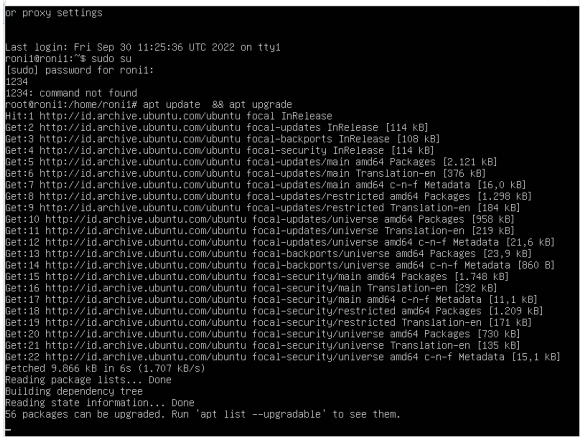
Laporan Pratikum

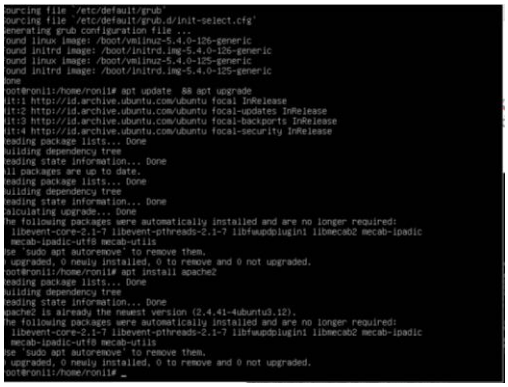
Membuat Website dan Database Menggunakan Ubuntu

Roni Pranata Tarigan
4332101042
RKS 3B PAGI

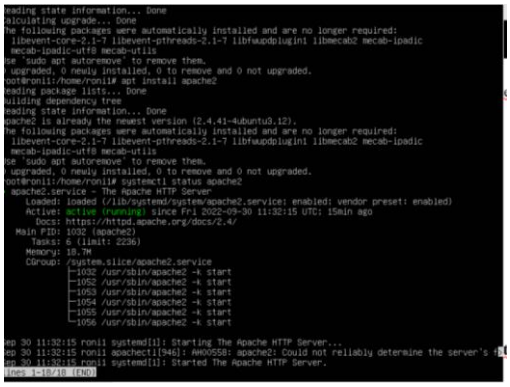
Langkah pertama kita masuk sebagai pengguna root ke sistem dan perbarui sistem dengan cara **apt update && apt upgrade**



Setelah itu kita lanjut menginstal Apache dengan cara **apt install apache2**



Setelah itu kita cek status dengan **systemctl status apache2**

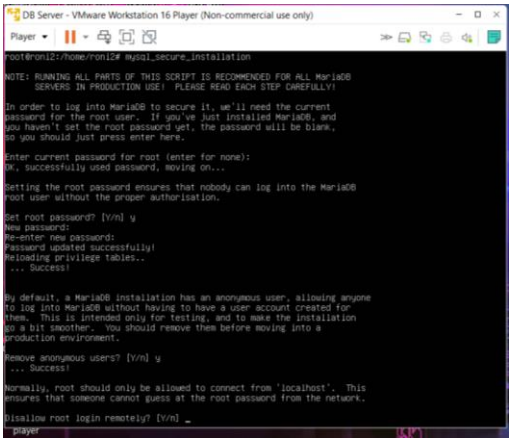


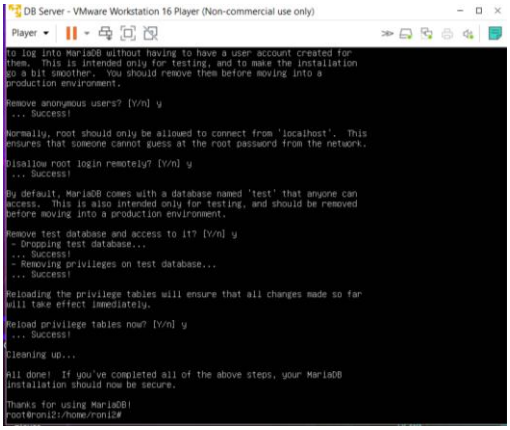
Langkah kedua kita akan menginstal mesin database MariaDB untuk menyimpan file

Wordpress kita dengan cara **apt install mariadb-server mariadb-client**

```
Reading package lists... Done
Building dependency tree
Reading state information... Done
mariadb-client is already the newest version (1:10.3.34-0ubuntu0.20.04.1).
mariadb-server is already the newest version (1:10.3.34-0ubuntu0.20.04.1).
The following packages were automatically installed and are no longer required:
  libevent-core-2.1-7 libevent-pthreads-2.1-7 libfwupdplugin1 libmecab2 mecab-ipadic
  mecab-ipadic-utf8 mecab-utils
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@roni1:/home/roni1# apt install mariadb-server mariadb-client
Reading package lists... Done
Building dependency tree
Reading state information... Done
mariadb-client is already the newest version (1:10.3.34-0ubuntu0.20.04.1).
mariadb-server is already the newest version (1:10.3.34-0ubuntu0.20.04.1).
The following packages were automatically installed and are no longer required:
  libevent-core-2.1-7 libevent-pthreads-2.1-7 libfwupdplugin1 libmecab2 mecab-ipadic
  mecab-ipadic-utf8 mecab-utils
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@roni1:/home/roni1#
```

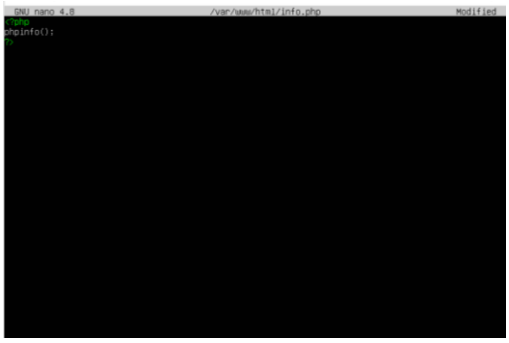
Langkah ketiga kita akan menginstal PHP dengan cara **apt install php php-mysql**



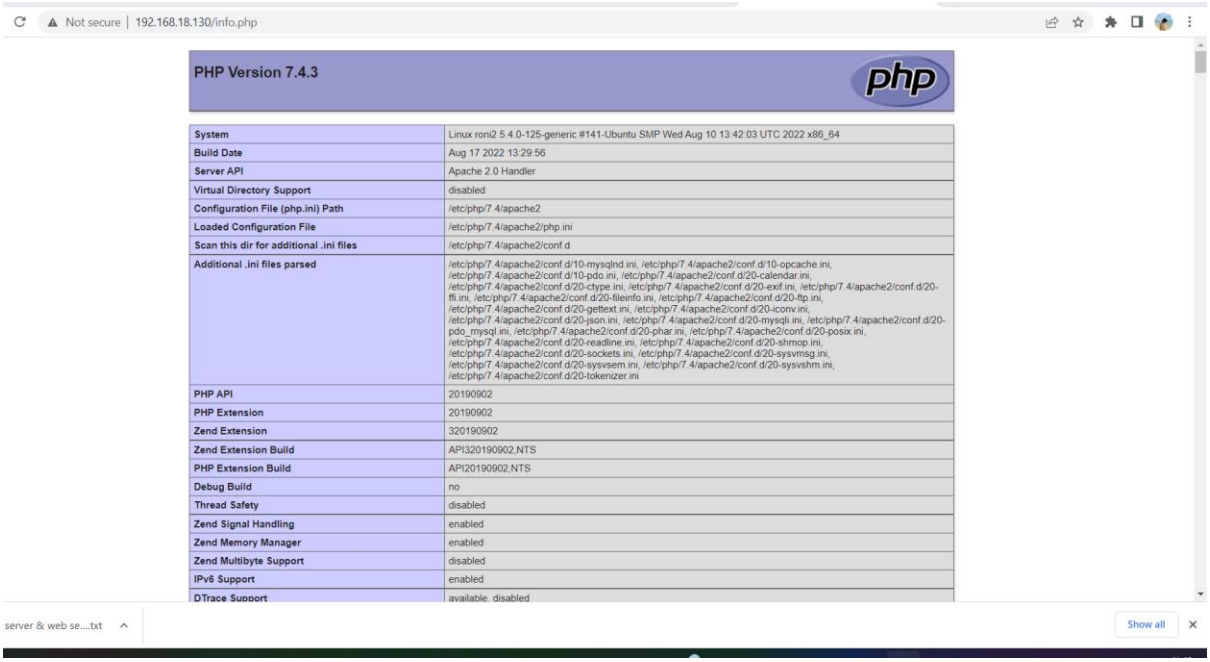


Untuk mengonfirmasi bahwa PHP telah diinstal **vim /var/www/html/info.php**

Lakukan Command seperti gambar dibawah ini dan setelah itu jangan lupa disimpan.



