



LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)

IDENTITAS:

| | |
|----------------|--------------------------------------|
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| NIM: | 123170003 |
| Kelas: | E |
| Hari, Tanggal: | 19 Februari 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
```

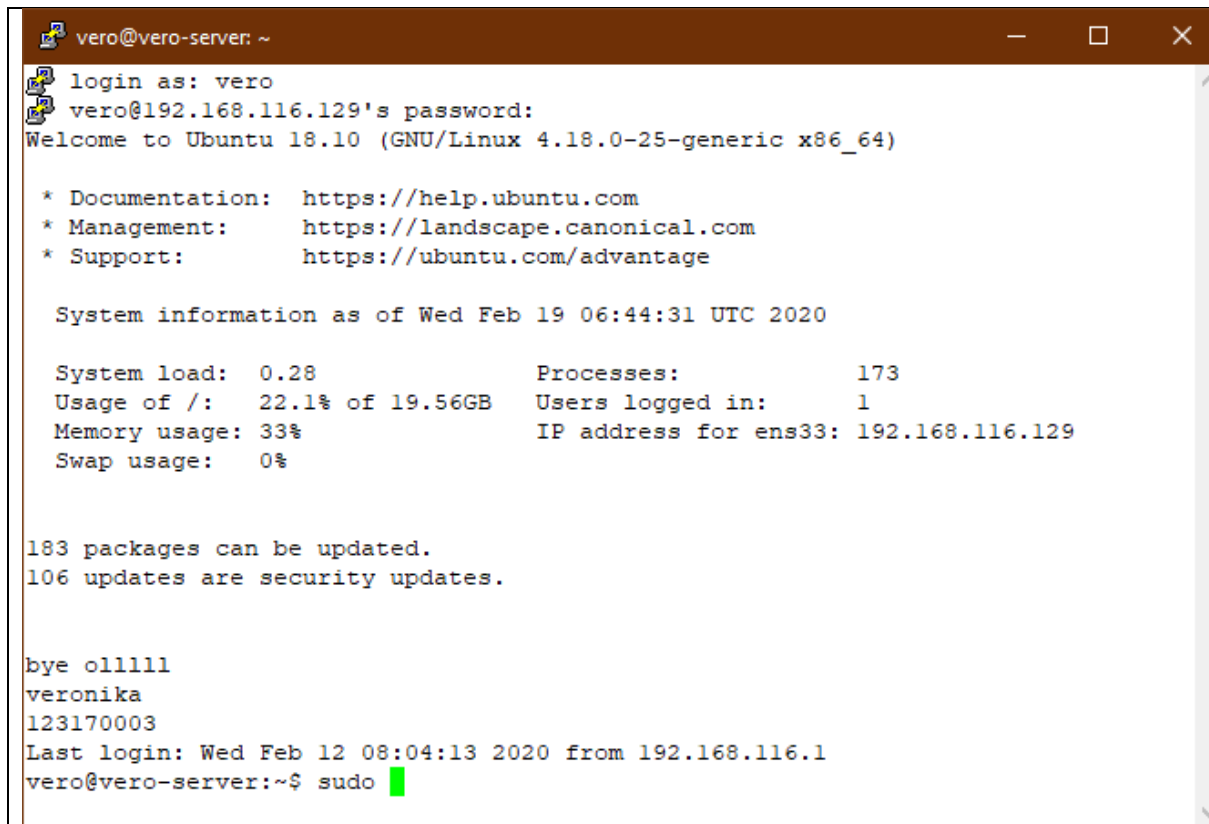
Perintah exit digunakan untuk keluar dari sesi akun aktif

