Success.

Reloading the privilege tables will ensure that all changes
made so far will take effect immediately.

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
Success.

All done!
root@ip-10-32-1-167:/home/ubuntu#
```

24. Masuk ke mysqlnya dengan mengetik perintah “mysql -u root -p

```
root@ip-10-32-1-167:/home/ubuntu# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.23-0ubuntu0.20.04.1 (Ubuntu)

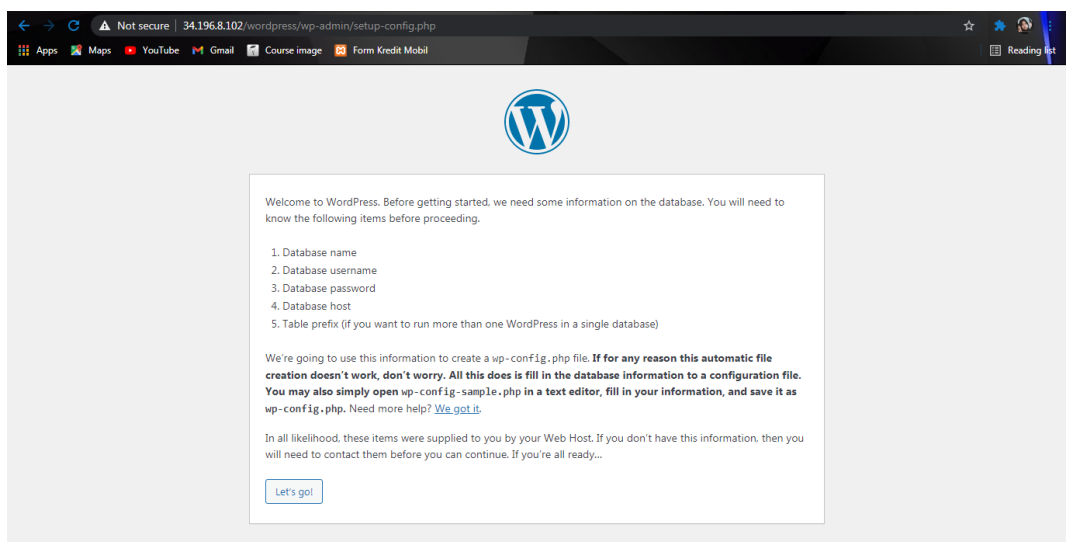
Copyright (c) 2000, 2021, Oracle and/or its affiliates.

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>
```

25. Masuk ke wordpress. Klik lets go



26. Kemudian buat databasenya dengan ketik perintah “create database wp;”

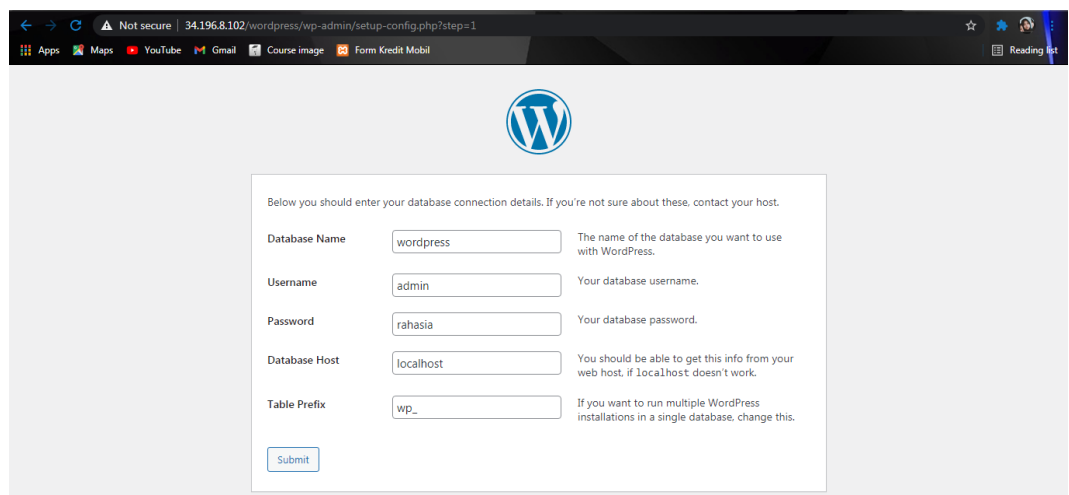
```
mysql> create database wp;  
Query OK, 1 row affected (0.01 sec)  
  
mysql>
```

27. Ketikkan perintah “show databases”