Buka browser Ip/info.php dan akan muncul seperti berikut



Langkah berikutnya Membuat Data Base Wordpress

masuk ke database MariaDB kami sebagai root

- mysql -u root –p

  Buat database untuk instalasi WordPress
- CREATE DATABASE wordpress_db;

Selanjutnya, buat pengguna database untuk pengaturan WordPress

- CREATE USER 'wp_user'@'localhost' IDENTIFIED BY 'password';
- GRANT ALL ON wordpress_db.* TO 'wp_user'@'localhost' IDENTIFIED BY 'password';
- FLUSH PRIVILEGES;

  Exit;

```
root@roni2:/home/roni2# mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 44
Server version: 10.3.34-MariaDB-0ubuntu0.20.04.1 Ubuntu 20.04

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)]>
```

```
MariaDB [(none)]> CREATE DATABASE wordpress_db;
Query OK, 1 row affected (0.000 sec)

MariaDB [(none)]> CREATE USER 'wp_user'@'localhost' IDENTIFIED BY 'password';
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]> GRANT ALL ON wordpress_db.* TO 'wp_user'@'localhost' IDENTIFIED BY 'password';
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> exit;
```

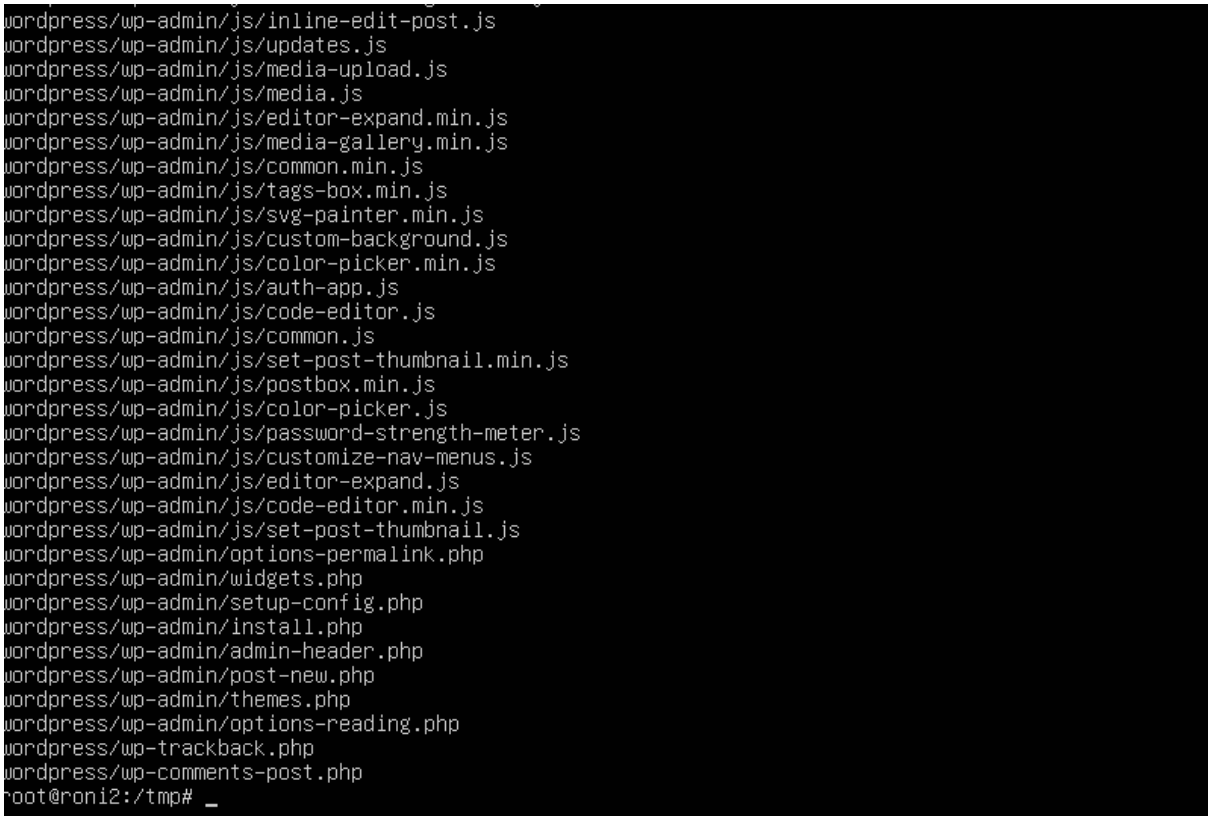
Langkah selanjutya Instal WordPress CMS

Buka direktori temp Anda dan unduh File WordPress terbaru

cd /tmp && wget https://wordpress.org/latest.tar.gz

```
root@roni2:/home/roni2# cd /tmp && wget https://wordpress.org/latest.tar.gz
--2022-10-01 04:53:38--  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: 21172479 (20M) [application/octet-stream]
Saving to: ‘latest.tar.gz’

latest.tar.gz            81%[==========================>       ]  16.55M  1.87MB/s    eta 2s
```

player


wordpress/wp-admin/js/inline-edit-post.js
wordpress/wp-admin/js/updates.js
wordpress/wp-admin/js/media-upload.js
wordpress/wp-admin/js/media.js
wordpress/wp-admin/js/editor-expand.min.js
wordpress/wp-admin/js/media-gallery.min.js
wordpress/wp-admin/js/common.min.js
wordpress/wp-admin/js/tags-box.min.js
wordpress/wp-admin/js/svg-painter.min.js
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@roni2:/tmp# _

