



LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)

IDENTITAS:

| | |
|----------------|----------------------|
| Nama: | Bangkit |
| NIM: | 123170037 |
| Kelas: | B |
| Hari, Tanggal: | 12 Maret 2020 |

CONTOH ISIAN:

1. Tampilkan hasil login pada Ubuntu Server dengan menggunakan PuTTY

```
root@eternal-loops: ~
login as: root
root@45.76.145.117's password:
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-45-generic x86_64)

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

System information as of Mon Feb 17 21:56:08 WIB 2020

System load:  0.0               Processes:            146
Usage of /:   84.9% of 19.63GB  Users logged in:     1
Memory usage: 78%               IP address for ens3: 45.76.145.117
Swap usage:   33%

* Multipass 1.0 is out! Get Ubuntu VMs on demand on your Linux, Windows or
  Mac. Supports cloud-init for fast, local, cloud devops simulation.

  https://multipass.run/

* Canonical Livepatch is available for installation.
  - Reduce system reboots and improve kernel security. Activate at:
    https://ubuntu.com/livepatch

187 packages can be updated.
141 updates are security updates.

*** System restart required ***
Last login: Sun Feb  2 19:18:13 2020 from 180.254.121.187
root@eternal-loops:~#
```

2. Deskripsikan parameter yang digunakan untuk keluar dari akun root

```
$ exit
```

Perintah exit digunakan untuk keluar dari sesi akun aktif

3. Tampilkan pesan kesalahan pada saat login PHPMyAdmin



TUGAS BAGIAN PERTAMA:

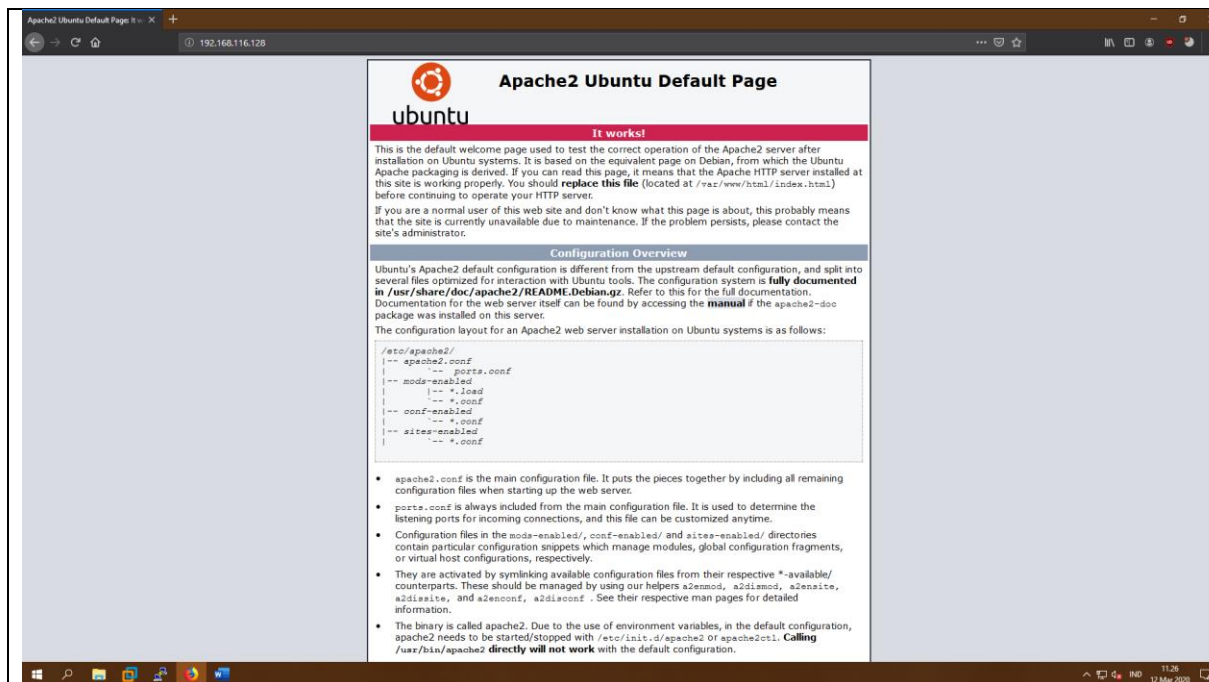
1. Tampilan hasil login Server Ubuntu pada PuTTY (tampilan dashboard/motd)

```
bangkit@kit_server: ~  
login as: bangkit  
bangkit@192.168.116.128's password:  
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-88-generic x86_64)
```