```
mysql> show databases;  
+-----+  
| Database |  
+-----+  
| information_schema |  
| mysql |  
| performance_schema |  
| sys |  
| wp |  
+-----+  
5 rows in set (0.01 sec)  
  
mysql>
```

28. Setelah itu masuk ke bagian wordpress

- a. Masukkan Database Namanya
- b. Username
- c. Password
- d. Database Host
- e. Table Prefix
- f. Submit

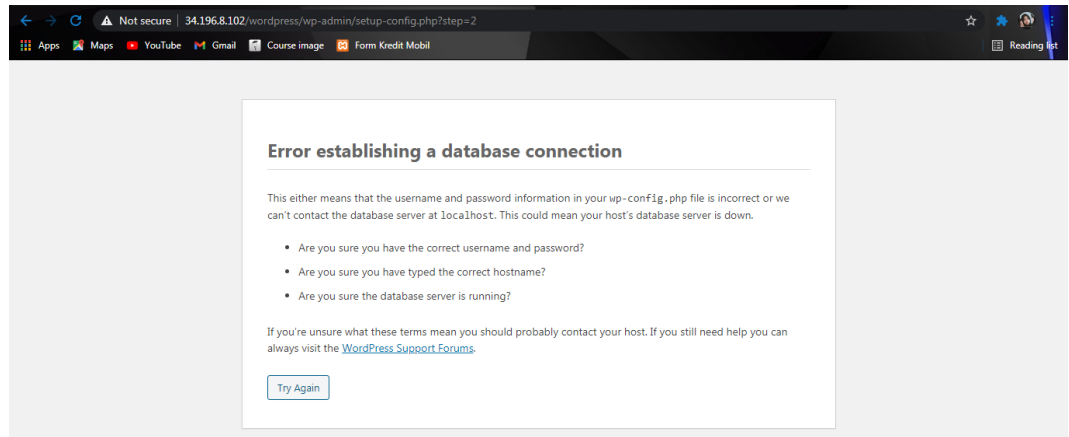


The screenshot shows a web browser window with the URL `34.196.8.102/wordpress/wp-admin/setup-config.php?step=1`. The page features the WordPress logo at the top. Below the logo, a text box contains the instruction: "Below you should enter your database connection details. If you're not sure about these, contact your host." The form includes five input fields with labels and descriptions:

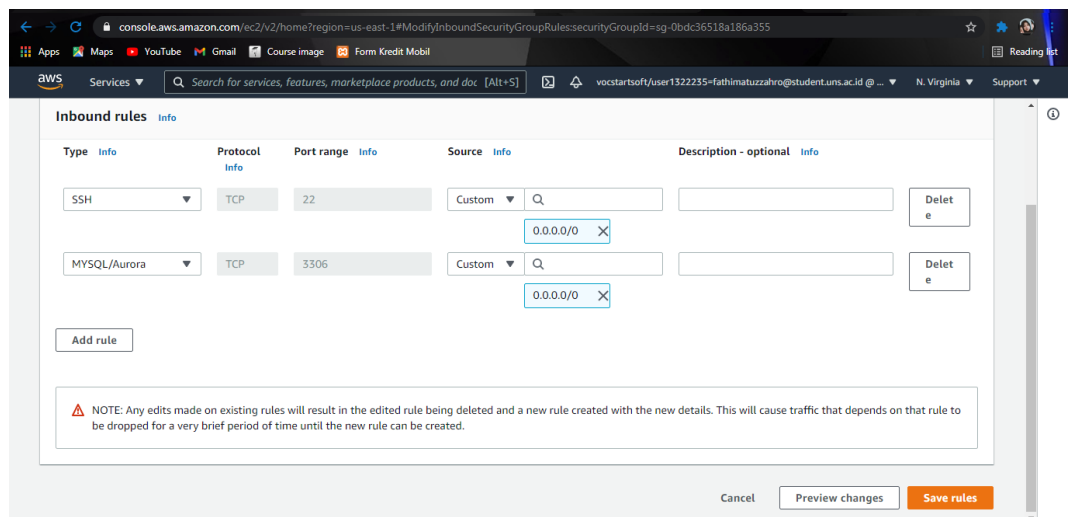
- Database Name:** `wordpress`. Description: "The name of the database you want to use with WordPress."
- Username:** `admin`. Description: "Your database username."
- Password:** `rahasia`. Description: "Your database password."
- Database Host:** `localhost`. Description: "You should be able to get this info from your web host. If localhost doesn't work."
- Table Prefix:** `wp_`. Description: "If you want to run multiple WordPress installations in a single database, change this."

A "Submit" button is located at the bottom left of the form.

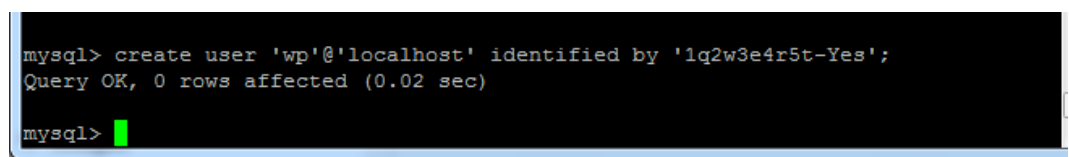
29. Terjadi error pada saat mengakses wordpress



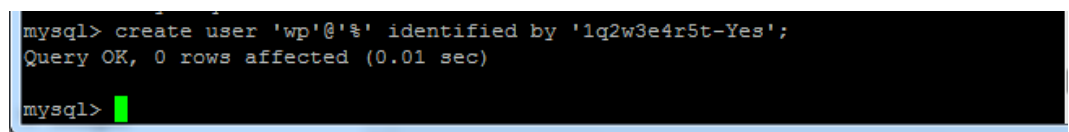
30. Tambahkan inbound Database menggunakan “MYQSL/AURORA” dengan klik instances untuk database > Security Group > Edit inbound rules > Add rules > Save rules



31. Kemudian tambahkan table dengan mengetik perintah *“create user ‘wp’@‘localhost’ identified by ‘1q2w3e4r5t-Yes’;*



32. Kemudian tambahkan table dengan mengetik perintah *“create user ‘wp’@‘%’ identified by ‘1q2w3e4r5t-Yes’;”*



33. Ketik perintah *grant all privileges on wp.\* To ‘wp’@‘localhost’;*