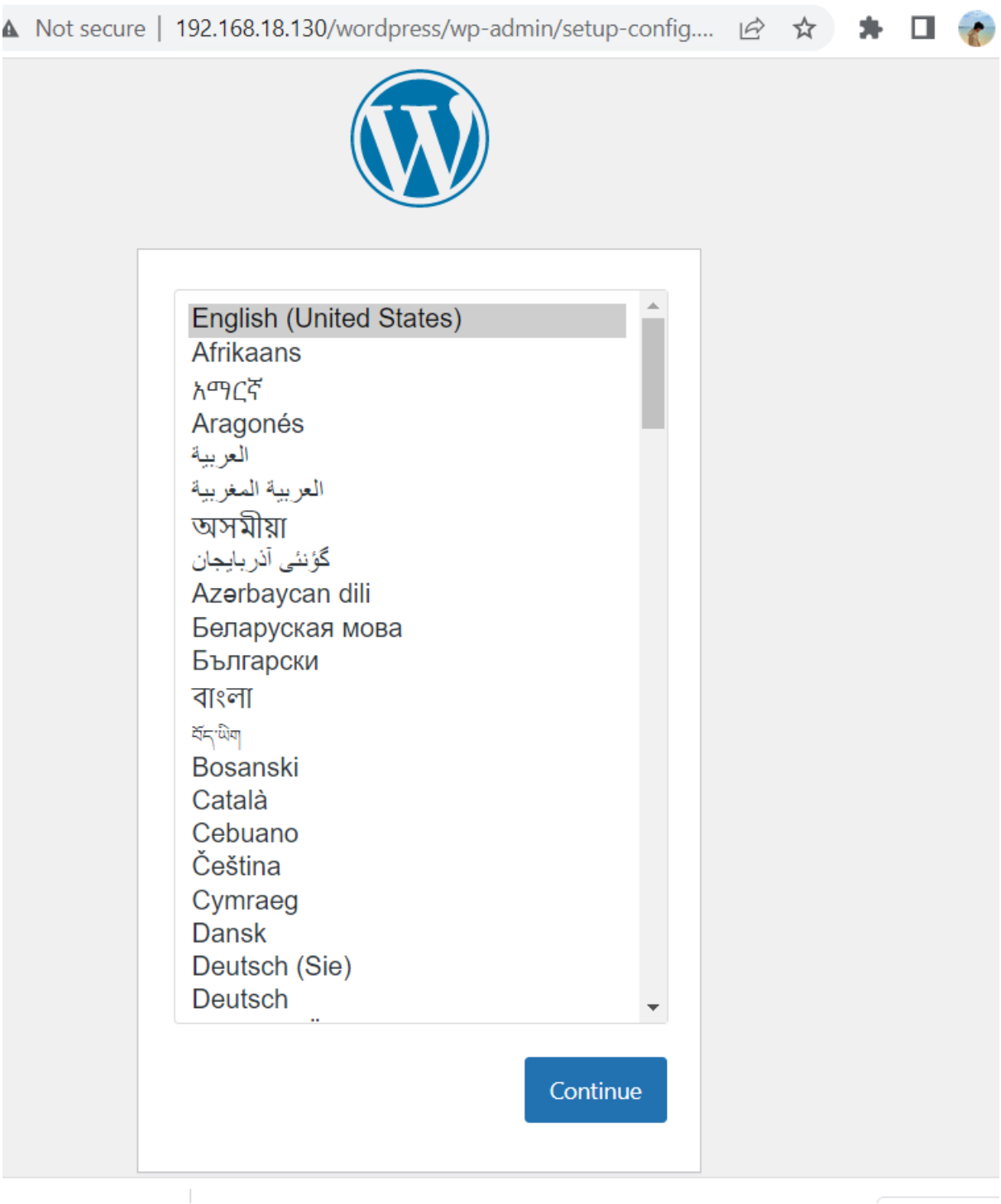
cp -R wordpress /var/www/html/

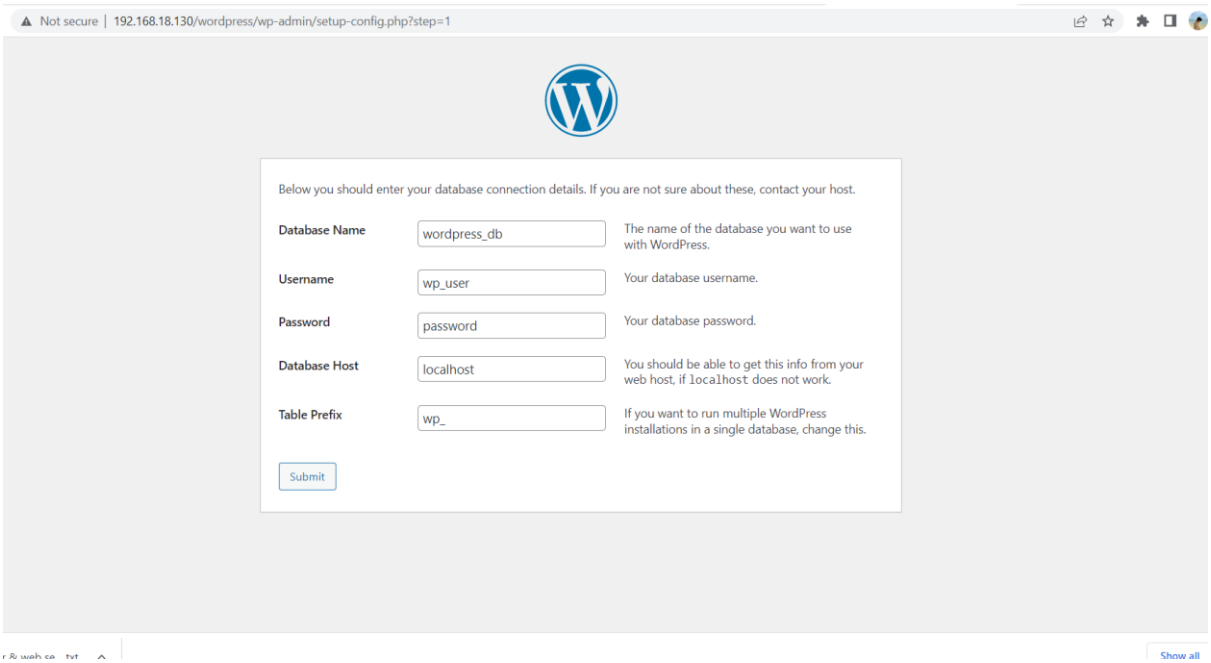
chmod -R 755 /var/www/html/wordpress/

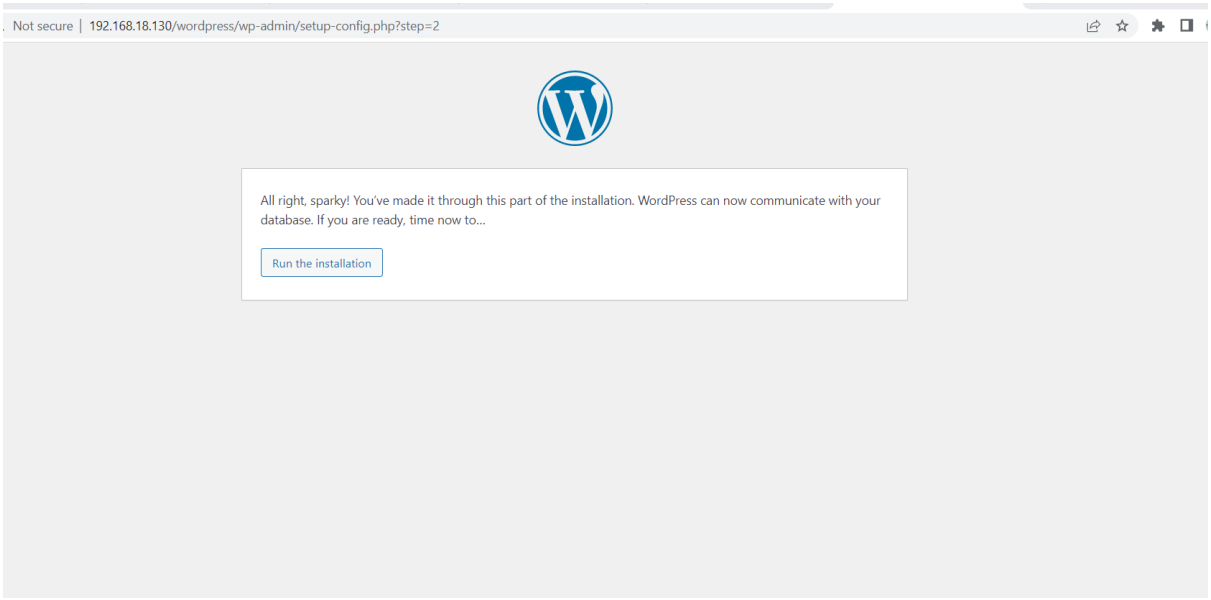
chown -R www-data:www-data /var/www/html/wordpress/wp-content/uploads/

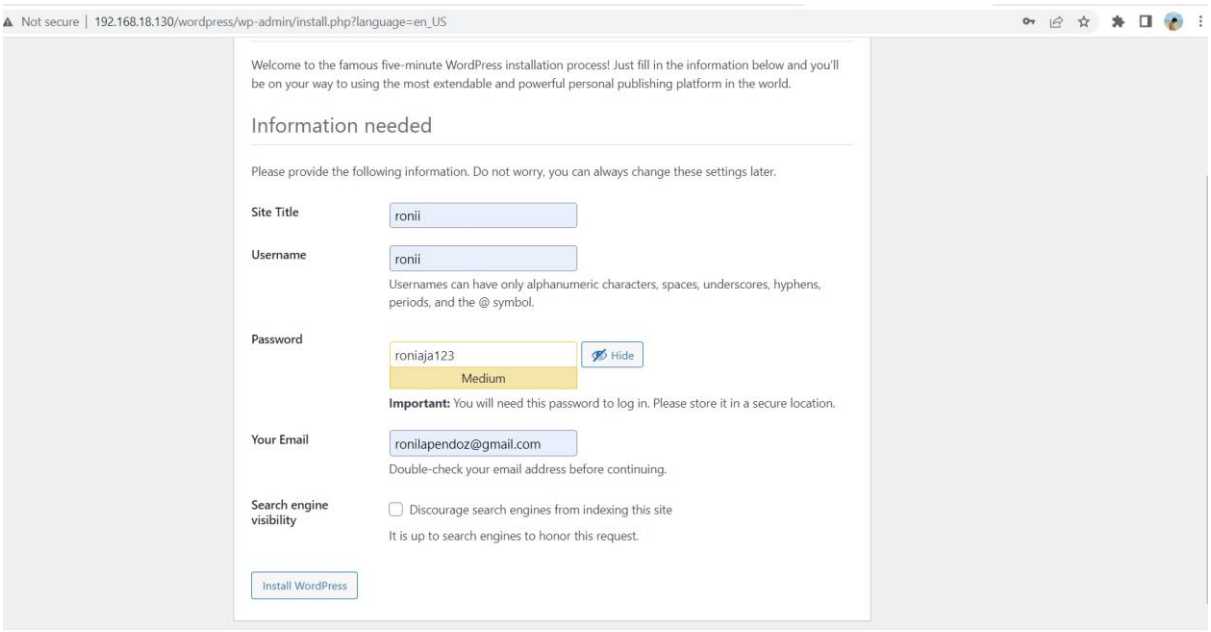
https://server-ip/wordpress

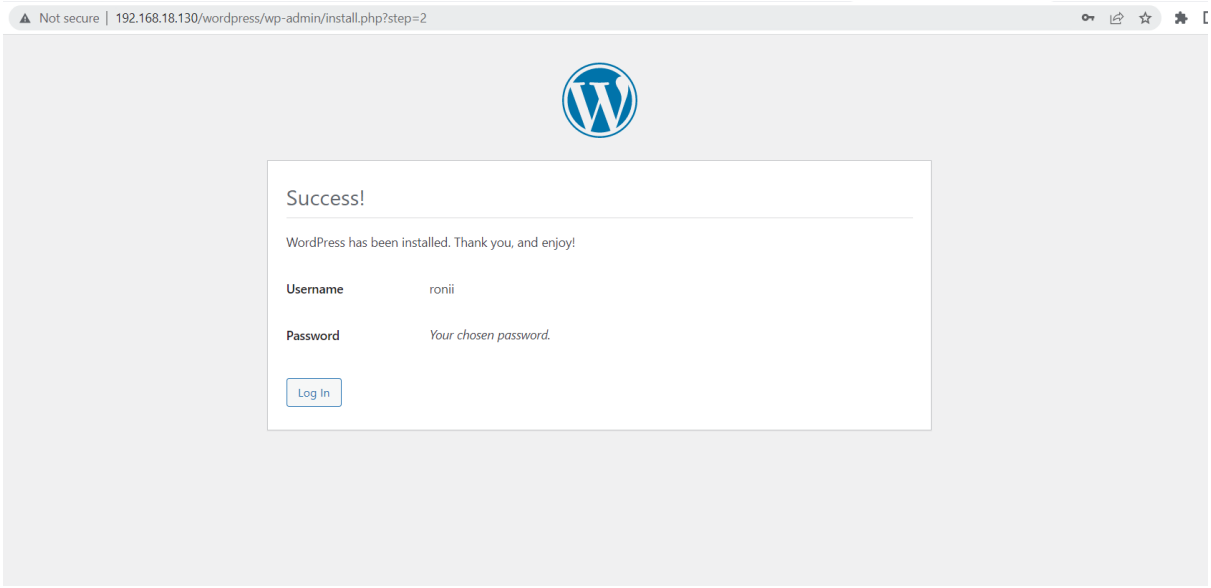
```
root@roni2:/tmp# cp -R wordpress /var/www/html/
root@roni2:/tmp# chown -R www-data:www-data /var/www/html/wordpress/
root@roni2:/tmp# chmod -R 755 /var/www/html/wordpress/
root@roni2:/tmp# mkdir /var/www/html/wordpress/wp-content/uploads
root@roni2:/tmp# chown -R www-data:www-data /var/www/html/wordpress/wp-content/uploads
root@roni2:/tmp# _
```

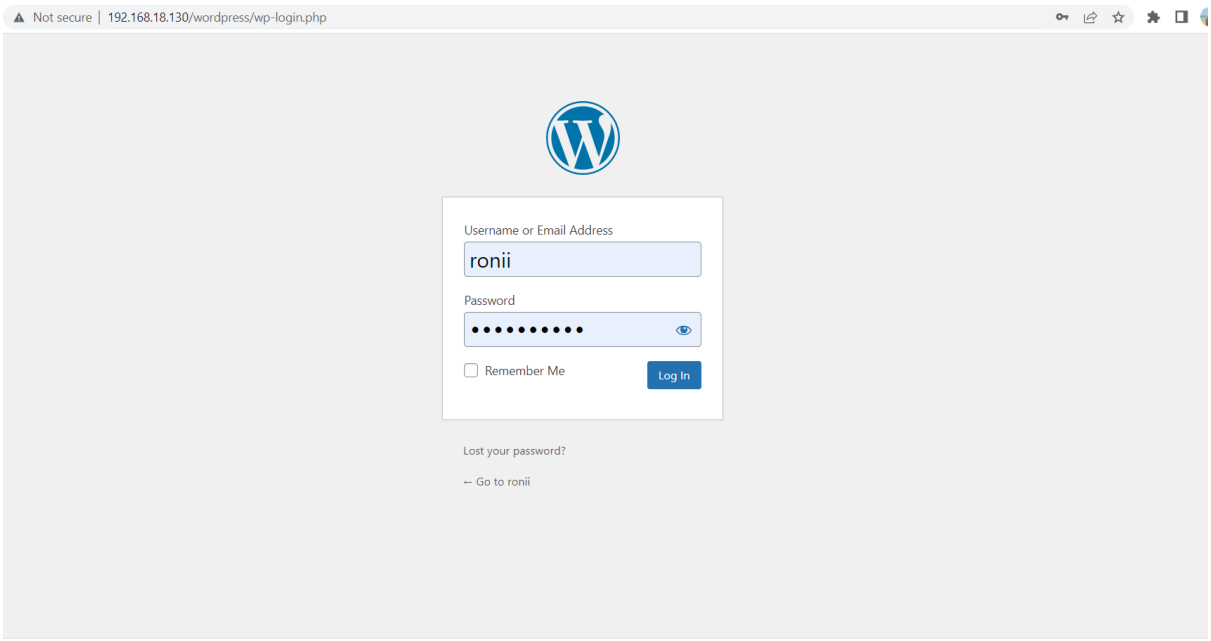

Not secure | 192.168.18.130/wordpress/wp-admin/setup-config....
English (United States)
Afrikaans
አማርኛ
Aragonés
العربية
العربية المغربية
অসমীয়া
گؤنئی آذربایجان
Azərbaycan dili
Беларуская мова
Български
বাংলা
བོད་ཡིག
Bosanski
Català
Cebuano
Čeština
Cymraeg
Dansk
Deutsch (Sie)
Deutsch
Continue

