



## **LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING**

### **INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)**

#### **IDENTITAS:**

Nama:	<b>Moh Eka Saputra Kiay Demak</b>
NIM:	<b>123140052</b>
Kelas:	<b>B</b>
Hari, Tanggal:	<b>12 Maret 2020</b>

#### **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
```

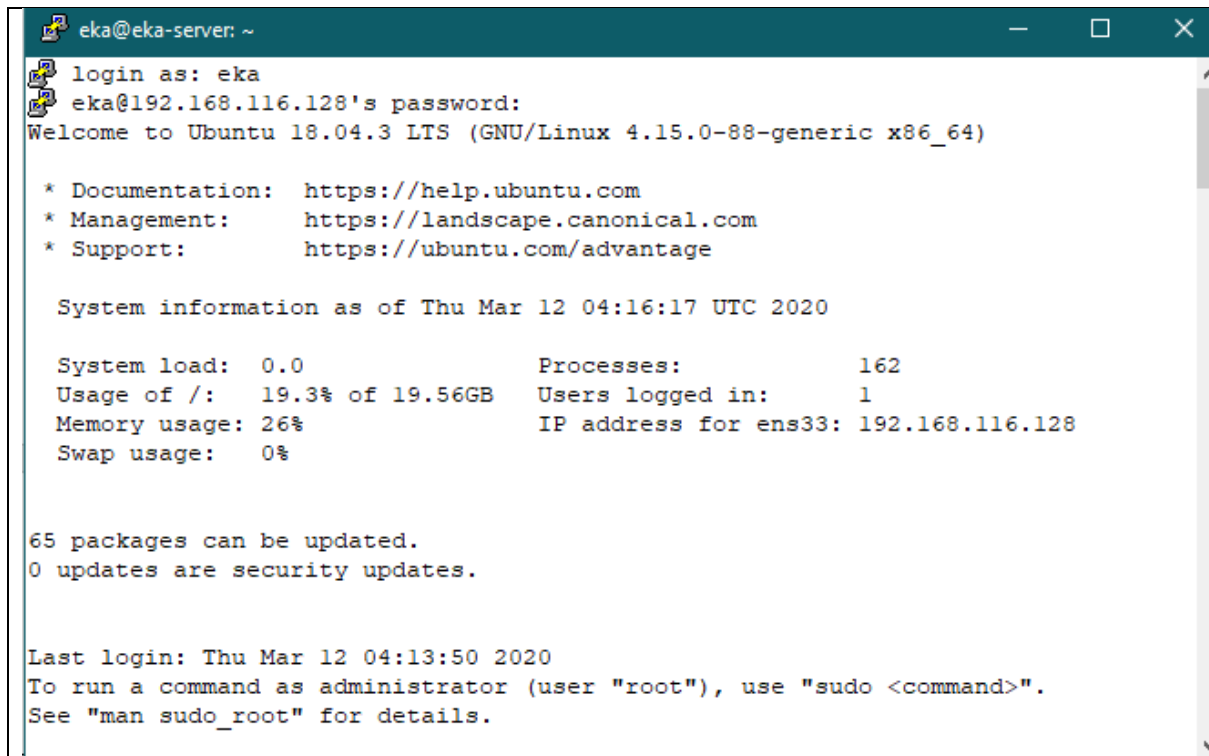
Perintah exit digunakan untuk keluar dari sesi akun aktif

3. Tampilkan pesan kesalahan pada saat login PHPMyAdmin



## **TUGAS BAGIAN PERTAMA:**

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



```
eka@eka-server: ~  
login as: eka  
eka@192.168.116.128's password:  
Welcome to Ubuntu 18.04.3 LTS (GNU/Linux 4.15.0-88-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Thu Mar 12 04:16:17 UTC 2020  
  
System load:  0.0                Processes:            162  
Usage of /:   19.3% of 19.56GB   Users logged in:     1  
Memory usage: 26%              IP address for ens33: 192.168.116.128  
Swap usage:   0%  
  
65 packages can be updated.  
0 updates are security updates.  
  