```
mysql> grant all privileges on wp.* To 'wp'@'localhost';
Query OK, 0 rows affected (0.01 sec)

mysql>
```

34. Ketik perintah `grant all privileges on wp.* To 'wp'@'%'`;

```
mysql> grant all privileges on wp.* To 'wp'@'%';
Query OK, 0 rows affected (0.00 sec)

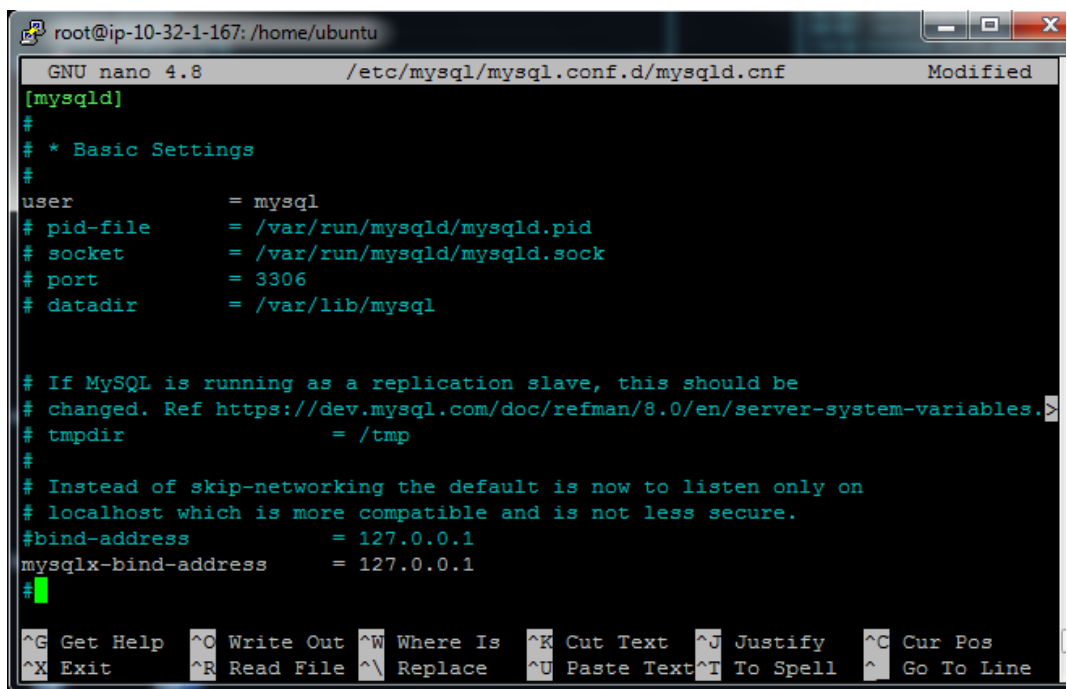
mysql>
```

35. Kemudian ketik perintah “quit”

```
mysql> quit
Bye
root@ip-10-32-1-167:/home/ubuntu#
```

36. Ketik perintah `“nano /etc/mysql/mysql.conf.d/mysqld.cnf”`. Yang `bind-address` ditambah jadi `#bind-address`