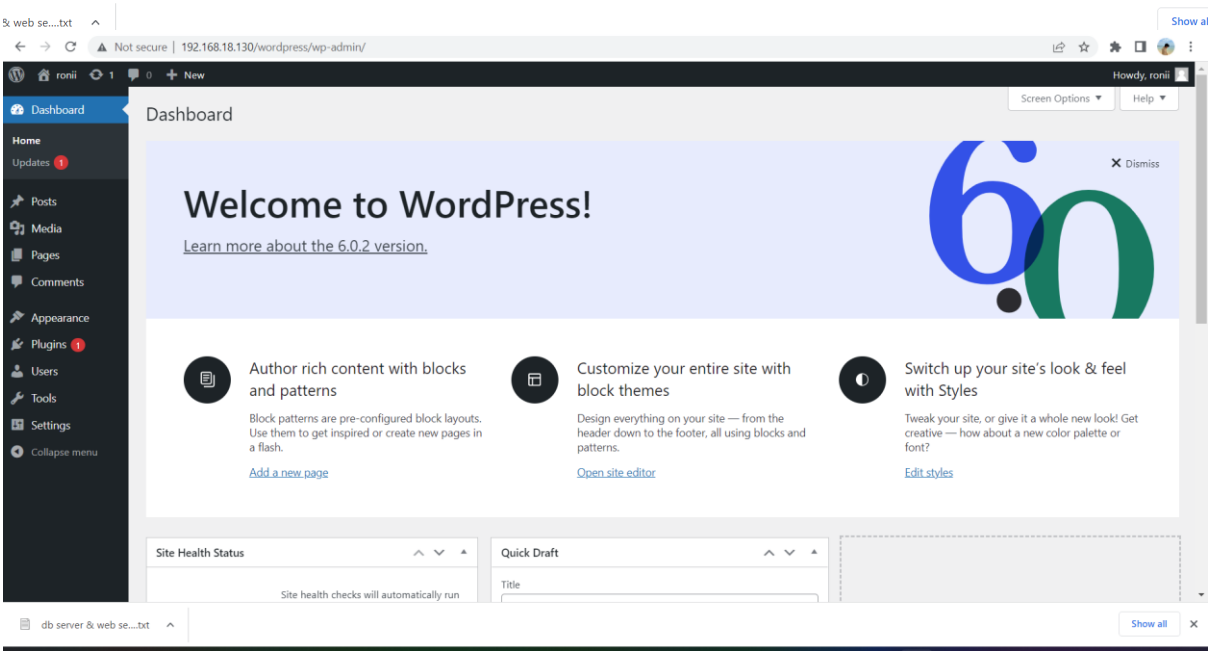

Not secure | 192.168.18.130/wordpress/wp-admin/setup-config.php?step=1
Below you should enter your database connection details. If you are not sure about these, contact your host.
Database Name
wordpress_db
The name of the database you want to use with WordPress.
Username
wp_user
Your database username.
Password
password
Your database password.
Database Host
localhost
You should be able to get this info from your web host, if localhost does not work.
Table Prefix
wp_
If you want to run multiple WordPress installations in a single database, change this.
Submit

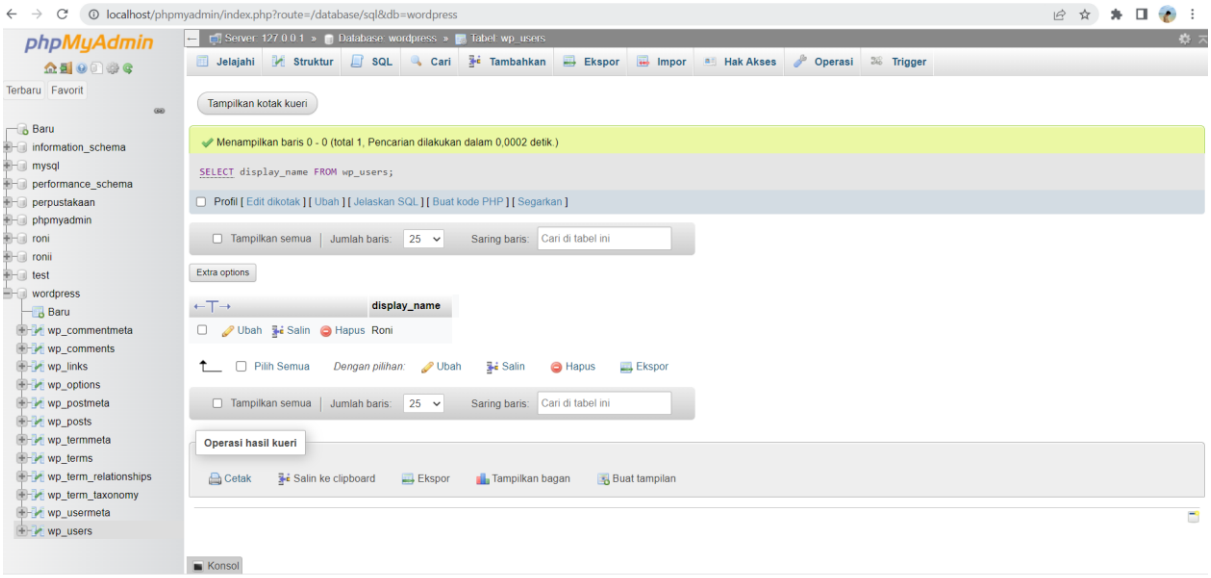

Not secure | 192.168.18.130/wordpress/wp-admin/setup-config.php?step=2
All right, sparky! You've made it through this part of the installation. WordPress can now communicate with your database. If you are ready, time now to...
Run the installation

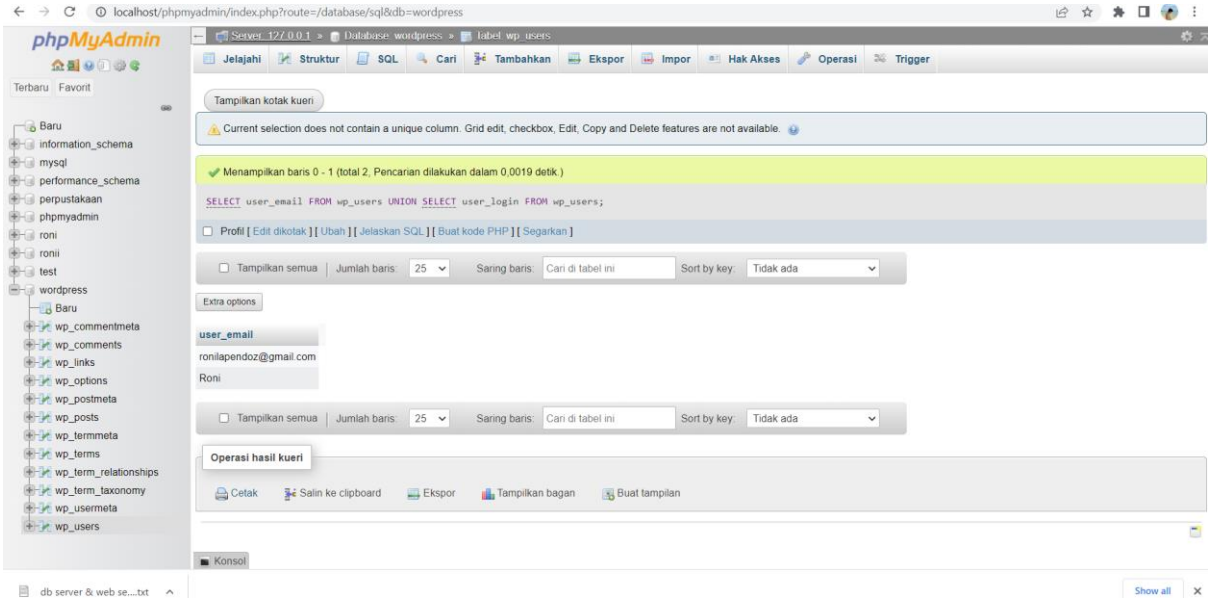

Not secure | 192.168.18.130/wordpress/wp-admin/install.php?language=en_US
Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.
Information needed
Please provide the following information. Do not worry, you can always change these settings later.
Site Title
ronii
Username
ronii
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password
roniaja123
Hide
Medium
Important: You will need this password to log in. Please store it in a secure location.
Your Email
ronilapendoz@gmail.com
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