3. Tampilkan pesan kesalahan pada saat login PHPMyAdmin



TUGAS BAGIAN PERTAMA:

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



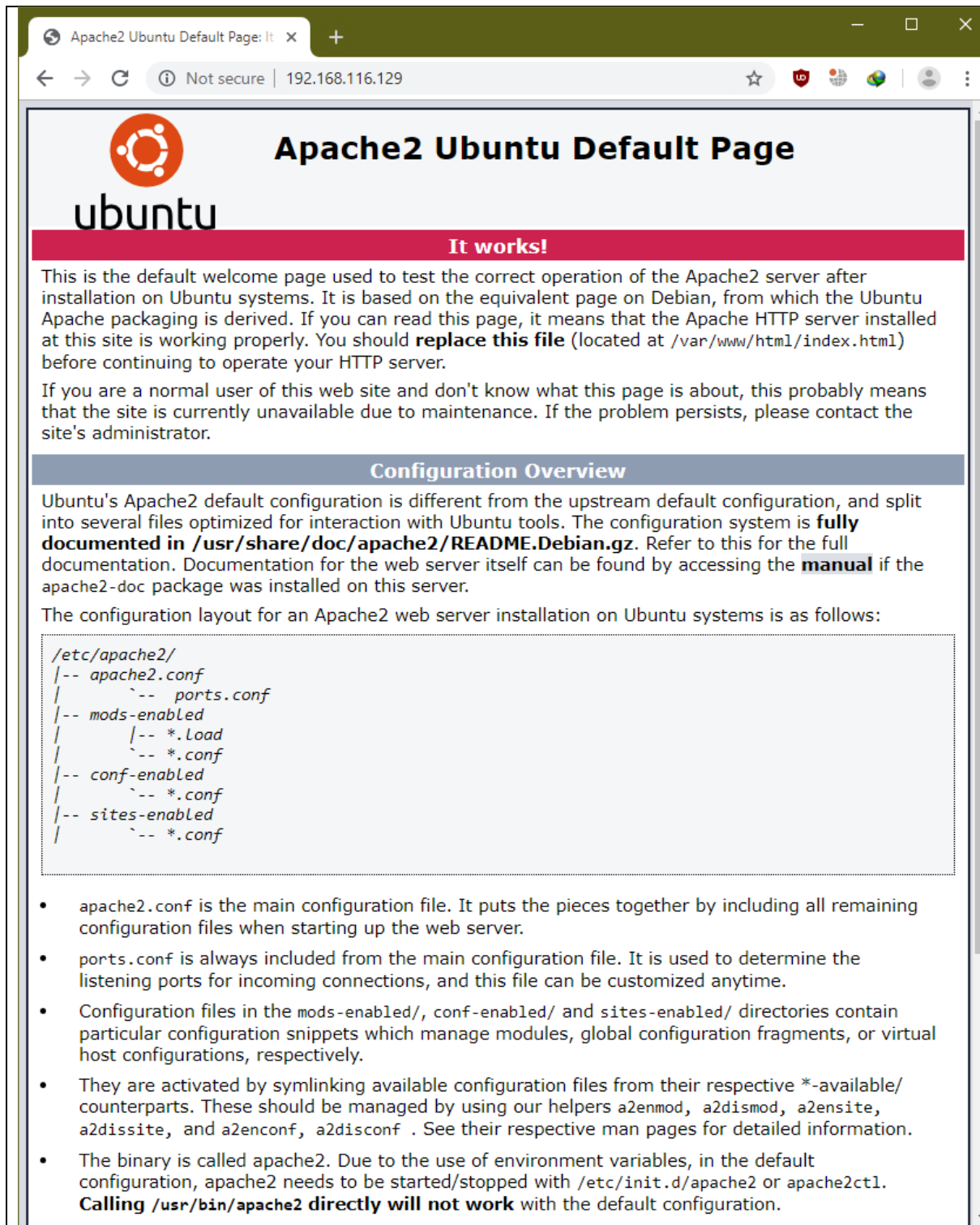
```
vero@vero-server: ~  
login as: vero  
vero@192.168.116.129's password:  
Welcome to Ubuntu 18.10 (GNU/Linux 4.18.0-25-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Wed Feb 19 06:44:31 UTC 2020  
  