```
root@ip-10-32-1-167:/home/ubuntu# nano /etc/mysql/mysql.conf.d/mysqld.cnf
root@ip-10-32-1-167:/home/ubuntu#
```



```
GNU nano 4.8 /etc/mysql/mysql.conf.d/mysqld.cnf Modified
[mysqld]
#
# * Basic Settings
#
user                = mysql
# pid-file           = /var/run/mysqld/mysqld.pid
# socket             = /var/run/mysqld/mysqld.sock
# port               = 3306
# datadir            = /var/lib/mysql

# If MySQL is running as a replication slave, this should be
# changed. Ref https://dev.mysql.com/doc/refman/8.0/en/server-system-variables.
# tmpdir              = /tmp
#
# Instead of skip-networking the default is now to listen only on
# localhost which is more compatible and is not less secure.
#bind-address        = 127.0.0.1
mysqlx-bind-address  = 127.0.0.1
#
^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Paste Text ^T To Spell  ^_ Go To Line
```

37. Ketik perintah `“history”` pada Web server

```

root@ip-10-32-0-217:/home/ubuntu# history
 1  apt update
 2  apt-get install apache2
 3  systemctl status apache2
 4  apt-get install php libapache2-mod-php php-mysql
 5  systemctl restart apache2
 6  cd /var/www/html/
 7  ls
 8  nano test.php
 9  wget https://wordpress.org/latest.tar.gz
10  tar -zxvf latest.tar.gz
11  ls
12  mysql_secure_installation
13  systemctl restart apache2
14  cd wordpress/
15  cp wp-config-sample.php wp-config.php
16  nano wp-config.php
17  history
root@ip-10-32-0-217:/home/ubuntu#

```

38. Ketik perintah *"history"* pada Database

```

root@ip-10-32-1-167:/home/ubuntu# history
 1  apt-get install mysql-server
 2  mysql -u root -p
 3  nano /etc/mysql/mysql.conf.d/mysql.cnf
 4  nano /etc/mysql/mysql.conf.d/mysqld.cnf
 5  nano /etc/mysql/mysql.conf.d/mysqld.cnf
 6  history
root@ip-10-32-1-167:/home/ubuntu#

```

39. Ketik perintah *"systemctl status mysql"*

```

root@ip-10-32-1-167:/home/ubuntu# systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/lib/systemd/system/mysql.service; enabled; vendor preset:
   Active: active (running) since Fri 2021-04-23 03:44:39 UTC; 3h 8min ago
   Process: 428 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=ex
   Main PID: 530 (mysqld)
   Status: "Server is operational"
     Tasks: 38 (limit: 1160)
    Memory: 387.7M
    CGroup: /system.slice/mysql.service
            └─530 /usr/sbin/mysqld

Apr 23 03:44:34 ip-10-32-1-167 systemd[1]: Starting MySQL Community Server...
Apr 23 03:44:39 ip-10-32-1-167 systemd[1]: Started MySQL Community Server.
lines 1-13/13 (END)

```

40. Status mysql

```
root@ip-10-32-1-167: /home/ubuntu
root@ip-10-32-1-167:/home/ubuntu# apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security InRelease [109 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 Packages [8628 kB]
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe Translation-en [5124 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/universe amd64 c-n-f Metadata [265 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 Packages [144 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse Translation-en [104 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal/multiverse amd64 c-n-f Metadata [9136 B]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [947 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [216 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 c
```

41. Untuk masuk ke mysql ketik perintah “*mysql -u root -p*”

```
root@ip-10-32-1-167:/home/ubuntu# mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 9
Server version: 8.0.23-0ubuntu0.20.04.1 (Ubuntu)

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owners.

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

mysql>
```

42. Ketik perintah “*reboot*”. Kemudian login kembali ke Ubuntu



```
ubuntu@ip-10-32-1-167: ~
Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-1038-aws x86_64)

* Documentation:  https://help.ubuntu.com
* Management:    https://landscape.canonical.com
* Support:        https://ubuntu.com/advantage

System information as of Fri Apr 23 06:59:30 UTC 2021

System load:  0.65               Processes:            108
Usage of /:   27.5% of 7.69GB    Users logged in:     0
Memory usage: 53%               IPv4 address for eth0: 10.32.1.167
Swap usage:   0%

* Pure upstream Kubernetes 1.21, smallest, simplest cluster ops!

https://microk8s.io/

64 updates can be installed immediately.
30 of these updates are security updates.
To see these additional updates run: apt list --upgradable

Last login: Fri Apr 23 04:08:46 2021 from 103.23.224.162
ubuntu@ip-10-32-1-167:~$
```

43. Ketik perintah `“mysql -u root -p”`