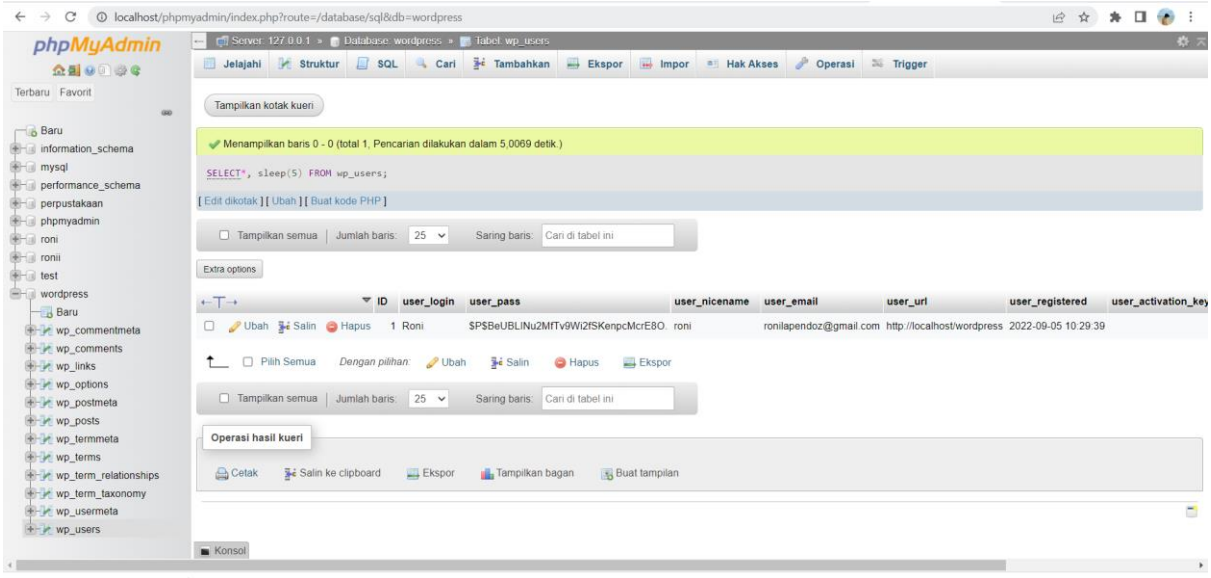

Not secure | 192.168.18.130/wordpress/wp-admin/install.php?step=2
Success!
WordPress has been installed. Thank you, and enjoy!
Username
ronii
Password
Your chosen password.
Log In

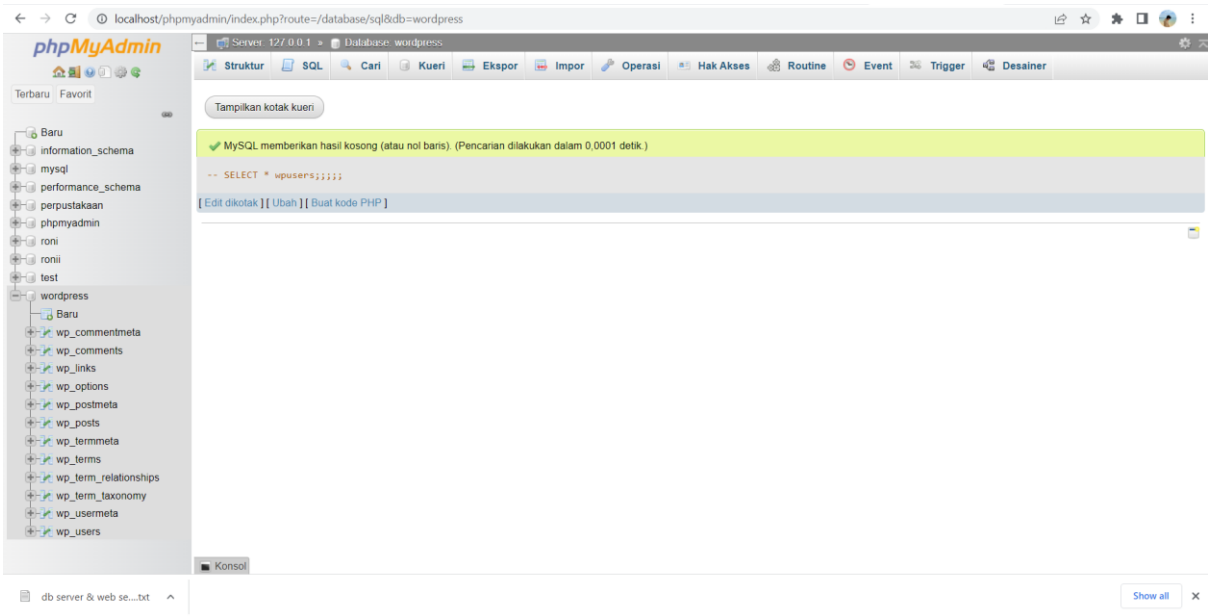

Not secure | 192.168.18.130/wordpress/wp-login.php
Username or Email Address
ronii
Password
Remember Me
Log In
Lost your password?
← Go to ronii


Not secure | 192.168.18.130/wordpress/wp-admin/
Howdy, ronii
Dashboard
Home
Updates
Posts
Media
Pages
Comments
Appearance
Plugins
Users
Tools
Settings
Collapse menu
Screen Options
Help
Welcome to WordPress!
Learn more about the 6.0.2 version.
Dismiss
Author rich content with blocks and patterns
Block patterns are pre-configured block layouts. Use them to get inspired or create new pages in a flash.
Add a new page
Customize your entire site with block themes
Design everything on your site — from the header down to the footer, all using blocks and patterns.
Open site editor
Switch up your site's look & feel with Styles
Tweak your site, or give it a whole new look! Get creative — how about a new color palette or font?
Edit styles
Site Health Status
Site health checks will automatically run
Quick Draft
Title
db server & web se....txt
Show all


localhost/phpmyadmin/index.php?route=/database/sql&db=wordpress
phpMyAdmin
Server: 127.0.0.1 » Database: wordpress » Tabel: wp_users
Jelajahi Struktur SQL Cari Tambahkan Ekspor Impor Hak Akses Operasi Trigger
Terbaru Favorit
Baru
information_schema
mysql
performance_schema
perpustakaan
phpmyadmin
roni
ronii
test
wordpress
Baru
wp_commentmeta
wp_comments
wp_links
wp_options
wp_postmeta
wp_posts
wp_termmeta
wp_terms
wp_term_relationships
wp_term_taxonomy
wp_usermeta
wp_users
Tampilkan kotak kueri
Menampilkan baris 0 - 0 (total 1, Pencarian dilakukan dalam 0,0002 detik.)
SELECT display_name FROM wp_users;
Profil [Edit dikotak] [Ubah] [Jelaskan SQL] [Buat kode PHP] [Segarkan]
Tampilkan semua | Jumlah baris: 25 Saring baris: Cari di tabel ini
Extra options
display_name
Ubah Salin Hapus Roni
Pilih Semua Dengan pilihan: Ubah Salin Hapus Ekspor
Tampilkan semua | Jumlah baris: 25 Saring baris: Cari di tabel ini
Operasi hasil kueri
Cetak Salin ke clipboard Ekspor Tampilkan bagan Buat tampilan
Konsol


localhost/phpmyadmin/index.php?route=/database/sql&db=wordpress
phpMyAdmin
Server: 127.0.0.1 » Database: wordpress » Tabel: wp_users
Jelajahi Struktur SQL Cari Tambahkan Ekspor Impor Hak Akses Operasi Trigger
Terbaru Favorit
Baru
information_schema
mysql
performance_schema
perpustakaan
phpmyadmin
roni
ronii
test
wordpress
Baru
wp_commentmeta
wp_comments
wp_links
wp_options
wp_postmeta
wp_posts
wp_termmeta
wp_terms
wp_term_relationships
wp_term_taxonomy
wp_usermeta
wp_users
Tampilkan kotak kueri
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Menampilkan baris 0 - 1 (total 2, Pencarian dilakukan dalam 0,0019 detik.)
SELECT user_email FROM wp_users UNION SELECT user_login FROM wp_users;
Profil [Edit dikotak] [Ubah] [Jelaskan SQL] [Buat kode PHP] [Segarkan]
Tampilkan semua | Jumlah baris: 25 Saring baris: Cari di tabel ini Sort by key: Tidak ada
Extra options
user_email
ronilapendoz@gmail.com
Roni
Tampilkan semua | Jumlah baris: 25 Saring baris: Cari di tabel ini Sort by key: Tidak ada
Operasi hasil kueri
Cetak Salin ke clipboard Ekspor Tampilkan bagan Buat tampilan
Konsol
db server & web se....txt
Show all


localhost/phpmyadmin/index.php?route=/database/sql&db=wordpress
phpMyAdmin
Server: 127.0.0.1 » Database: wordpress » Tabel: wp_users
Jelajahi Struktur SQL Cari Tambahkan Ekspor Impor Hak Akses Operasi Trigger
Terbaru Favorit
Baru
information_schema
mysql
performance_schema
perpustakaan
phpmyadmin
roni
ronii
test
wordpress
Baru
wp_commentmeta
wp_comments
wp_links
wp_options
wp_postmeta
wp_posts
wp_termmeta
wp_terms
wp_term_relationships
wp_term_taxonomy
wp_usermeta
wp_users
Tampilkan kotak kueri
Menampilkan baris 0 - 0 (total 1, Pencarian dilakukan dalam 5,0069 detik.)
SELECT*, sleep(5) FROM wp_users;
[Edit dikotak] [Ubah] [Buat kode PHP]
Tampilkan semua | Jumlah baris: 25 Saring baris: Cari di tabel ini
Extra options
ID user_login user_pass user_nicename user_email user_url user_registered user_activation_key
Ubah Salin Hapus 1 Roni PBeUBLlNu2MfTv9Wi2fSKenpcMcrE8O. roni ronilapendoz@gmail.com http://localhost/wordpress 2022-09-05 10:29:39
Pilih Semua Dengan pilihan: Ubah Salin Hapus Ekspor
Tampilkan semua | Jumlah baris: 25 Saring baris: Cari di tabel ini
Operasi hasil kueri
Cetak Salin ke clipboard Ekspor Tampilkan bagan Buat tampilan
Konsol

