

Small Project I

IBAN GETARJATI
SEKOLAH DEVOPS CILSY BATCH 11

Requirements

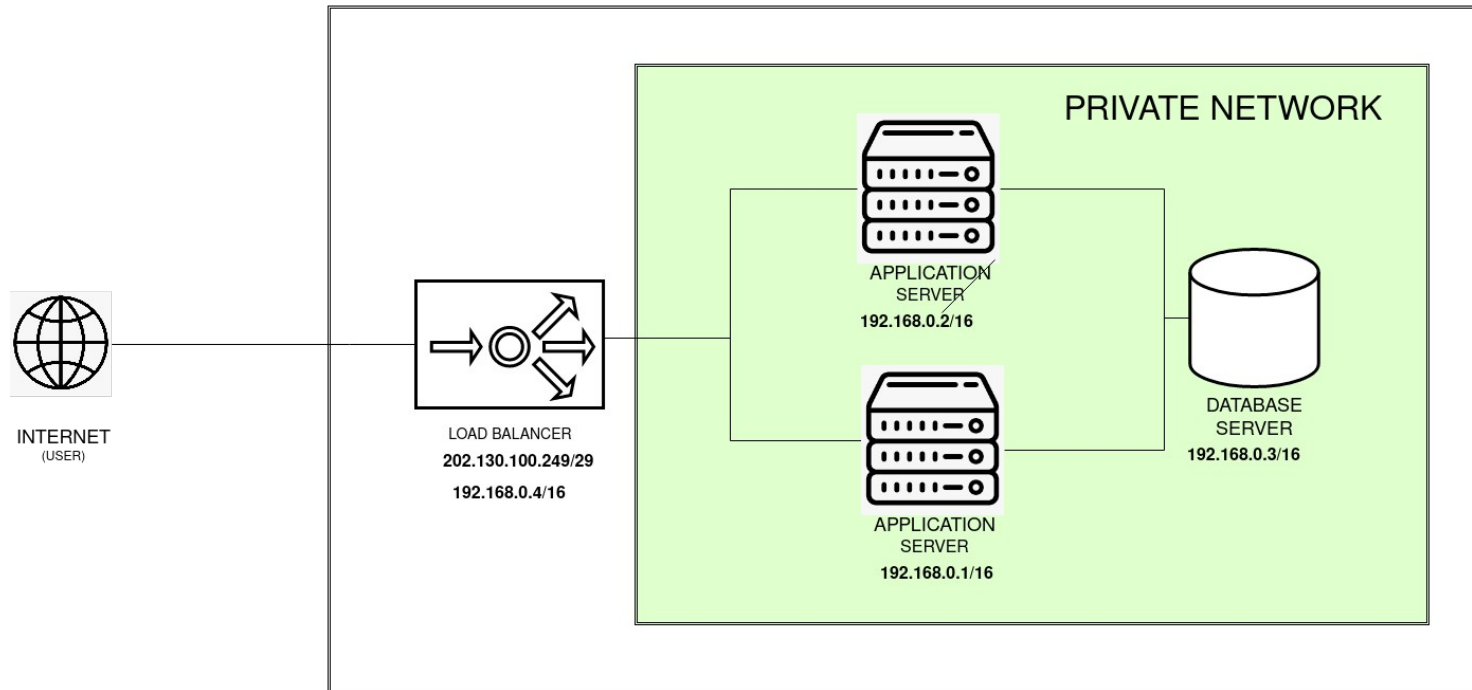
1. Buat sebuah topologi untuk infrastruktur server yang akan kalian buat.
2. Tentukan berapa saja IP Address yang akan kalian berikan, sesuai dengan infrastruktur tersebut.
3. Buat sebuah bash script yang berisi program untuk menginstall layanan webserver dan database server.