```
ubuntu@ip-10-32-1-167:~$ mysql -u root -p
Enter password:
ERROR 1698 (28000): Access denied for user 'root'@'localhost'
ubuntu@ip-10-32-1-167:~$
```

44. Ketik Perintah `“mysql -u wp -p”`. Masukkan Password : 1q2w3e4r5t-Yes

```
ubuntu@ip-10-32-1-167:~$ mysql -u wp -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 8.0.23-0ubuntu0.20.04.1 (Ubuntu)

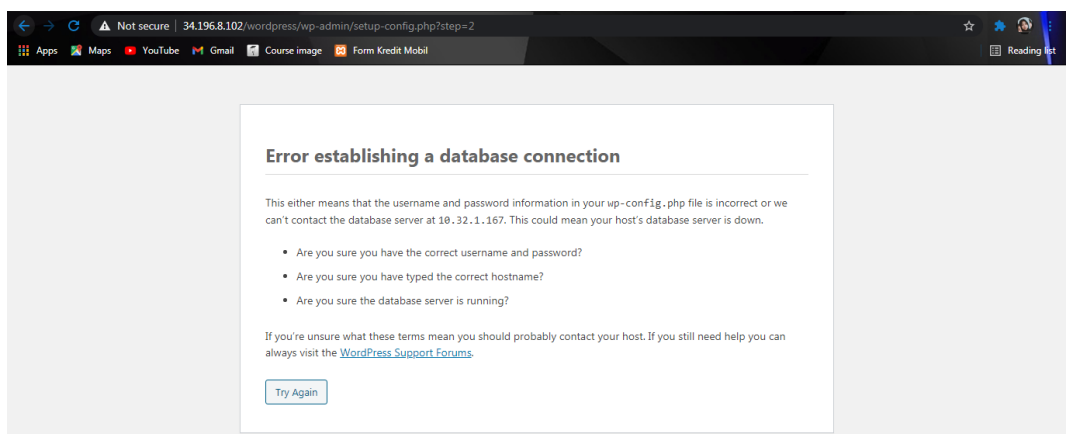
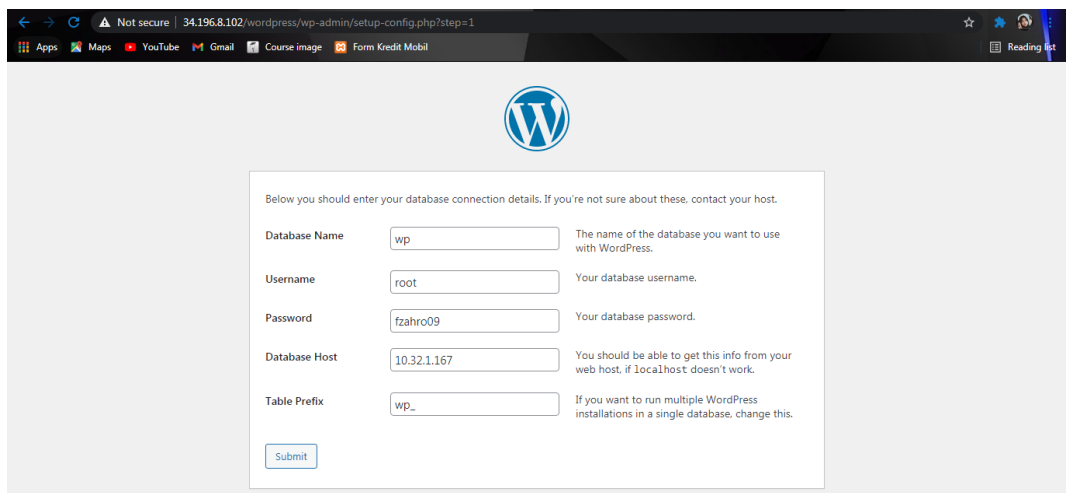
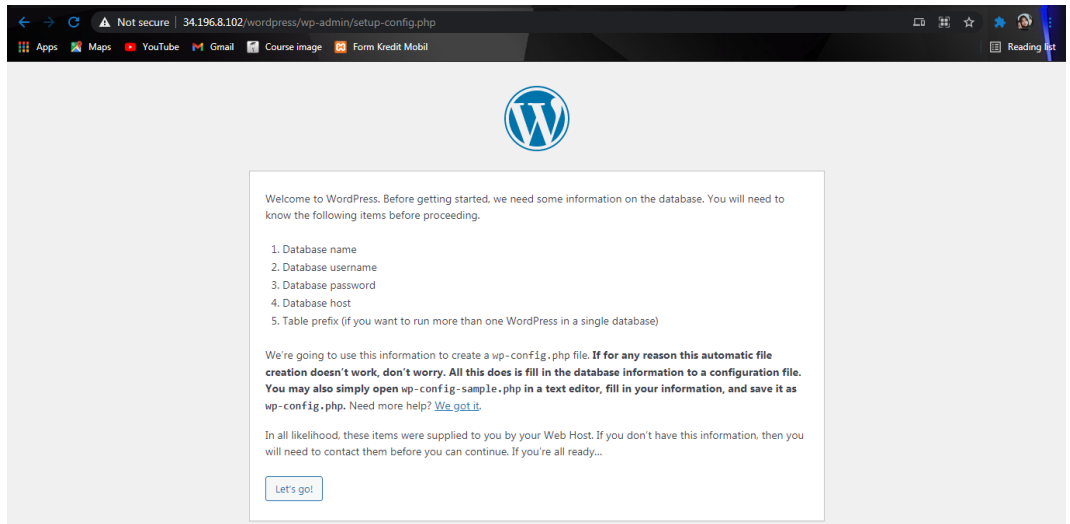
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owners.