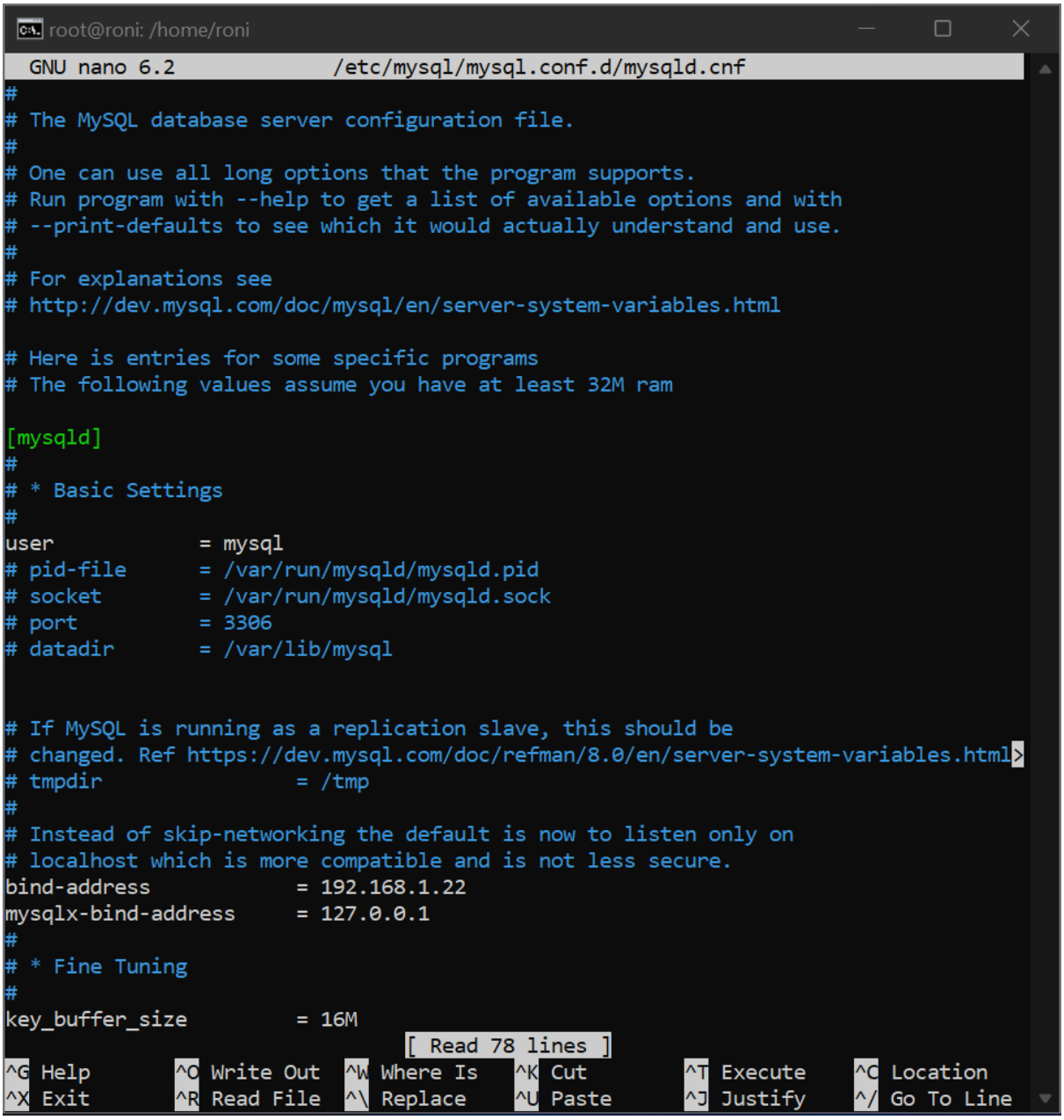

localhost/phpmyadmin/index.php?route=/database/sql&db=wordpress
phpMyAdmin
Terbaru
Favorit
Baru
information_schema
mysql
performance_schema
perpustakaan
phpmyadmin
roni
ronii
test
wordpress
Baru
wp_commentmeta
wp_comments
wp_links
wp_options
wp_postmeta
wp_posts
wp_termmeta
wp_terms
wp_term_relationships
wp_term_taxonomy
wp_usermeta
wp_users
Server: 127.0.0.1 » Database: wordpress
Struktur
SQL
Cari
Kueri
Ekspor
Impor
Operasi
Hak Akses
Routine
Event
Trigger
Desainer
Tampilkan kotak kueri
MySQL memberikan hasil kosong (atau nol baris). (Pencarian dilakukan dalam 0,0001 detik.)
-- SELECT * wpusers;;;;;
[Edit dikotak] [Ubah] [Buat kode PHP]
Konsol
db server & web se....txt
Show all

Membuat Website Wordpress Dengan Database Terpisah (3 Website)

sudo su
apt install mysql-server

```
roni@roni:~$ sudo su
[sudo] password for roni:
root@roni:/home/roni# apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libcgi-fast-perl libcgi-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 tinyca
The following NEW packages will be installed:
  libcgi-fast-perl libcgi-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
0 upgraded, 28 newly installed, 0 to remove and 40 not upgraded.
Need to get 29.3 MB of archives.
After this operation, 242 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

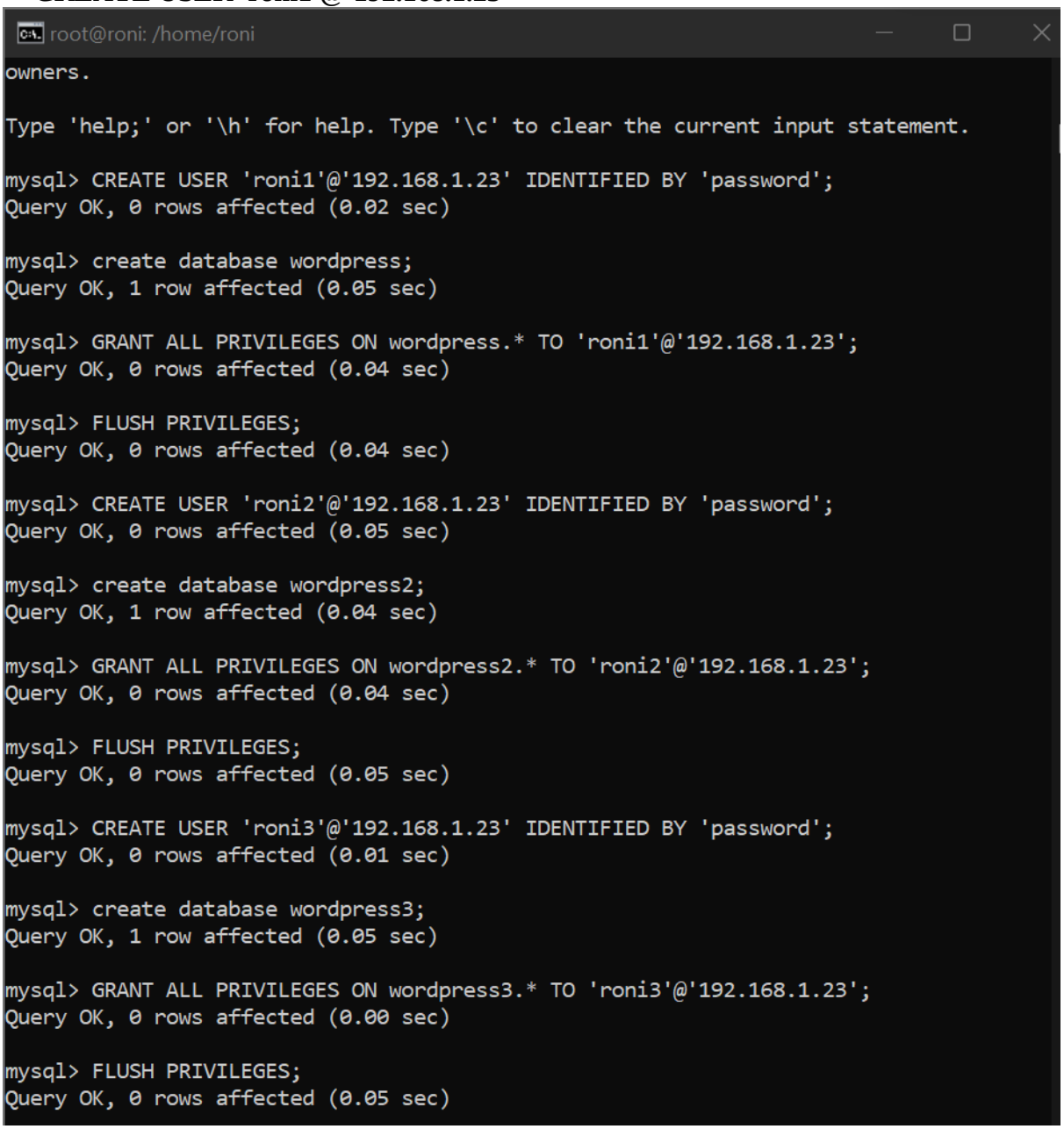
ubah bind-address menjadi ip database : 192.168.1.22



nano /etc/mysql/mysql.conf.d/mysqld.cnf

