Tutorial Bikin moodle di server ubuntu

Update Repo

```
sudo apt update
sudo apt -y install software-properties-common ca-certificates lsb-release apt-
transport-https

sudo add-apt-repository ppa:ondrej/php

sudo apt update
sudo apt -y install php7.4
```

Install Apache2

```
apt -y install apache2
```

optional: bisa mengaktifkan firewall

```
sudo ufw allow 'Apache'
```

Install PHP7.4

```
sudo apt update
sudo apt -y install php7.4
```

Install extension

```
su
apt -y install php7.4-common php7.4-mysql php7.4-xml php7.4-xmlrpc \
php7.4-curl php7.4-gd php7.4-imagick php7.4-cli php7.4-dev \
php7.4-imap php7.4-mbstring php7.4-opcache php7.4-soap \
php7.4-zip php7.4-intl php7.4-cli \
imagemagick git zip libgd-dev libapache2-mod-php \
php7.4 php7.4-common libapache2-mod-php7.4 php7.4-cli
```

Edit

```
sudo vi /etc/php/7.4/apache2/php.ini

upload_max_filesize = 100M
post_max_size = 48M
memory_limit = 512M
max_execution_time = 600
max_input_vars = 5000
max_input_time = 1000
```

Switch ke PHP7.4

```
sudo update-alternatives --config php
```

```
  Selection    Path           Priority   Status
----------------------------------------------------------
* 0            /usr/bin/php8.1  81        auto mode
  1            /usr/bin/php7.4  74        manual mode
  2            /usr/bin/php8.1  81        manual mode

Press <enter> to keep the current choice[*], or type selection number: 1
```

Restart apache2

```
sudo systemctl restart apache2.service
sudo systemctl enable apache2.service
```

Test

```
sudo vi /var/www/html/phpinfo.php
```

```
<?php phpinfo( ); ?>
```

Install MariaDB

```
sudo apt -y install mariadb-server
```

Restart & Enable

```
sudo systemctl start mariadb
sudo systemctl enable mariadb
```

Secure Installation

```
sudo mysql_secure_installation
```

```
Enter current password for root (enter for none):
Set root password? [Y/n] y
New password:
Re-enter new password:
Remove anonymous users? [Y/n] y
Disallow root login remotely? [Y/n] y
Remove test database and access to it? [Y/n] y
Reload privilege tables now? [Y/n] y
```

Cek & Test

```
sudo mysql -u root -p
```

```
CREATE DATABASE testdb;
CREATE USER 'testuser' IDENTIFIED BY 'password';
GRANT ALL PRIVILEGES ON testdb.* TO 'testuser';
FLUSH PRIVILEGES;
exit
```

Install Moodle

Setup Database

Kalau Operasional

Setup root password (jika di perlukan saja)

```
mysql
mysql> SET PASSWORD FOR root@localhost=PASSWORD('password');
```

Setup database operasonal dengan username & password akses

```
# mysql -u root -p
Enter password:
create database moodle;
ALTER DATABASE moodle charset=utf8mb4;
ALTER DATABASE moodle CHARACTER SET = utf8mb4 COLLATE = utf8mb4_unicode_ci;
grant INSERT,SELECT on moodle.* to root@localhost;
grant CREATE, INSERT, SELECT, DELETE, UPDATE on moodle.* to usermoodle@localhost
identified by "moodlepassword";
grant CREATE, INSERT, SELECT, DELETE, UPDATE on moodle.* to usermoodle
identified by "moodlepassword";
exit
```

Kalau hanya Latihan

Password root 123456

```
# mysql -u root -p123456

create database moodle;
ALTER DATABASE moodle charset=utf8mb4;
ALTER DATABASE moodle CHARACTER SET = utf8mb4 COLLATE = utf8mb4_unicode_ci;
grant ALL on moodle.* to root@localhost;
grant ALL on moodle.* to moodle@localhost identified by "moodle";
grant ALL on moodle.* to moodle identified by "moodle";
exit

service mysqld start
service mysqld restart
```

Siapkan folder /var/moodledata/

Download language pack lewat web

https://download.moodle.org/download.php/langpack/4.0/id.zip

transfer menggunakan scp ke

```
/usr/local/src
```

Install language pack

```
cd /usr/local/src
mkdir -p /var/moodledata/lang
cp id.zip /var/moodledata/lang
```

```
cd /var/moodledata/lang
unzip id.zip
chmod -Rf 777 /var/moodledata/lang/
chown -Rf www-data: /var/moodledata/lang/
```

Install Moodle

Download oleh manusia dari

https://download.moodle.org/download.php/stable400/moodle-latest-400.tgz
https://download.moodle.org/download.php/stable400/moodle-4.0.1.tgz

Copykan menggunakan scp ke

/usr/local/src

Install

```
cd /usr/local/src
cp moodle-latest-400.tgz /var/www/html/
cd /var/www/html/
tar zxvf moodle-latest-400.tgz
chown -Rf www-data: /var/moodledata/
chmod -Rf 777 /var/www/html/moodle
chown -Rf www-data: /var/www/html/moodle
```

Lanjutkan dengan konfigurasi via web

http://localhost/moodle
http://ip-address/moodle

```
Language         -> id  -> Selanjutnya
Web Address         http://ip-address/moodle
Moodle Directory    /var/www/html/moodle
Data Directory      /var/moodledata/
Confirm paths     -> Selanjutnya
Choose database driver
Type -> MySQL        -> Selanjutnya
Database settings
  Improved MySQL (mariadb)
  Database host      localhost
  Database name      moodle
  Database user      moodle
  Database password  moodle
  Tables prefix      mdl_
  unix socket (check) -> Selanjutnya


Installation      -> Lanjut
Server checks     -> Selanjutnya


Installation
  Nama Pengguna
  Password
  Nama Depan
  Nama akhir
  Alamat Email
  Kota
```

```
   Pilih Negara              -> Perbaharui Profile

Installation
  Nama lengkap situs
  Nama singkat untuk situs (mis. kata tunggal)
  Keterangan halaman depan -> Save Changes
```

Akses Moodle

http://localhost/moodle/
http://ip-address/moodle/