2. Deskripsikan parameter atau cara untuk mendapatkan IP dari Server Ubuntu

```
$ ifconfig
```

3. Tampilkan hasil instalasi Apache (Ubuntu Default Page) pada browser (perlihatkan juga address bar pada browser)



4. Tampilkan proses instalasi MySQL

bangkit@kit_server: ~

```
bangkit@kit_server:~$ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  libaiol libcgi-fast-perl libcgi-pm-perl libencode-locale-perl
  libevent-core-2.1-6 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl
  libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl
  liblwp-mediatypes-perl libtimedate-perl liburi-perl mysql-client-5.7
  mysql-client-core-5.7 mysql-common mysql-server-5.7 mysql-server-core-5.7
Suggested packages:
  libdata-dump-perl libipc-sharedcache-perl libwww-perl mailx tinyca
The following NEW packages will be installed:
  libaiol libcgi-fast-perl libcgi-pm-perl libencode-locale-perl
  libevent-core-2.1-6 libfcgi-perl libhtml-parser-perl libhtml-tagset-perl
  libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl
  liblwp-mediatypes-perl libtimedate-perl liburi-perl mysql-client-5.7
  mysql-client-core-5.7 mysql-common mysql-server mysql-server-5.7
  mysql-server-core-5.7
0 upgraded, 21 newly installed, 0 to remove and 65 not upgraded.
Need to get 19.7 MB of archives.
After this operation, 156 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 mysql-common all 5.8
+1.0.4 [7,308 B]
Get:2 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 libaiol amd6
4 0.3.110-5ubuntu0.1 [6,476 B]
Get:3 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 mysql-client
-core-5.7 amd64 5.7.29-0ubuntu0.18.04.1 [6,642 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 mysql-client
-5.7 amd64 5.7.29-0ubuntu0.18.04.1 [1,942 kB]
Get:5 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 mysql-server
-core-5.7 amd64 5.7.29-0ubuntu0.18.04.1 [7,430 kB]
Get:6 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libevent-core-2.1-6
amd64 2.1.8-stable-4build1 [85.9 kB]
Get:7 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 mysql-server
-5.7 amd64 5.7.29-0ubuntu0.18.04.1 [2,933 kB]
Get:8 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libhtml-tagset-perl
all 3.20-3 [12.1 kB]
Get:9 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 liburi-perl all 1.73
-1 [77.2 kB]
Get:10 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libhtml-parser-perl
amd64 3.72-3build1 [85.9 kB]
Get:11 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libcgi-pm-perl all
4.38-1 [185 kB]
Get:12 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libfcgi-perl amd64
0.78-2build1 [32.8 kB]
Get:13 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libcgi-fast-perl al
l 1:2.13-1 [9,940 B]
Get:14 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libencode-locale-pe
rl all 1.05-1 [12.3 kB]
Get:15 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libhtml-template-pe
rl all 2.97-1 [59.0 kB]
Get:16 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libtimedate-perl al
l 2.3000-2 [37.5 kB]
Get:17 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libhttp-date-perl a
ll 6.02-1 [10.4 kB]
Get:18 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libio-html-perl all
1.001-1 [14.9 kB]
Get:19 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 liblwp-mediatypes-p
erl all 6.02-1 [21.7 kB]
Get:20 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libhttp-message-per
l all 6.14-1 [72.1 kB]
```

bangkit@kit_server: ~

```
Created symlink /etc/systemd/system/multi-user.target.wants/mysql.service → /lib/systemd/system/mysql.service.
```

```
Setting up mysql-server (5.7.29-0ubuntu0.18.04.1) ...  
Processing triggers for libc-bin (2.27-3ubuntu1) ...  
Processing triggers for systemd (237-3ubuntu10.38) ...  
Processing triggers for ureadahead (0.100.0-21) ...  
bangkit@kit_server:~$ sudo mysql_secure_installation
```

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.

VALIDATE PASSWORD PLUGIN 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 plugin?

Press y|Y for Yes, any other key for No: No
Please set the password for root here.

New password:

Re-enter new password:

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) : y
Success.