```
mysql> exit;
Bye
root@roni:/home/roni# nano /etc/mysql/mysql.conf.d/mysqld.cnf
root@roni:/home/roni# systemctl restart mysql
root@roni:/home/roni#
```

CREATE USER 'roni1'@'192.168.1.23'

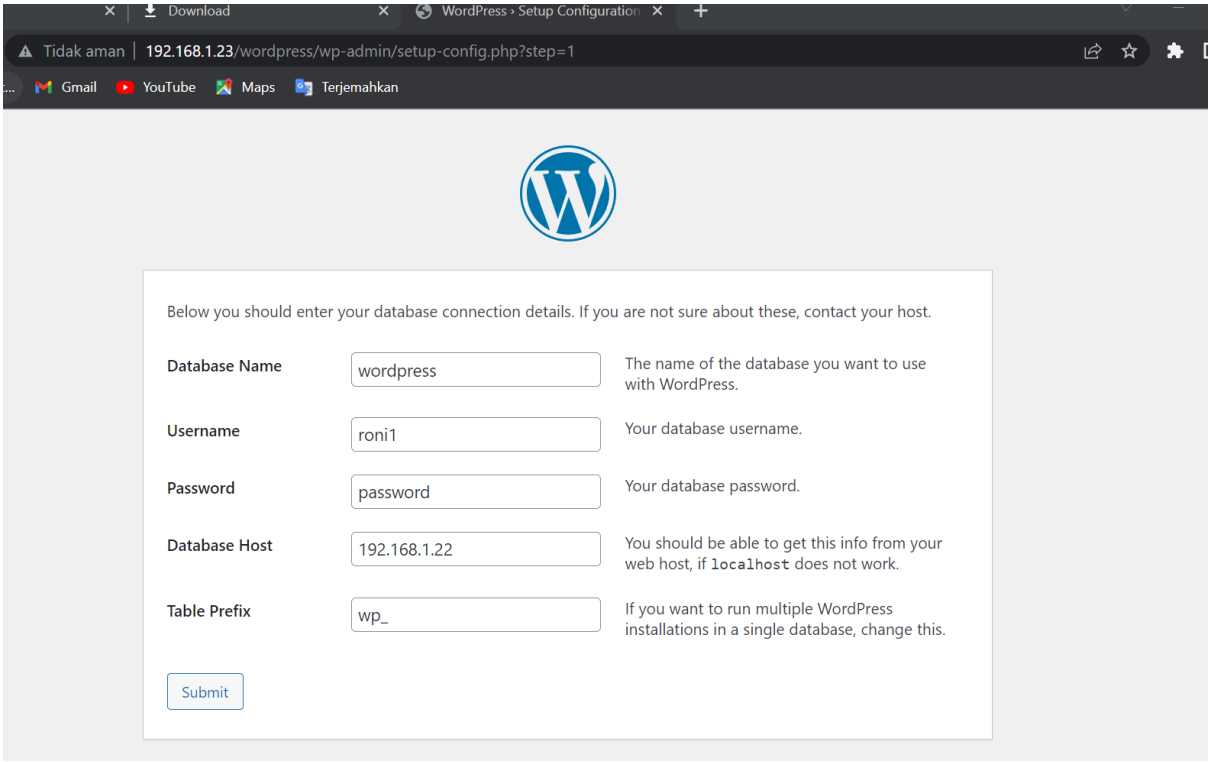


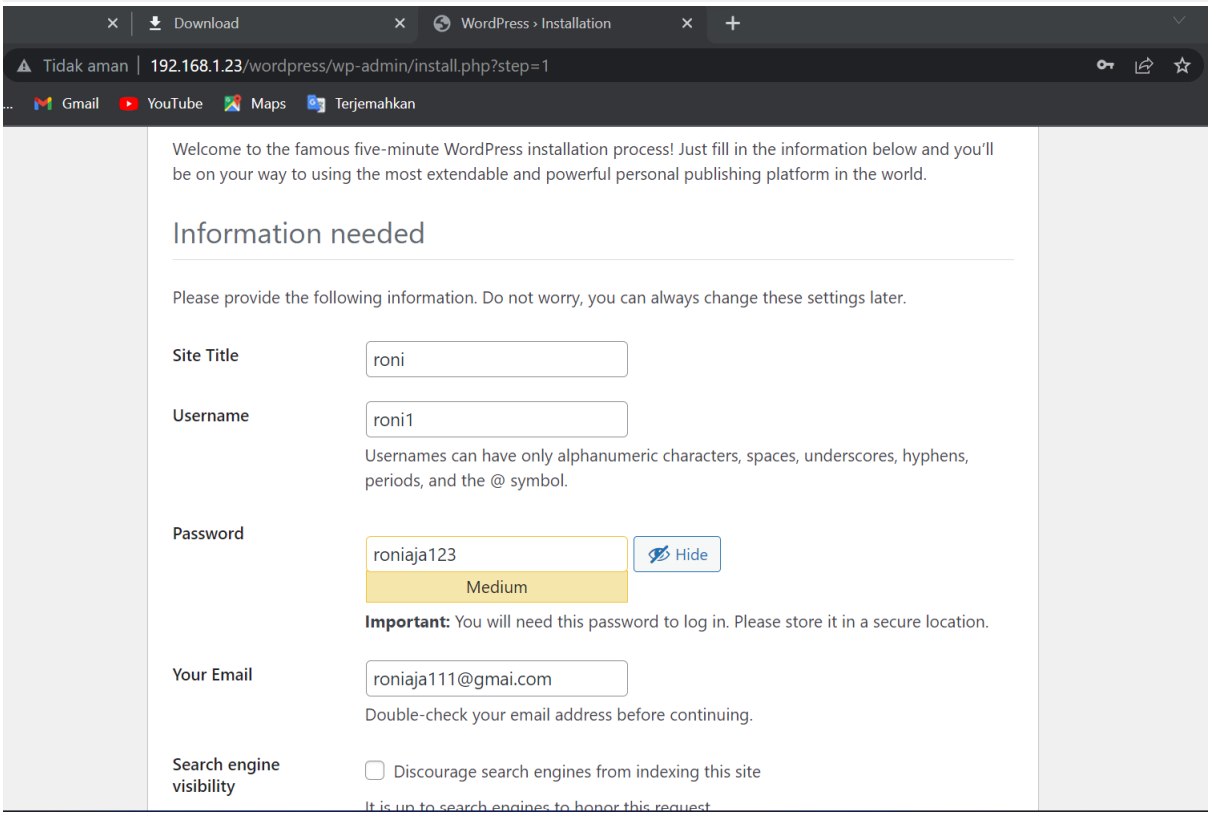
Dan seteleh itu kita masuk keserver ubuntu kita
sudo su
apt install apache2

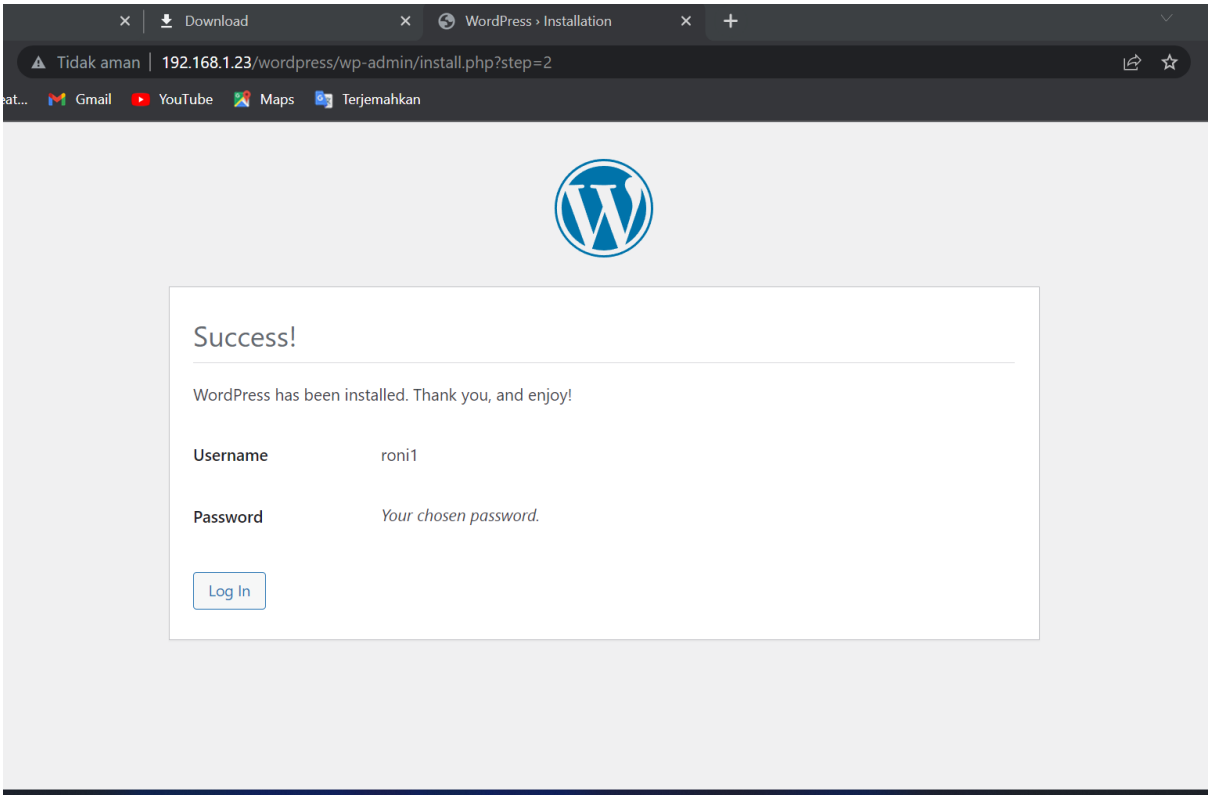
```
roni@roni:/$ sudo su
root@roni:/# apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-1ubuntu4.1).
0 upgraded, 0 newly installed, 0 to remove and 40 not upgraded.
root@roni:/# apt install mysql-client
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
mysql-client is already the newest version (8.0.30-0ubuntu0.22.04.1).
0 upgraded, 0 newly installed, 0 to remove and 40 not upgraded.
root@roni:/# apt install php php-mysql
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
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 40 not upgraded.
root@roni:/#
```

Reboot, lalu login ulang ssh dengan perinah ssh roni@ip.webserver

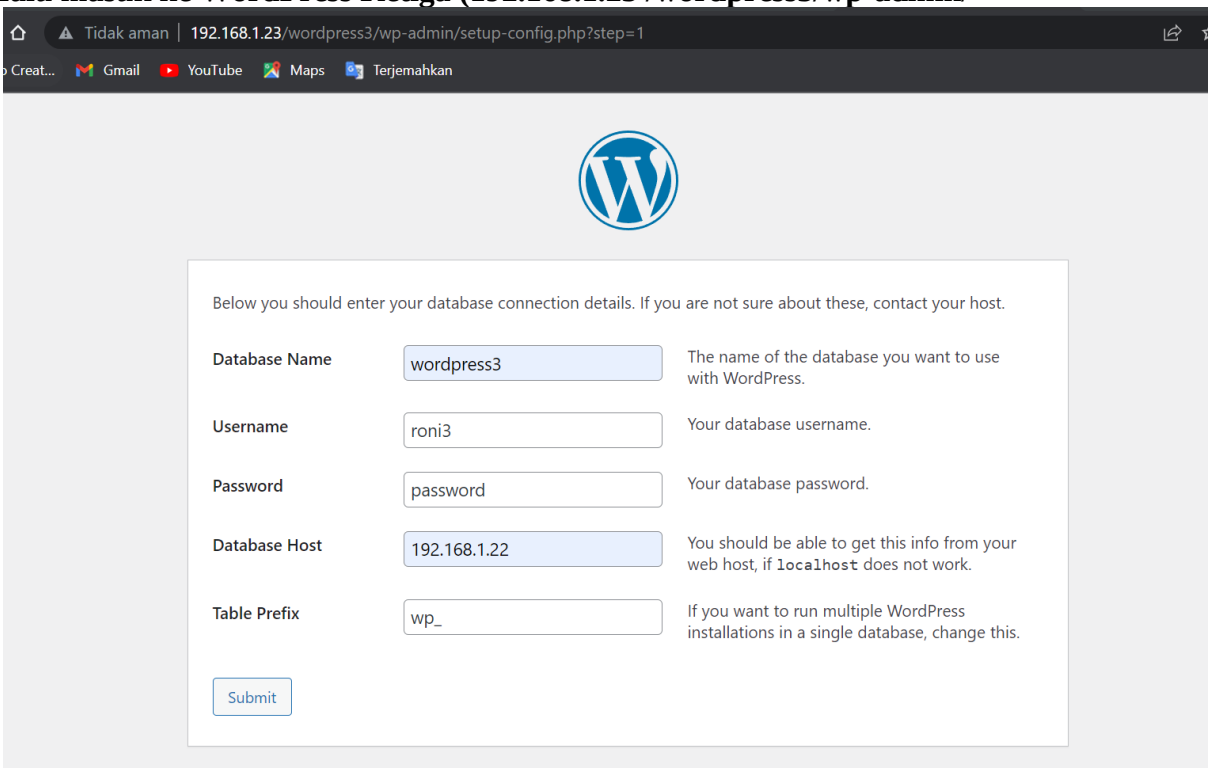
```
Last login: Sat Oct  1 11:44:05 2022 from 192.168.1.21
roni@roni:~$ cd /tmp && wget https://wordpress.org/latest.tar.gz
--2022-10-01 12:08:59--  https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 21172479 (20M) [application/octet-stream]
Saving to: ‘latest.tar.gz’