Requirements

4. Setup Aplikasi Web pada server tersebut. Untuk aplikasi yang harus di deploy adalah sebagai berikut:
 1. Landing Page (<https://github.com/sdcilsy/landing-page>)
 2. Wordpress
 3. Aplikasi Sosial Media Pesbuk (<https://github.com/sdcilsy/sosial-media>)
5. Upload Web Aplikasi yang sudah diberikan ke Repository Gitlab atau Github yang kalian miliki.
6. Coba ubah sedikit pada salah satu bagian konten aplikasi atau tambahkan konten baru pada aplikasi tersebut, setelah itu buatlah sebagai commit dan push ke Git

1. Topologi Infrastruktur Jaringan

TOPOLOGI INFRASTRUKTUR JARINGAN SMALL PROJECT 1



3. Bash Script: Web Server & Database Server

```
vagrant@vagrant-ubuntu-trusty-64: ~
GNU nano 2.2.6 File: installWebService.sh

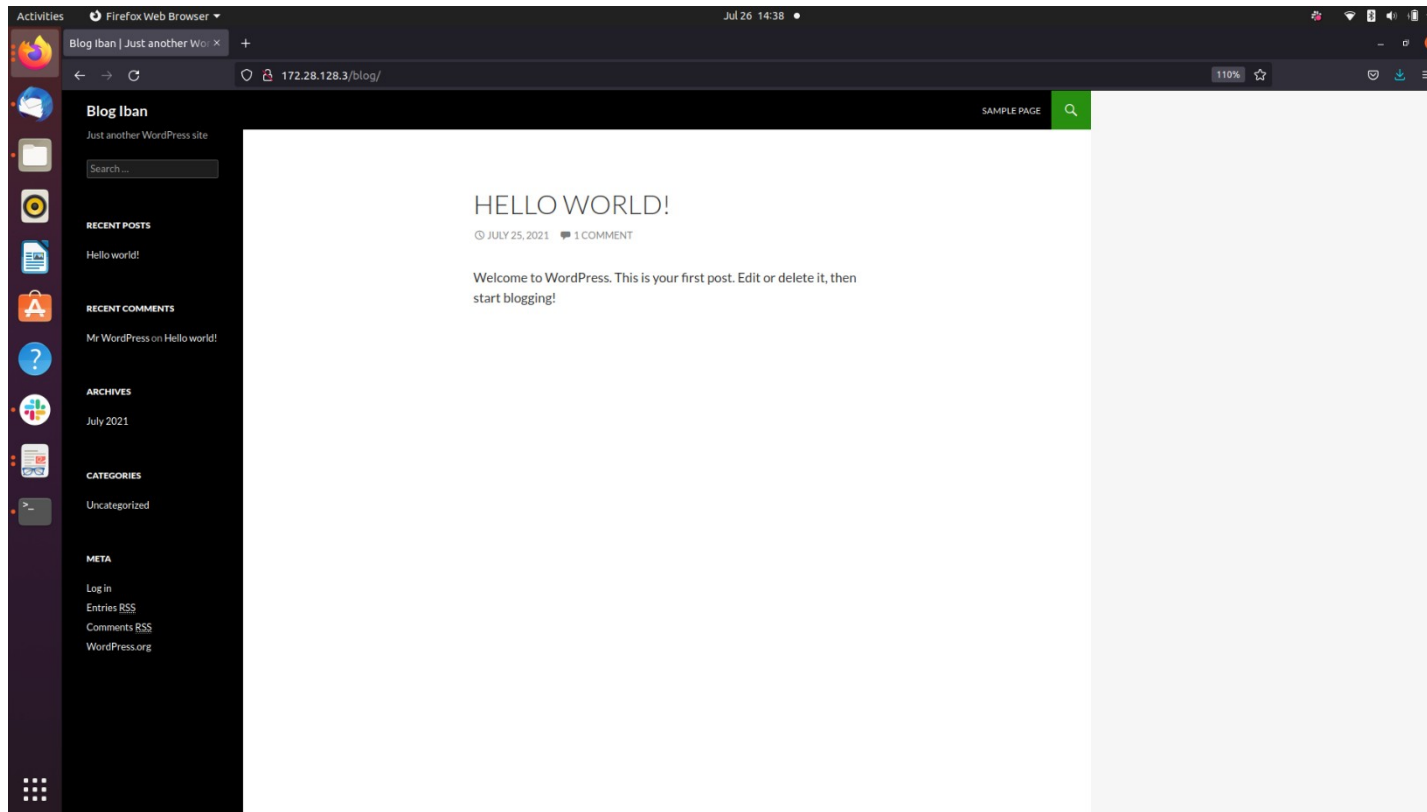
#!/bin/bash

jawaban="Y"
read -p "Apakah kamu yakin akan menginstall web server & database server ? (Y/n) " pilih;
if [ $pilih == $jawaban ];
then
echo "-----"
echo "Menyiapkan Instalasi Web server"
echo "-----"
sudo apt-get update
echo "Melakukan Instalasi Webserver"
sudo apt-get install apache2 php5 php5-mysql libapache2-mod-php5 php5-mcrypt
echo "Melakukan Instalasi Database Server"
sudo apt-get install mysql-server
echo "Instalasi Selesai"
exit 0
else
echo "Instalasi dibatalkan"
exit 1
fi
```