Last login: Thu Mar 12 04:13:50 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.
```

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)



## Apache2 Ubuntu Default Page

### It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

### Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|   |-- ports.conf
|-- mods-enabled
|   |-- *.load
|   |-- *.conf
|-- conf-enabled
|   |-- *.conf
|-- sites-enabled
|   |-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the listening ports for incoming connections, and this file can be customized anytime.
- Configuration files in the `mods-enabled/`, `conf-enabled/` and `sites-enabled/` directories contain particular configuration snippets which manage modules, global configuration fragments, or virtual host configurations, respectively.
- They are activated by symlinking available configuration files from their respective `*-available/` counterparts. These should be managed by using our helpers `a2enmod`, `a2dismod`, `a2ensite`, `a2dissite`, and `a2enconf`, `a2disconf`. See their respective man pages for detailed information.
- The binary is called `apache2`. Due to the use of environment variables, in the default configuration, `apache2` needs to be started/stopped with `/etc/init.d/apache2` or `apache2ctl`. **Calling `/usr/bin/apache2` directly will not work** with the default configuration.

#### 4. Tampilkan proses instalasi MySQL

```
eka@eka-server: ~  
Setting up libhtml-parser-perl (3.72-3build1) ...  
Setting up libcgi-pm-perl (4.38-1) ...  
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...  
Setting up mysql-client-core-5.7 (5.7.29-0ubuntu0.18.04.1) ...  
Setting up libfcgi-perl (0.78-2build1) ...  
Setting up libhttp-date-perl (6.02-1) ...  
Setting up libhtml-template-perl (2.97-1) ...  
Setting up mysql-server-core-5.7 (5.7.29-0ubuntu0.18.04.1) ...  
Setting up libcgi-fast-perl (1:2.13-1) ...  
Setting up libhttp-message-perl (6.14-1) ...  
Setting up mysql-client-5.7 (5.7.29-0ubuntu0.18.04.1) ...  
Setting up mysql-server-5.7 (5.7.29-0ubuntu0.18.04.1) ...  
update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (my  
.cnf) in auto mode  
Renaming removed key_buffer and myisam-recover options (if present)  