latest.tar.gz        100%[=====================>]  20.19M   493KB/s    in 45s

2022-10-01 12:09:46 (461 KB/s) - ‘latest.tar.gz’ saved [21172479/21172479]

roni@roni:/tmp$ tar -xvf latest.tar.gz
wordpress/
wordpress/xmlrpc.php
wordpress/wp-blog-header.php
wordpress/readme.html
wordpress/wp-signup.php
wordpress/index.php
wordpress/wp-cron.php
wordpress/wp-config-sample.php
wordpress/wp-login.php
wordpress/wp-settings.php
wordpress/license.txt
wordpress/wp-content/
wordpress/wp-content/themes/
wordpress/wp-content/themes/twentytwentyone/
wordpress/wp-content/themes/twentytwentyone/footer.php
wordpress/wp-content/themes/twentytwentyone/template-parts/
wordpress/wp-content/themes/twentytwentyone/template-parts/content/
wordpress/wp-content/themes/twentytwentyone/template-parts/content/content-excerpt.p
hp
```

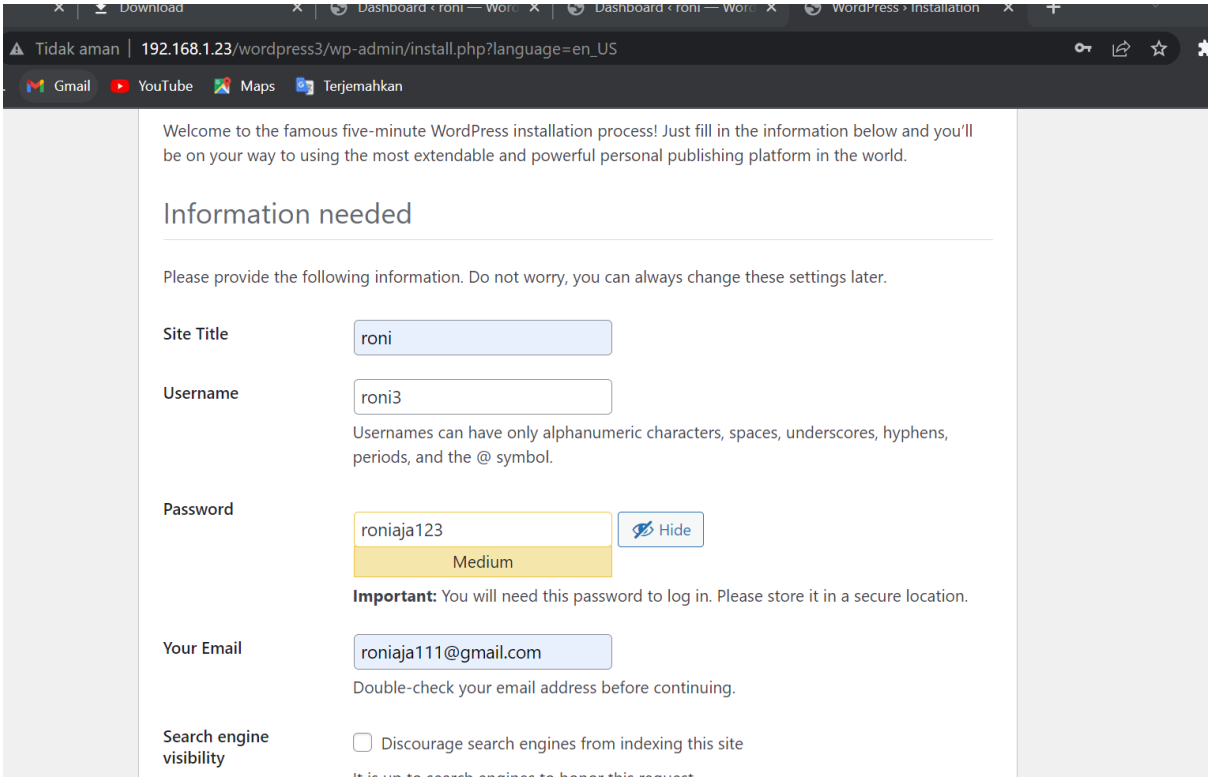

Download
WordPress › Setup Configuration
Tidak aman | 192.168.1.23/wordpress/wp-admin/setup-config.php?step=1
Gmail
YouTube
Maps
Terjemahkan
Below you should enter your database connection details. If you are not sure about these, contact your host.
Database Name
wordpress
The name of the database you want to use with WordPress.
Username
roni1
Your database username.
Password
password
Your database password.
Database Host
192.168.1.22
You should be able to get this info from your web host, if localhost does not work.
Table Prefix
wp_
If you want to run multiple WordPress installations in a single database, change this.
Submit

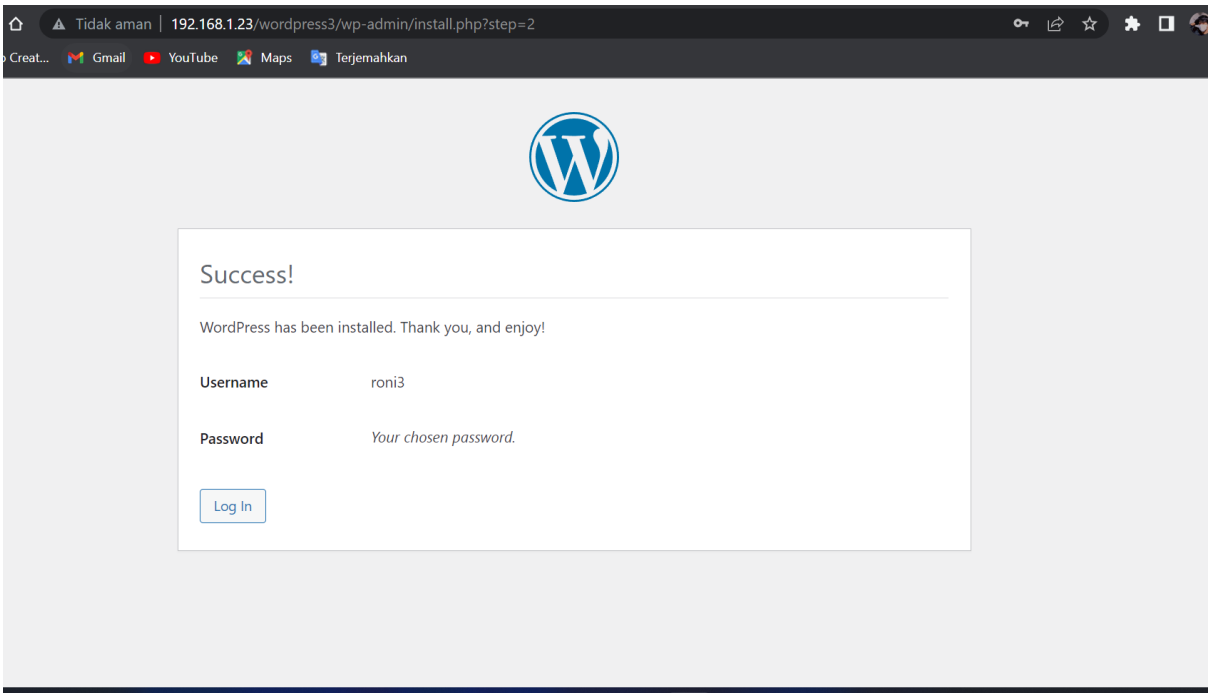

Download
WordPress › Installation
Tidak aman | 192.168.1.23/wordpress/wp-admin/install.php?step=1
Gmail
YouTube
Maps
Terjemahkan
Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.
Information needed
Please provide the following information. Do not worry, you can always change these settings later.
Site Title
roni
Username
roni1
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password
roniaja123
Hide
Medium
Important: You will need this password to log in. Please store it in a secure location.
Your Email
roniaja111@gmai.com
Double-check your email address before continuing.
Search engine visibility
Discourage search engines from indexing this site



Lalu masuk ke WordPress Ketiga (192.168.1.23 /wordpress3/wp-admin/




Tidak aman | 192.168.1.23/wordpress3/wp-admin/install.php?language=en_US
Gmail
YouTube
Maps
Terjemahkan
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
roni
Username
roni3
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password
roniaja123
Hide
Medium
Important: You will need this password to log in. Please store it in a secure location.
Your Email
roniaja111@gmail.com
Double-check your email address before continuing.
Search engine visibility
Discourage search engines from indexing this site


Tidak aman | 192.168.1.23/wordpress3/wp-admin/install.php?step=2
Gmail
YouTube
Maps
Terjemahkan
Success!
WordPress has been installed. Thank you, and enjoy!
Username
roni3
Password
Your chosen password.
Log In