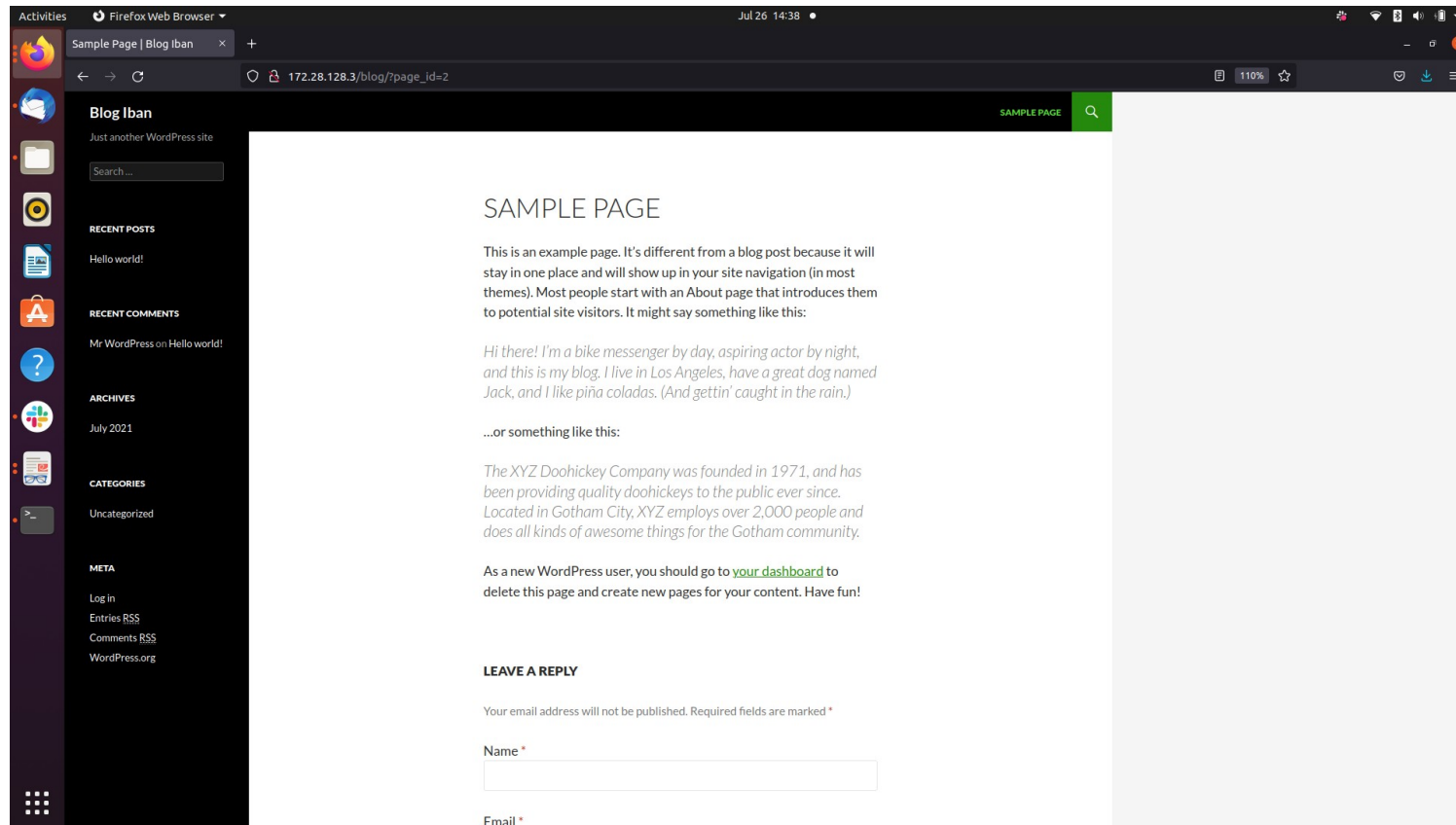
4. Web Application: Landing Page



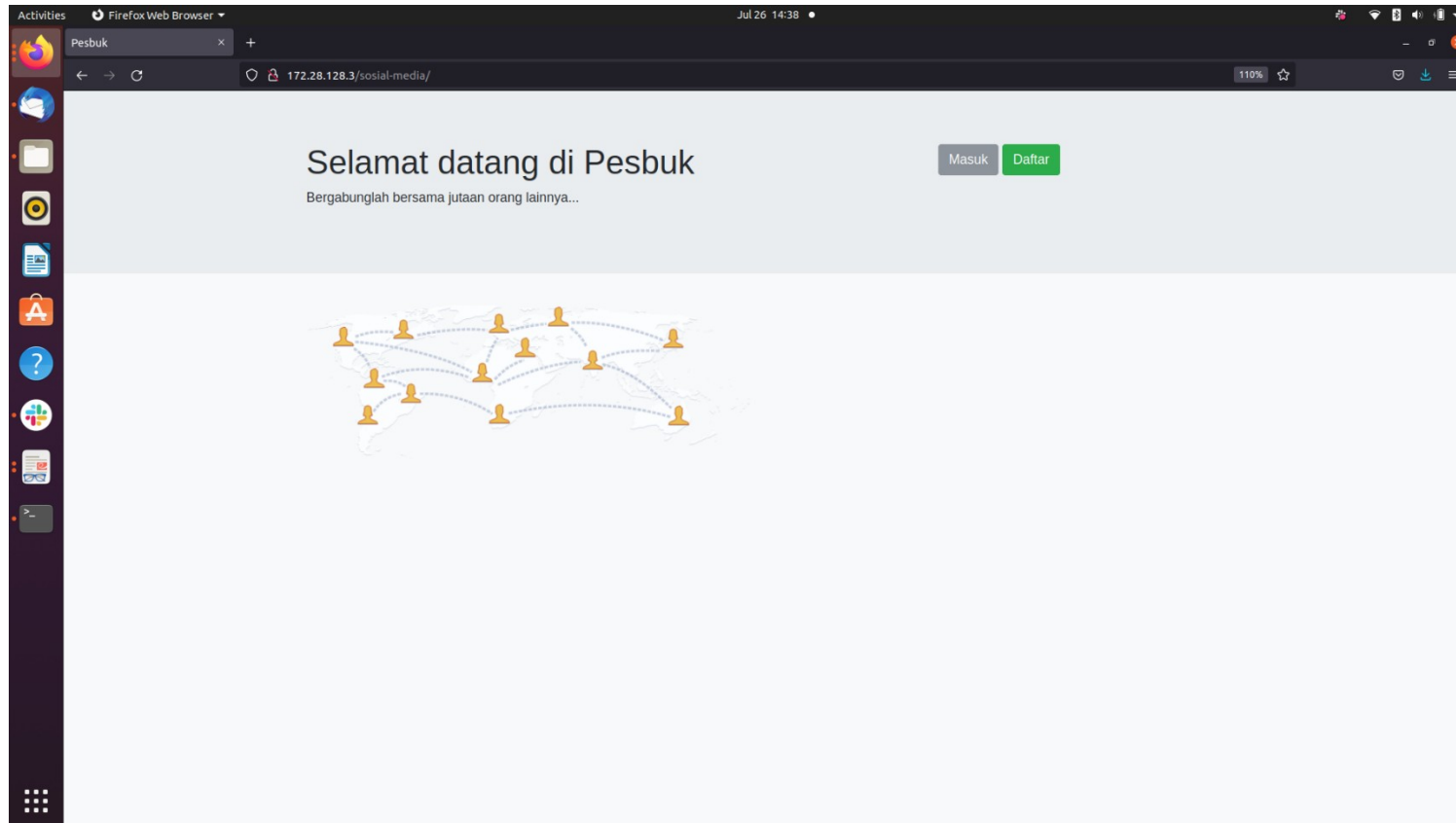
4. Web Application: Wordpress



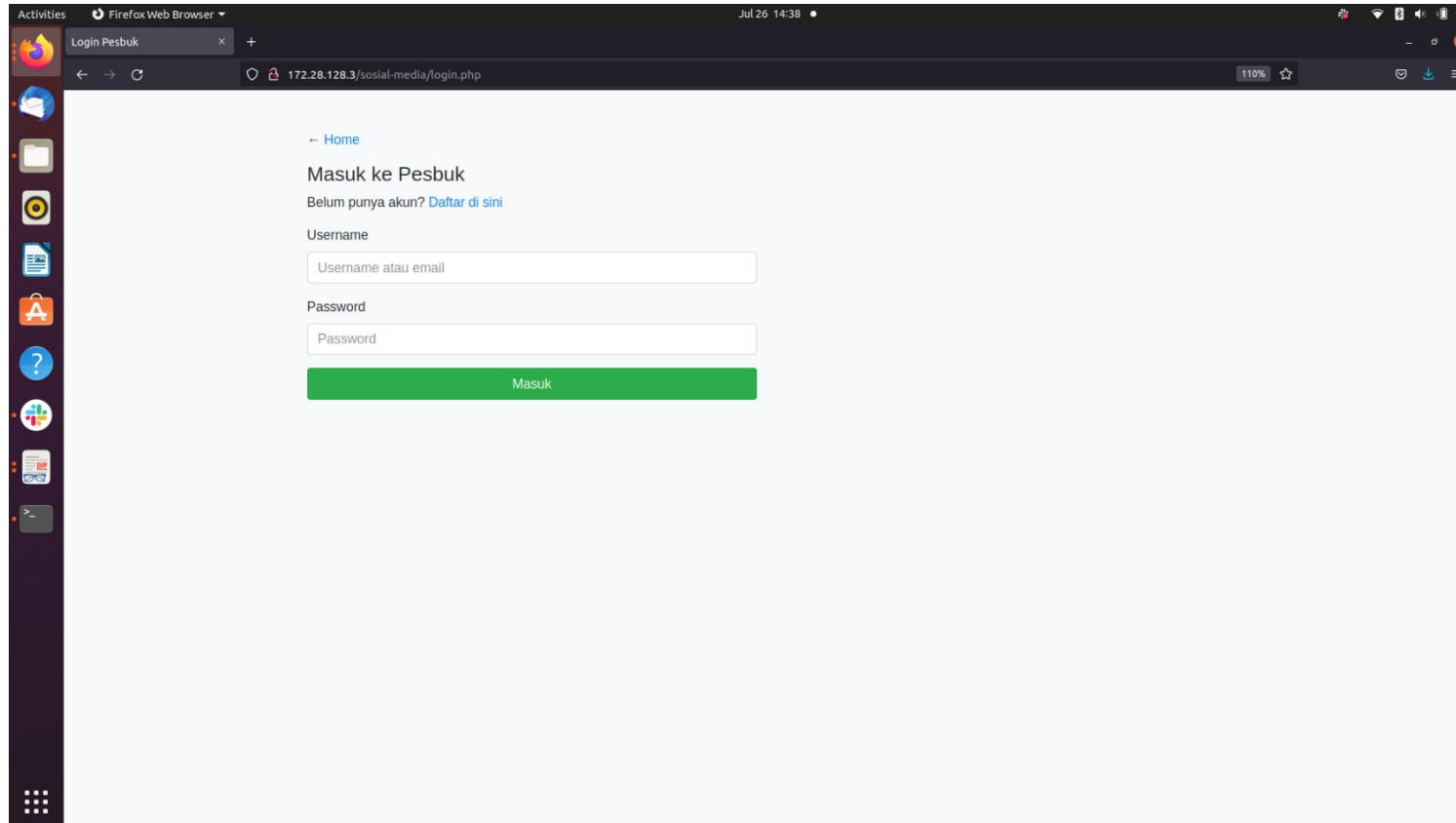
4. Web Application: Wordpress



4. Web Application: Sosial Media Pesbuk



4. Web Application: Sosial Media Pesbuk



5. Upload ke Repository

The screenshot shows a web browser displaying the GitHub repository page for 'ibangj/small-project-1'. The repository is private and has 1 branch (main) and 0 tags. The commit history shows three commits: 'Penambahan informasi pada index.html' (2a36a76, 17 hours ago, 3 commits), 'instalasi' (17 hours ago), and 'webApp/www/html' (17 hours ago). The README.md file is visible, titled 'small-project-1', with the content 'Pekerjaan small project 1 program Sekolah Devops Cilsy Batch 11'. The right sidebar shows the 'About' section with the description 'Pekerjaan small project 1 program Sekolah Devops Cilsy Batch 11', a 'Readme' link, and sections for 'Releases', 'Packages', and 'Languages'. The 'Languages' section shows a bar chart with the following data:

Language	Percentage
HTML	24.4%
CSS	20.6%
PHP	16.2%
SCSS	13.8%
JavaScript	12.3%
Shell	9.8%
Hack	2.9%

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[illegible]

7. Opsi Tambahan

```
vagrant@vagrant-ubuntu-trusty-64: ~
GNU nano 2.2.6 File: installWebApps.sh

#!/bin/bash
sudo apt update

echo "====="
echo "Menginstall Unzip"
echo "====="

sudo apt-get install zip unzip

jawaban="Y"
read -p "Apakah kamu yakin akan melakukan setup Aplikasi Web Landing Page? (Y/n) " pilih;
if [ $pilih == $jawaban ];
then
echo "====>"
echo "Downloading Data"
echo "====>"
cd
wget -P /tmp/landing-page/ https://github.com/sdcilsy/landing-page/archive/refs/heads/master.zip
echo "====>"
echo "Ekstrak File"
echo "====>"
unzip /tmp/landing-page/master.zip -d /tmp/landing-page/
echo "====>"
echo "Memindahkan data"
echo "====>"
sudo mkdir /var/www/html/landing-page/
sudo mv /tmp/landing-page/landing-page-master/* /var/www/html/landing-page/
echo "Setup Landing Page selesai"
else
echo "Setup Landing Page dibatalkan"
fi
```

7. Opsi Tambahan

```
jawaban="Y"
read -p "Apakah kamu yakin akan melakukan setup Aplikasi Web Sosial Media Pesbuk? (Y/n)" pilih;
if [ $pilih == $jawaban ];
then
echo "=====>"
echo "Downloading Data"
echo "=====>"
cd
wget -P /tmp/sosial-media/ https://github.com/sdcilsy/sosial-media/archive/refs/heads/master.zip
echo "=====>"
echo "Ekstrak File"
echo "=====>"
unzip /tmp/sosial-media/master.zip -d /tmp/sosial-media/
echo "=====>"
echo "Memindahkan data"
echo "=====>"
sudo mkdir /var/www/html/sosial-media/
sudo mv /tmp/sosial-media/sosial-media-master/* /var/www/html/sosial-media/
echo "=====>"
echo "Konfigurasi database dilakukan manual"
echo "=====>"

echo "Setup Sosial Media Pesbuk selesai"
else
echo "Setup Sosial Media Pesbuk dibatalkan"
fi
```

```
jawaban="Y"
read -p "Apakah kamu yakin akan melakukan setup Aplikasi Web Wordpress? (Y/n)" pilih;
if [ $pilih == $jawaban ];
then
echo "=====>"
echo "Downloading & Installing Data"
echo "=====>"
sudo apt install wordpress
echo "=====>"
echo "Membuat situs apache untuk Wordpress"
echo "=====>"
sudo touch /etc/apache2/sites-available/wordpress.conf
sudo chmod 777 /etc/apache2/sites-available/wordpress.conf
sudo echo 'Alias /blog /usr/share/wordpress
<Directory /usr/share/wordpress>
    Options FollowSymLinks
    AllowOverride Limit Options FileInfo
    DirectoryIndex index.php
    Order allow,deny
    Allow from all
</Directory>
<Directory /usr/share/wordpress/wp-content>
    Options FollowSymLinks
    Order allow,deny
    Allow from all
</Directory>' > /etc/apache2/sites-available/test1.conf
sudo chmod 644 /etc/apache2/sites-available/wordpress.conf
echo "=====>"
echo "Konfigurasi database dilakukan manual"
echo "=====>"

echo "Setup Wordpress dibatalkan"
fi
```