



HOSTING WEB INSTRUCTION

Project Logbook Web

Divisi Keproyekan

DAFTAR ISI

DAFTAR ISI.....	i
1 TAHAPAN INSTALASI LOGBOOK PADA WEB SERVER.....	1
1.1. Requirements.....	1
1.2. Konfigurasi Repository.....	1
1.3. Konfigurasi log Web Server.....	2
1.4. Konfigurasi Database Logbook.....	5

1 TAHAPAN INSTALASI LOGBOOK PADA WEB SERVER

1.1. Requirements

- PHP version 7.3
- Mariadb-server / MySql-Server
- phpmyadmin
- Nginx
- openssl
- php7.3-fpm
- git

1.2. Konfigurasi Repository

Link logbook web gitlab: <https://gitlab.com/agriirga/web-logbook-keprojekan.git>

- Langkah pertama adalah instalasi git “**sudo apt-get install git**”

```
File Edit View Bookmarks Settings Help
(base) ulquiorralucifer@pop-os:~/Downloads$ sudo apt-get install git
[sudo] password for ulquiorralucifer:
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk gitweb git-cvs git-mediawiki git-svn
The following packages will be upgraded:
  git
1 upgraded, 0 newly installed, 0 to remove and 59 not upgraded.
Need to get 0 B/4,100 kB of archives.
After this operation, 12.3 kB of additional disk space will be used.
(Reading database ... 287746 files and directories currently installed.)
Preparing to unpack .../git_1%3a2.20.1-2ubuntu1.19.10.3_amd64.deb ...
Unpacking git (1:2.20.1-2ubuntu1.19.10.3) over (1:2.20.1-2ubuntu1.19.10.2) ...
Setting up git (1:2.20.1-2ubuntu1.19.10.3) ...
(base) ulquiorralucifer@pop-os:~/Downloads$
```

- lalu buka folder `/var/www/html/` menggunakan perintah “**cd /var/www/html/**”

```
File Edit View Bookmarks Settings Help
(base) ulquiorralucifer@pop-os:/var/www/html$ cd /var/www/html/
(base) ulquiorralucifer@pop-os:/var/www/html$
```

- lalu lakukan git clone untuk mendownload file yang ada pada url logbook web dengan perintah “***sudo git clone https://gitlab.com/agriirga/web-logbook-keprojekan.git***” lalu masukan *username/email* beserta password yang mendapatkan izin akses ke gitlab tersebut

```
(base) ulquiorralucifer@pop-os:/var/www/html$ sudo git clone https://gitlab.com/agriirga/web-logbook-keprojekan.git
Cloning into 'web-logbook-keprojekan'...
Username for 'https://gitlab.com': verrandyb@gmail.com
Password for 'https://verrandyb@gmail.com@gitlab.com':
remote: Enumerating objects: 524, done.
remote: Counting objects: 100% (524/524), done.
remote: Compressing objects: 100% (403/403), done.
Receiving objects: 81% (426/524), 2.90 MiB | 118.00 KiB/s
```

- terdapat folder bernama **web-logbook-keprojekan** lalu rename folder tersebut dengan nama logbook menggunakan perintah “***sudo mv web-logbook-keprojekan logbook***”

```
(base) ulquiorralucifer@pop-os:/var/www/html$ sudo mv web-logbook-keprojekan/ logbook
(base) ulquiorralucifer@pop-os:/var/www/html$ ls
index.html index.nginx-debian.html logbook logbook1
(base) ulquiorralucifer@pop-os:/var/www/html$
```

- lalu buka folder tersebut menggunakan perintah “***cd logbook***”

```
(base) ulquiorralucifer@pop-os:/var/www/html$ cd logbook
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$
```

- lalu gunakan perintah “***sudo git pull***” untuk mengupdate data commit terbaru yang ada pada repository gitlab. Lalu masukkan *username/email* dan *password* untuk akses gitlab

```
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$ sudo git pull
Username for 'https://gitlab.com': verrandyb@gmail.com
Password for 'https://verrandyb@gmail.com@gitlab.com':
Already up to date.
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$
```

1.3. Konfigurasi log Web Server

pertama install terlebih dahulu Nginx, php7.3, php7.3-fpm

dengan perintah “**sudo apt-get install nginx php7.3 php7.3-fpm**”

a) file root logbook berada pada directory “**/var/www/html/logbook**”

```
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$ pwd
/var/www/html/logbook
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$ ls -a
.          assets          composer.lock      download          .gitignore       project_log.sql   tmp
..         cgi-bin          contributing.md     .editorconfig    index.php         readme.rst       vendor
application composer.json  'db_logpm (3).sql' .git             license.txt      system          .well-known
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$
```

b) copy konfigurasi default nginx dengan perintah ‘**sudo cp default logbook**’
pada directory “**/etc/nginx/sites-available**”

```
(base) ulquiorralucifer@pop-os:/etc/nginx/sites-available$ sudo cp default logbook
```