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.

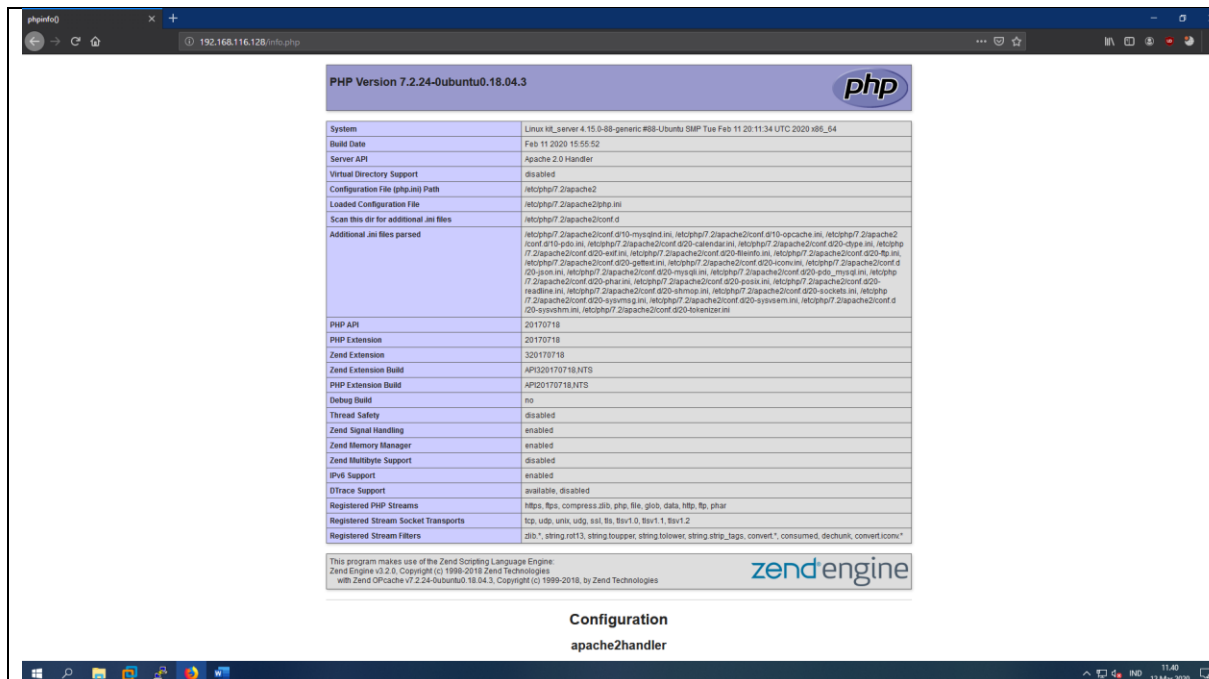
- Removing privileges on test database...
Success.

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

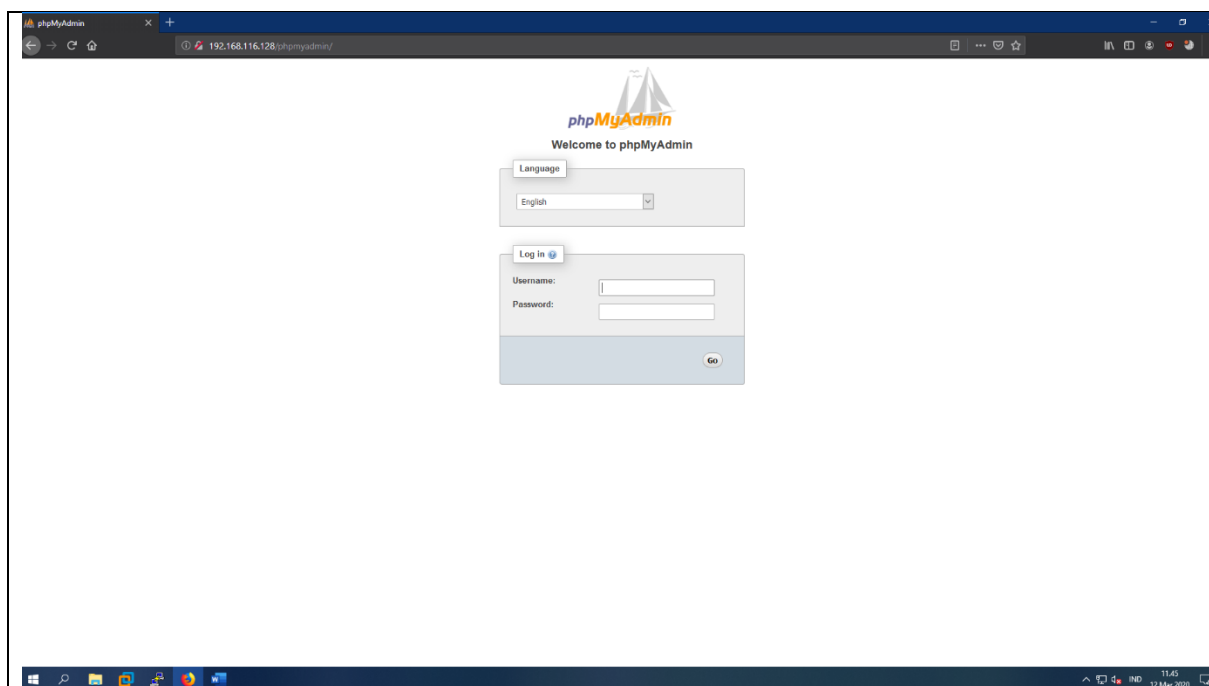
Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
Success.