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) ...  
eka@eka-server:~$
```

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

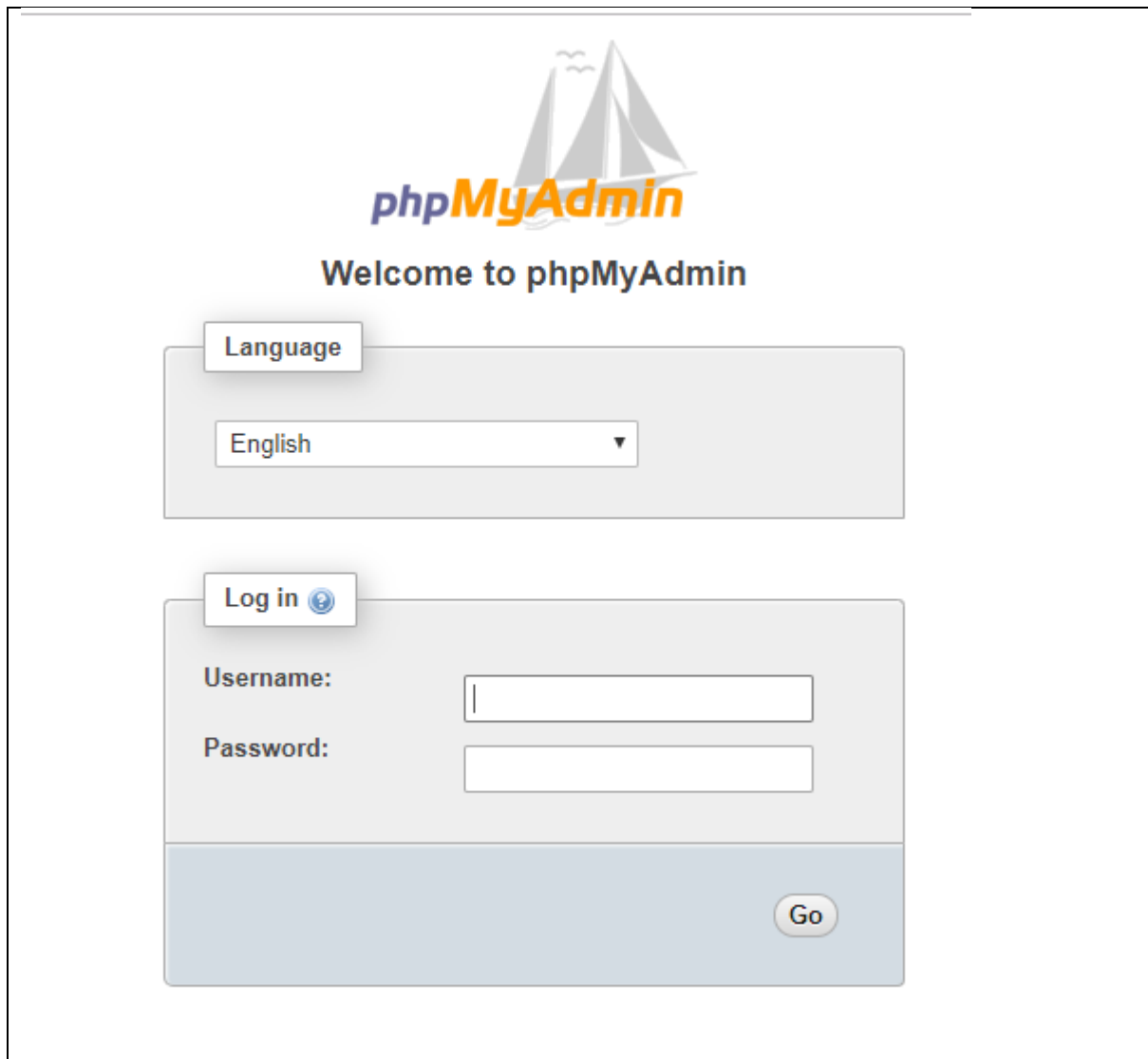


System	Linux eka-server 4.15.0-88-generic #88-Ubuntu SMP Tue Feb 11 20:11:34 UTC 2020 x86_64
Build Date	Feb 11 2020 15:55:52
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/7.2/apache2
Loaded Configuration File	/etc/php/7.2/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/7.2/apache2/conf.d
Additional .ini files parsed	/etc/php/7.2/apache2/conf.d/10-mysqld.ini, /etc/php/7.2/apache2/conf.d/10-opcache.ini, /etc/php/7.2/apache2/conf.d/10-pdo.ini, /etc/php/7.2/apache2/conf.d/20-calendar.ini, /etc/php/7.2/apache2/conf.d/20-ctype.ini, /etc/php/7.2/apache2/conf.d/20-exif.ini, /etc/php/7.2/apache2/conf.d/20-fileinfo.ini, /etc/php/7.2/apache2/conf.d/20-ftp.ini, /etc/php/7.2/apache2/conf.d/20-gettext.ini, /etc/php/7.2/apache2/conf.d/20-iconv.ini, /etc/php/7.2/apache2/conf.d/20-json.ini, /etc/php/7.2/apache2/conf.d/20-mysqli.ini, /etc/php/7.2/apache2/conf.d/20-pdo_mysql.ini, /etc/php/7.2/apache2/conf.d/20-phar.ini, /etc/php/7.2/apache2/conf.d/20-posix.ini, /etc/php/7.2/apache2/conf.d/20-readline.ini, /etc/php/7.2/apache2/conf.d/20-shmop.ini, /etc/php/7.2/apache2/conf.d/20-sockets.ini, /etc/php/7.2/apache2/conf.d/20-sysvmsg.ini, /etc/php/7.2/apache2/conf.d/20-sysvsem.ini, /etc/php/7.2/apache2/conf.d/20-sysvshm.ini, /etc/php/7.2/apache2/conf.d/20-tokenizer.ini
PHP API	20170718
PHP Extension	20170718
Zend Extension	320170718
Zend Extension Build	API320170718,NTS
PHP Extension Build	API20170718,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	disabled
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2
Registered Stream Filters	zlib.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, convert.iconv.*

This program makes use of the Zend Scripting Language Engine:  
 Zend Engine v3.2.0, Copyright (c) 1998-2018 Zend Technologies  
 with Zend OPcache v7.2.24-0ubuntu0.18.04.3, Copyright (c) 1999-2018, by Zend Technologies

zend®engine

6. Tampilkan halaman awal dari login PHPmyAdmin pada browser



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