c) konfigurasi file logbook dengan perintah “**nano logbook**” pada folder
“**/etc/nginx/sites-available/**” sesuaikan konfigurasi berikut seperti gambar
dibawah ini

```
(base) ulquiorralucifer@pop-os:~$ cat /etc/nginx/sites-available/logbook
server {
    server_name logbook.com;
    listen 80;

    root /var/www/html/logbook;
    index index.html index.php;

    # set expiration of assets to MAX for caching
    location ~* \.(ico|css|js|gif|jpe?g|png)(\?[0-9]+)?$ {
        expires max;
        log_not_found off;
    }

    location / {
        # Check if a file or directory index file exists, else route it to index.php.
        try_files $uri $uri/ /index.php;
    }

    location ~* \.php$ {
        # fastcgi_pass 127.0.0.1:9000;
        include fastcgi.conf;
        fastcgi_pass unix:/var/run/php/php7.3-fpm.sock;
    }
}
```

keterangan:

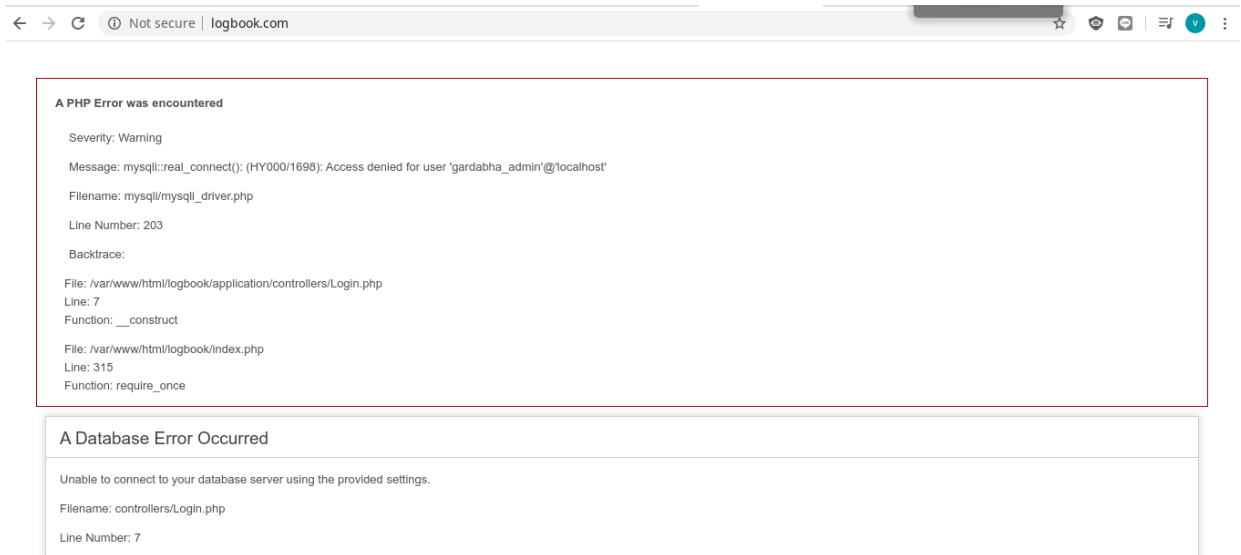
- d) lalu gunakan perintah **"sudo service nginx restart"**

Lalu perintah **"sudo service php7.3-fpm start"** untuk mengaktifkan socket

```
(base) ulquiorralucifer@pop-os:/etc/nginx/sites-available$ sudo service php7.3-fpm start
(base) ulquiorralucifer@pop-os:/etc/nginx/sites-available$
```

- ```
(base) ulquiorralucifer@pop-os:/etc/nginx/sites-available$ cat /etc/hosts
127.0.0.1 localhost
::1 localhost
127.0.1.1 pop-os.localdomain pop-os
127.0.1.1 diango.com
127.0.1.2 logbook.com
(base) ulquiorralucifer@pop-os:/etc/nginx/sites-available$
```

- 4



#### 1.4. Konfigurasi Database Logbook

- install terlebih dahulu Mariadb-server dengan perintah “**sudo apt-get install mariadb-server**”

```
(base) ulquiorralucifer@pop-os:/etc/nginx/sites-available$ sudo apt-get install mariadb-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
mariadb-server is already the newest version (1:10.3.22-0ubuntu0.19.10.1).
0 upgraded, 0 newly installed, 0 to remove and 60 not upgraded.
(base) ulquiorralucifer@pop-os:/etc/nginx/sites-available$
```

- aktifkan mysql dengan perintah “**sudo service mysql start**”

```
(base) ulquiorralucifer@pop-os:~$ sudo service mysql start
(base) ulquiorralucifer@pop-os:~$
```

- buka mysql dengan perintah “**sudo mysql -u root -p**” lalu masukan password root server

```
(base) ulquiorralucifer@pop-os:~$ sudo mysql -u root -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 37
Server version: 10.3.22-MariaDB-0ubuntu0.19.10.1 Ubuntu 19.10

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)]>
```

- membuat database db\_logpm “**create database db\_logpm;**”

```
MariaDB [(none)]> create database db_logpm
-> ;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]>
```