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

mysql>
```

45. Akses kembali IP web server dengan mengetikkan  
`“http://34.196.8.102/wordpress/”`. Kemudian Klik *Let’s go!*



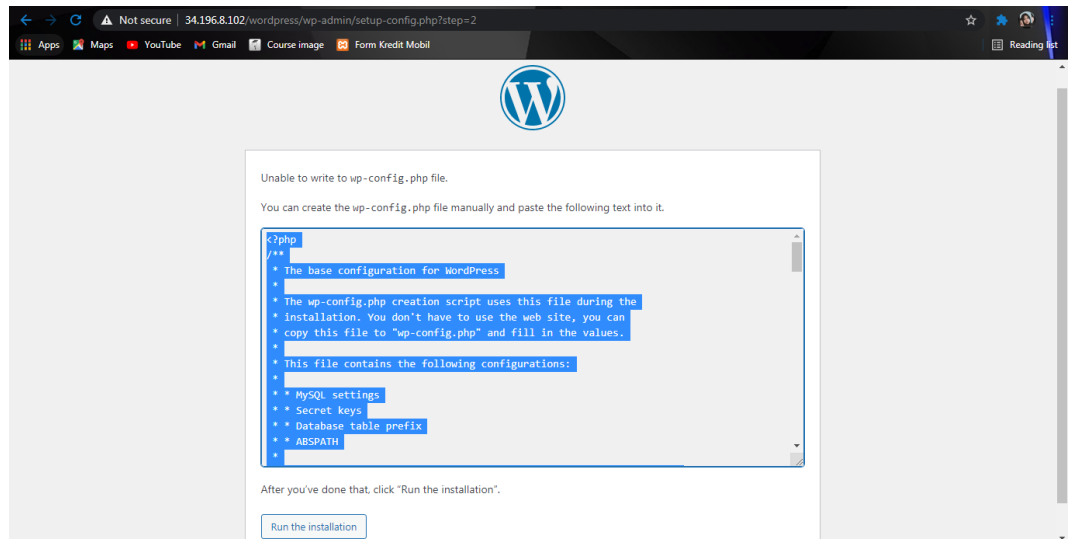
Untuk mengecek Database Host nya dengan mengetikkan “ip add” pada IP yang digunakan untuk Database