All done!

5. Tampilkan keberhasilan instalasi PHP dengan cara menampilkan info.php pada browser



6. Tampilkan halaman awal dari login PHPmyAdmin pada browser



7. Deskripsikan parameter untuk memperbaiki login database (Flush Privileges)

```
$ sudo mysql -uroot
UPDATE mysql.user SET plugin =
'mysql_native_password', authentication_string =
PASSWORD('123170037') WHERE User = 'root';
```

```
FLUSH PRIVELEGES;  
exit
```

8. Tampilkan hasil login WinSCP yang menunjukkan berkas pada Ubuntu Server

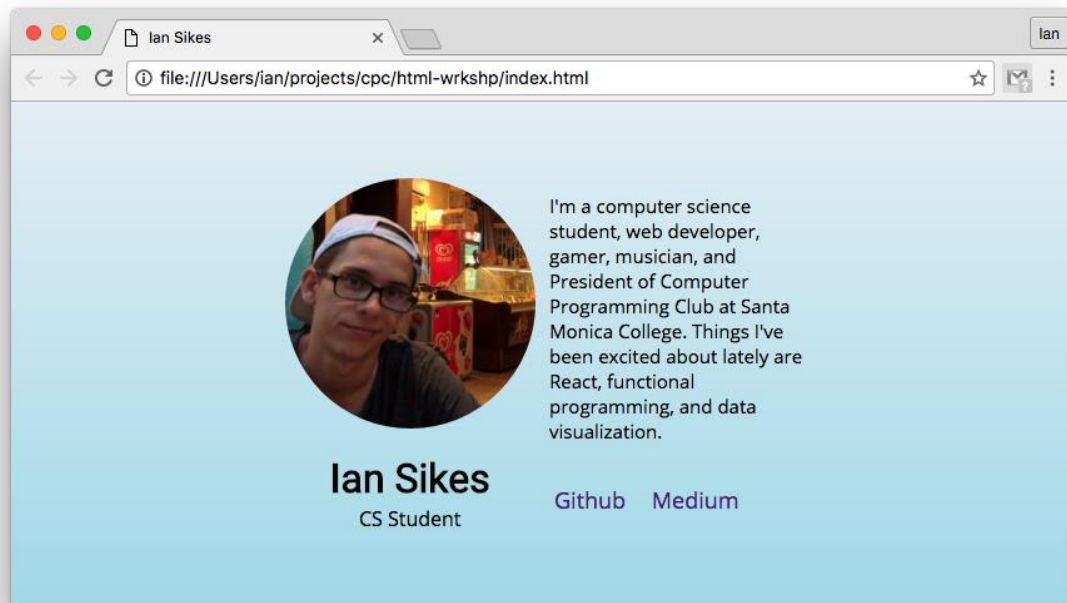
TUGAS BAGIAN KEDUA:

Khusus untuk yang telah mengerjakan tugas 000webhost:

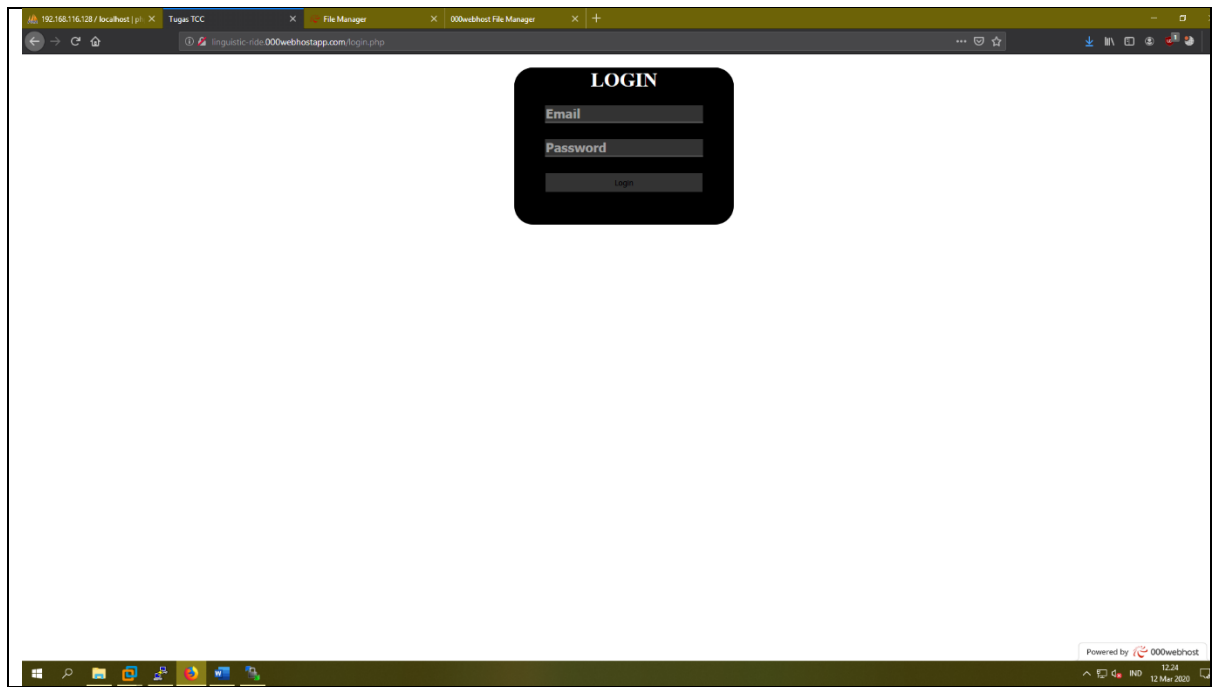
Unduh berkas PHP/HTML Rumah Makan yang tersimpan pada 000webhost Anda.

Khusus untuk yang belum mengerjakan tugas 000webhost:

Buatlah biodata/CV sederhana yang menampilkan identitas Anda menggunakan bahasa PHP/HTML dengan contoh hasil seperti pada ilustrasi berikut



LAKUKAN UNGGAH BERKAS TERSEBUT PADA UBUNTU SERVER, KEMUDIAN TAMPILKAN HASILNYA PADA BROWSER. ATUR JUGA DATABASE BILA PERLU.



TUGAS BAGIAN KETIGA:

Catatlah IP lima teman Anda secara acak pada tabel berikut, kemudian buat definisi domain untuk teman Anda dengan format: <http://www.namateman.if.upnyk.ac.id>

| No. | IP | Nama | Domain |
|-----|----------------|-----------------------|------------------------------|
| ex. | 192.168.64.250 | Wahyu Aji Nugroho | wahyu .if.upnyk.ac.id |
| | 192.168.64.245 | Muhammad Imam Alfatah | imam .if.upnyk.ac.id |
| 1. | | | .if.upnyk.ac.id |
| 2. | | | .if.upnyk.ac.id |
| 3. | | | .if.upnyk.ac.id |
| 4. | | | .if.upnyk.ac.id |
| 5. | | | .if.upnyk.ac.id |

Tampilkan hasil akses situs tersebut (menggunakan domain, bukan akses dengan IP) pada isian berikut (perlihatkan URL pada tangkapan layar):

1. Situs pertama

2. Situs kedua

3. Situs ketiga

4. Situs keempat

5. Situs kelima