- membuat user dan password untuk database db\_logpm

```
MariaDB [(none)]> CREATE USER "logbook_user"@"localhost" IDENTIFIED BY "logbook_password";
Query OK, 0 rows affected (0.013 sec)
```

- memberikan hak akses ke database db\_logpm “ **GRANT ALL PRIVILEGES ON db\_logpm.\* TO 'logbook\_user'@'localhost';**  
”

```
MariaDB [(none)]> GRANT ALL PRIVILEGES ON db_logpm.* TO 'logbook_user'@'localhost';
Query OK, 0 rows affected (0.001 sec)
```



- o lalu import backup file db, file db terdapat pada folder root logbook dengan nama db\_logpm (3).buka terminal baru lalu import db dengan perintah “

```
mysql -u logbook_user -p db_logpm <
/var/www/html/logbook/db_logpm\ \
3\).sql” lalu masukan password “logbook_password”
```

```
ERROR 1040 (3B000) at line 31: no database selected
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$ mysql -u logbook_user -p db_logpm < /var/www/html/logbook/db_logpm\ \
3\).sql
Enter password:
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$
```

- o selanjutnya konfigurasi file logbook, pertama buka folder root logbook di directory /var/www/html/logbook/ menggunakan perintah “cd /var/www/html/logbook”

```
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$ cd /var/www/html/logbook/
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$ ls -l
total 304
drwxr-xr-x 14 root root 4096 May 18 11:45 application
drwxr-xr-x 10 root root 4096 May 18 11:45 assets
drwxr-xr-x 2 root root 4096 May 18 11:45 cgi-bin
-rw-r--r-- 1 root root 647 May 18 11:45 composer.json
-rw-r--r-- 1 root root 57375 May 18 11:45 composer.lock
-rw-r--r-- 1 root root 6934 May 18 11:45 contributing.md
-rw-r--r-- 1 root root 111396 May 18 11:45 'db_logpm (3).sql'
drwxr-xr-x 2 root root 4096 May 18 11:45 download
-rw-r--r-- 1 root root 10570 May 18 11:45 index.php
-rw-r--r-- 1 root root 1134 May 18 11:45 license.txt
-rw-r--r-- 1 root root 70659 May 18 11:45 project_log.sql
-rw-r--r-- 1 root root 2413 May 18 11:45 readme.rst
drwxr-xr-x 8 root root 4096 May 18 11:45 system
drwxr-xr-x 2 root root 4096 May 18 11:45 tmp
drwxr-xr-x 16 root root 4096 May 18 11:45 vendor
(base) ulquiorralucifer@pop-os:/var/www/html/logbook$
```

- edit file database lalu sesuaikan dengan db yang kita buat tadi “**sudo nano application/config/database.php**”

```

logbook: nano — Konsole
GNU nano 4.3 application/config/database.php Modified
/*
 * The $query_builder variable lets you determine whether or not to load
 * the query builder class.
 */
$active_group = 'default';
$query_builder = TRUE;

$db['default'] = array(
 'dsn' => '',
 'hostname' => 'localhost',
 'username' => 'logbook_user',
 'password' => 'logbook_password',
 'database' => 'db_logpm',
 // 'hostname' => '10.10.0.28',
 // 'username' => 'usr_logpm',
 // 'password' => 'logPM-2019',
 // 'database' => 'db_logpm',
 'dbdriver' => 'mysqli',
 'dbprefix' => '',
 'pconnect' => FALSE,
 'db_debug' => (ENVIRONMENT !== 'production'),
 'cache_on' => FALSE,
);
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos ^M-U Undo ^M-A Mark Text
^X Exit ^R Read File ^\ Replace ^U Paste Text ^T To Spell ^_ Go To Line ^M-E Redo ^M-B Copy Text
-: sudo gedit logbook: nano

```

- lalu konfigurasi file config pada logbook “**sudo nano application/config/config.php**”

```

sudo nano — Konsole
config/config.php
If you need to allow multiple domains, remember that this file is still
a PHP script and you can easily do that on your own.

$config['base_url'] = 'http://logbook.com/';

/*
 * Index File
 *
 * Typically this will be your index.php file, unless you've renamed it to
 * something else. If you are using mod_rewrite to remove the page set this
 * variable so that it is blank.
 */
$config['index_page'] = '';

/*
 * URI PROTOCOL
 *
 * This item determines which server global should be used to retrieve the
 * URI string. The default setting of 'REQUEST_URI' works for most servers.
 * If your links do not seem to work, try one of the other delicious flavors:
 *
 * 'REQUEST_URI' Uses $_SERVER['REQUEST_URI']
 * 'QUERY_STRING' Uses $_SERVER['QUERY_STRING']
 * 'PATH_INFO' Uses $_SERVER['PATH_INFO']
 *
 * WARNING: If you set this to 'PATH_INFO', URIs will always be URL-decoded!
 */
$config['uri_protocol'] = 'REQUEST_URI';

```

keterangan sesuaikan dengan tanda pada gambar tersebut

- Tampilan setelah database fix