```
$ sudo mysql -u root  
  
ATAU  
$ sudo mysql -u root -p
```

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

Documents - eka@192.168.116.128 - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize Queue Transfer Settings Default

eka@192.168.116.128 X New Session

My documents eka Find Files

Upload Edit Properties New Download Edit Properties New

C:\Users\Lab Informatika\Documents\ /home/eka/

Name	Size	Type	Changed
.		Parent directory	20 Agt 2019 20.48.35
!!SHARE!!		File folder	16 Okt 2019 10.52.01
Adobe		File folder	02 Agt 2019 22.14.46
ArcGIS		File folder	30 Jul 2019 17.31.41
Arduino		File folder	30 Jul 2019 17.46.19
Corel		File folder	02 Agt 2019 22.06.44
Fritzing		File folder	30 Jul 2019 19.35.24
GIS DataBase		File folder	29 Jul 2019 16.12.30
Journals		File folder	20 Agt 2019 20.48.35
Leapdroid		File folder	18 Agt 2019 21.05.30
MATLAB		File folder	30 Jul 2019 16.33.13
My Shapes		File folder	29 Jul 2019 11.09.16
Navicat		File folder	31 Jul 2019 09.22.55
NetBeansProjects		File folder	29 Jul 2019 15.20.58
EasyBCD Backup (201...	44 KB	BCD File	26 Jul 2019 10.04.02
symbology-style.db	388 KB	Data Base File	30 Jul 2019 17.02.48

Name	Size	Changed	Rights	Own
..		12 Mar 2020 11.10.46	rwor-xr-x	root

0 B of 432 KB in 0 of 15 5 hidden 0 B of 0 B in 0 of 0 6 hidd

SFTP-3 0.00.38



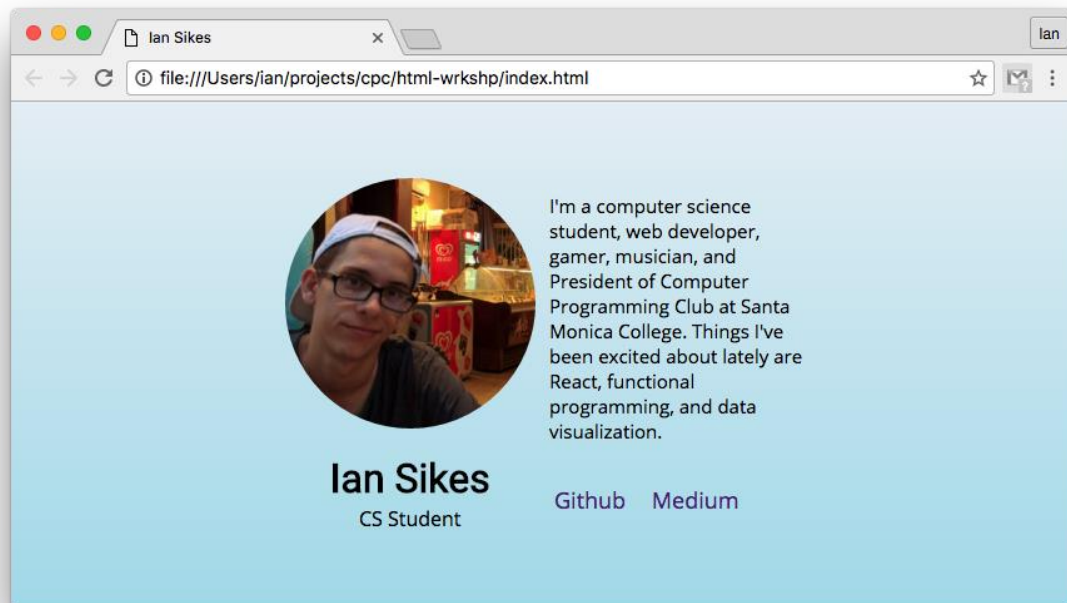
## TUGAS BAGIAN KEDUA:

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.

Not secure   192.168.116.128/biodata.html																					
	<table><tr><td><b>Nama Lengkap</b></td><td>: Moh Eka Saputra Kiay Demak</td></tr><tr><td><b>Nama Panggilan</b></td><td>: Eka</td></tr><tr><td><b>Tempat, Tanggal Lahir</b></td><td>: Manado , 12 agustus 1995</td></tr><tr><td><b>Umur</b></td><td>: 24 Tahun</td></tr><tr><td><b>Jenis Kelamin</b></td><td>: Laki - Laki</td></tr><tr><td><b>Gol. Darah</b></td><td>: O</td></tr><tr><td><b>Agama</b></td><td>: Islam</td></tr><tr><td><b>Pekerjaan</b></td><td>: Mahasiswa</td></tr><tr><td><b>Kewarganegaraan</b></td><td>: Indonesia</td></tr><tr><td><b>Riwayat</b></td><td>: Ingin Tahu Riwayatku ? <input type="button" value="Cari tahu ?"/></td></tr></table>	<b>Nama Lengkap</b>	: Moh Eka Saputra Kiay Demak	<b>Nama Panggilan</b>	: Eka	<b>Tempat, Tanggal Lahir</b>	: Manado , 12 agustus 1995	<b>Umur</b>	: 24 Tahun	<b>Jenis Kelamin</b>	: Laki - Laki	<b>Gol. Darah</b>	: O	<b>Agama</b>	: Islam	<b>Pekerjaan</b>	: Mahasiswa	<b>Kewarganegaraan</b>	: Indonesia	<b>Riwayat</b>	: Ingin Tahu Riwayatku ? <input type="button" value="Cari tahu ?"/>
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<b>Kewarganegaraan</b>	: Indonesia																				
<b>Riwayat</b>	: Ingin Tahu Riwayatku ? <input type="button" value="Cari tahu ?"/>																				

### **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	<b>wahyu</b> .if.upnyk.ac.id
	192.168.64.245	Muhammad Imam Alfatah	<b>imam</b> .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