```

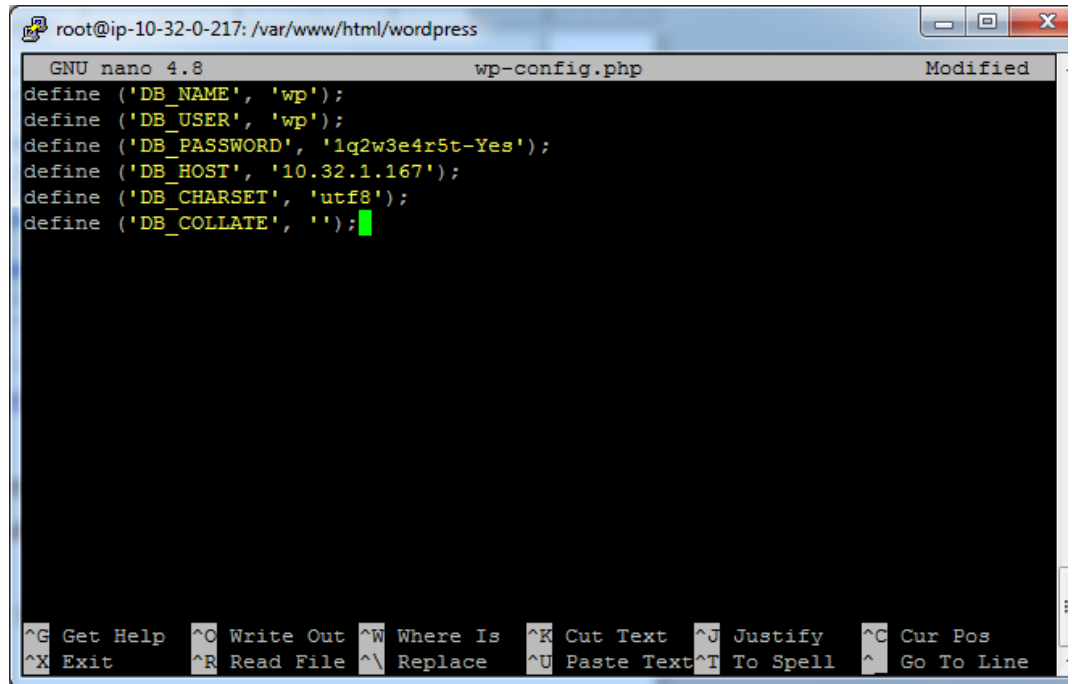
root@ip-10-32-1-167:/home/ubuntu# ip add
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 9001 qdisc fq_codel state UP group default qlen 1000
    link/ether 0e:d0:2e:4b:5d:fb brd ff:ff:ff:ff:ff:ff
    inet 10.32.1.167/24 brd 10.32.1.255 scope global dynamic eth0
        valid_lft 2067sec preferred_lft 2067sec
    inet6 fe80::cd0:2eff:fe4b:5dfb/64 scope link
        valid_lft forever preferred_lft forever
root@ip-10-32-1-167:/home/ubuntu#

```

Jika sudah muncul tampilan seperti gambar di bawah ini, itu berarti kita sudah bisa mengakses wordpress, akan tetapi belum bisa melakukan instalasi

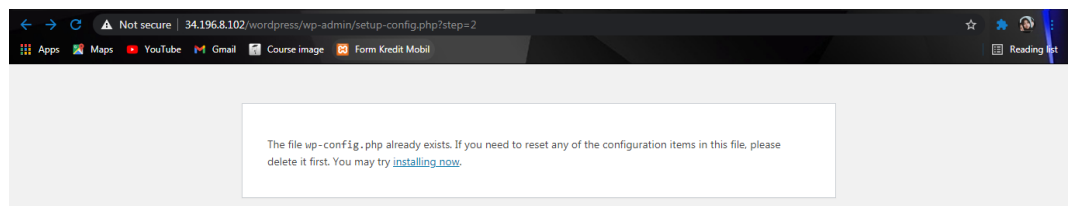


46. Ketik perintah `wget https://wordpress.org/latest.tar.gz`
47. Ketik perintah `cd wordpress/`. Ketik perintah `cp wp-config-sample.php wp-config.php`. Ketik perintah `nano wp-config.php`. ketikkan seperti gambar di bawah ini

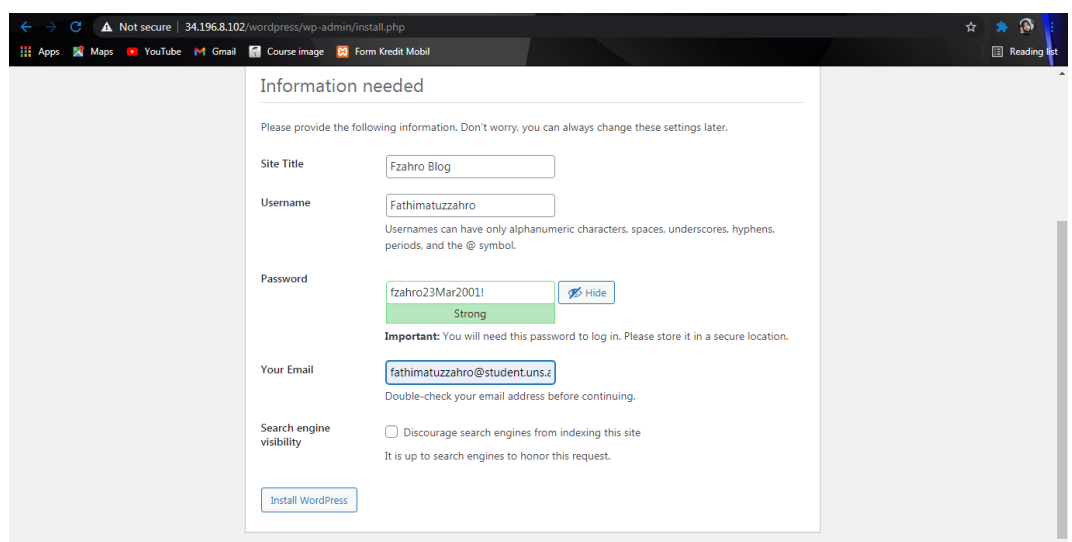


```
root@ip-10-32-0-217: /var/www/html/wordpress
GNU nano 4.8 wp-config.php Modified
define ('DB_NAME', 'wp');
define ('DB_USER', 'wp');
define ('DB_PASSWORD', '1q2w3e4r5t-Yes');
define ('DB_HOST', '10.32.1.167');
define ('DB_CHARSET', 'utf8');
define ('DB_COLLATE', '');
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos
^X Exit ^R Read File ^\ Replace ^U Paste Text ^T To Spell ^_ Go To Line
```

48. Kemudian akan di arahkan ke halaman Wordpress, setelah itu klik *“install wordpress”*



49. Login ke wordpress menggunakan Username dan Password yang telah di buat tadi



Information needed

Please provide the following information. Don't worry, you can always change these settings later.

Site Title: Fzahro Blog

Username: Fathimatuzzahro

Passwords can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password: fzahro23Mar2001! (Strong)

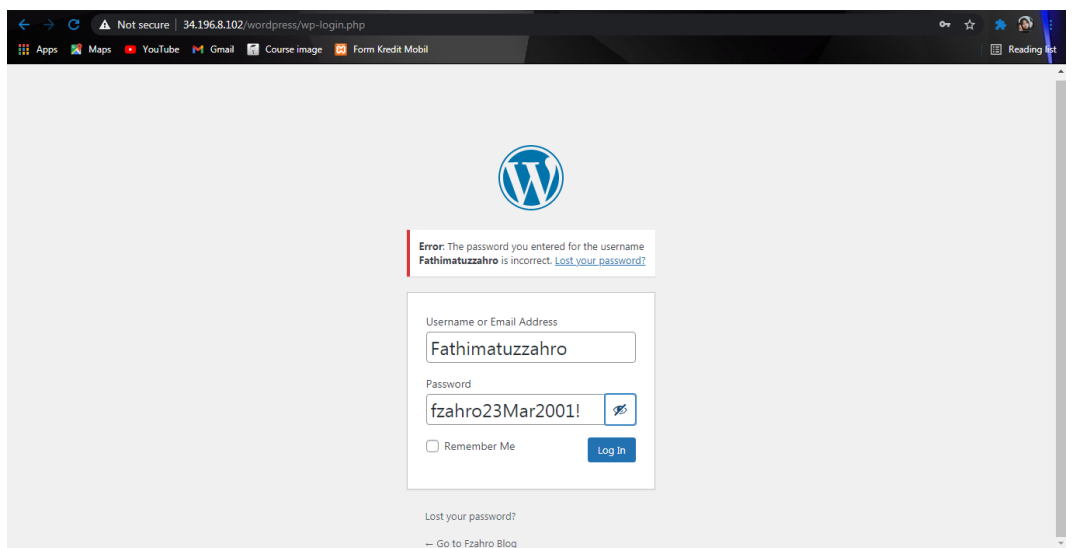
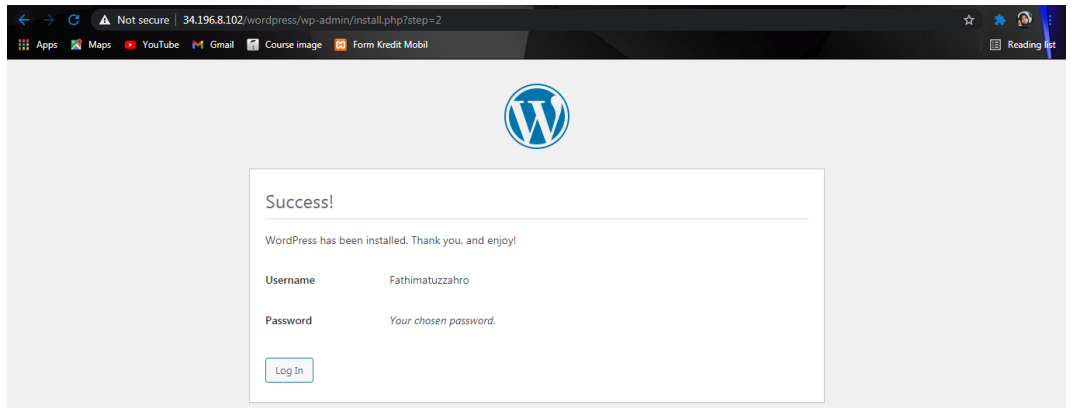
**Important:** You will need this password to log in. Please store it in a secure location.

Your Email: fathimatuzzahro@student.uns.ac.id

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



## 50. Halaman Wordpress yang sudah jadi