System load:  0.28           Processes:            173  
Usage of /:   22.1% of 19.56GB Users logged in:       1  
Memory usage: 33%           IP address for ens33: 192.168.116.129  
Swap usage:   0%  
  
183 packages can be updated.  
106 updates are security updates.  
  
bye o1lllll  
veronika  
123170003  
Last login: Wed Feb 12 08:04:13 2020 from 192.168.116.1  
vero@vero-server:~$ sudo
```

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

```
$ ifconfig
```

Perintah ifconfig berfungsi untuk menampilkan alamat IP dari server

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



Apache2 Ubuntu Default Page: It works!

192.168.116.129

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

```
vero@vero-server: ~  
Estimated strength of the password: 50  
Do you wish to continue with the password provided? (Press y|Y for Yes, any other  
key for No) : y  
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!  
vero@vero-server:~$
```

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

Apache2 Ubuntu Default Page: It

phpinfo()

+


← → ↺

Not secure | 192.168.116.129/info.php

☆

LD

PHP Version 7.2.19-0ubuntu0.18.10.1




| | |
|---|--|
| System | Linux vero-server 4.18.0-25-generic #26-Ubuntu SMP Mon Jun 24 09:32:08 UTC 2019 x86_64 |
| Build Date | Jun 4 2019 14:46:43 |
| 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

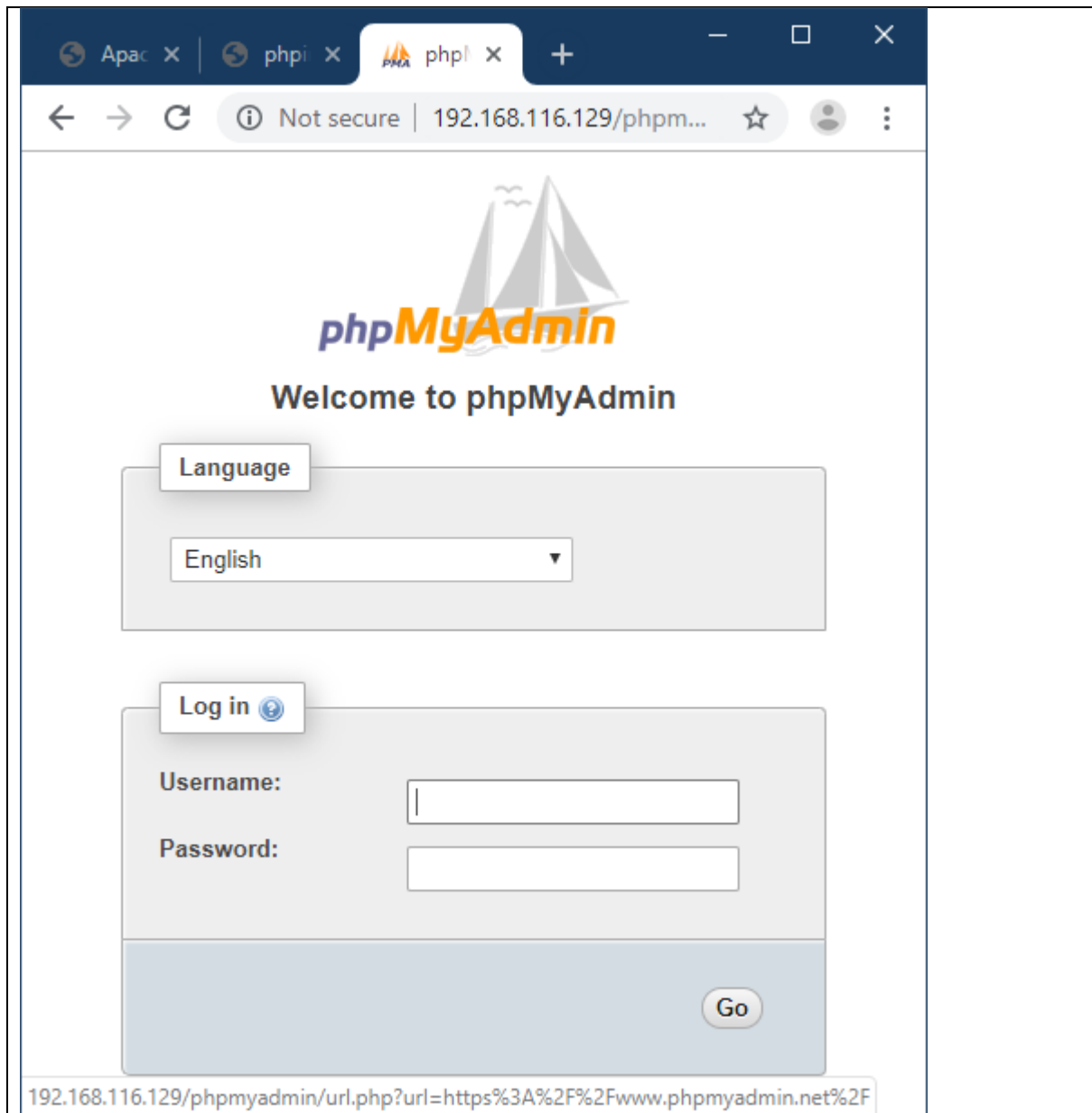
with Zend OPcache v7.2.19-0ubuntu0.18.10.1, Copyright (c) 1999-2018, by Zend Technologies



Configuration

apache2handler

6. Tampilkan halaman awal dari login PHPmyAdmin pada browser



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

```
$ sudo mysql -u root

Mysql> UPDATE mysql.user SET plugin =
'mysql_native_password',authentication_string =
PASSWORD('KATA_SANDI_ROOT_USER') WHERE User = 'root';

Mysql> FLUSH PRIVILEGES;
```

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

Documents - vero@192.168.116.129 - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize Queue Transfer Settings Default

vero@192.168.116.129 X New Session

My documents Upload Edit Properties New Download Edit Properties New Find Files

C:\Users\Lab Informatika\Documents\ /

| Name | Size | Type | Changed | Name | Size | Changed | Rights | Owner |
|------------------------|--------|------------------|----------------------|------|------|---------|--------|-------|
| .. | | Parent directory | 20 Agt 2019 20.48.35 | | | | | |
| !!SHARE!! | | File folder | 16 Okt 2019 10.50.02 | | | | | |
| 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 | | | | | |

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

WebDAV 0.04.23

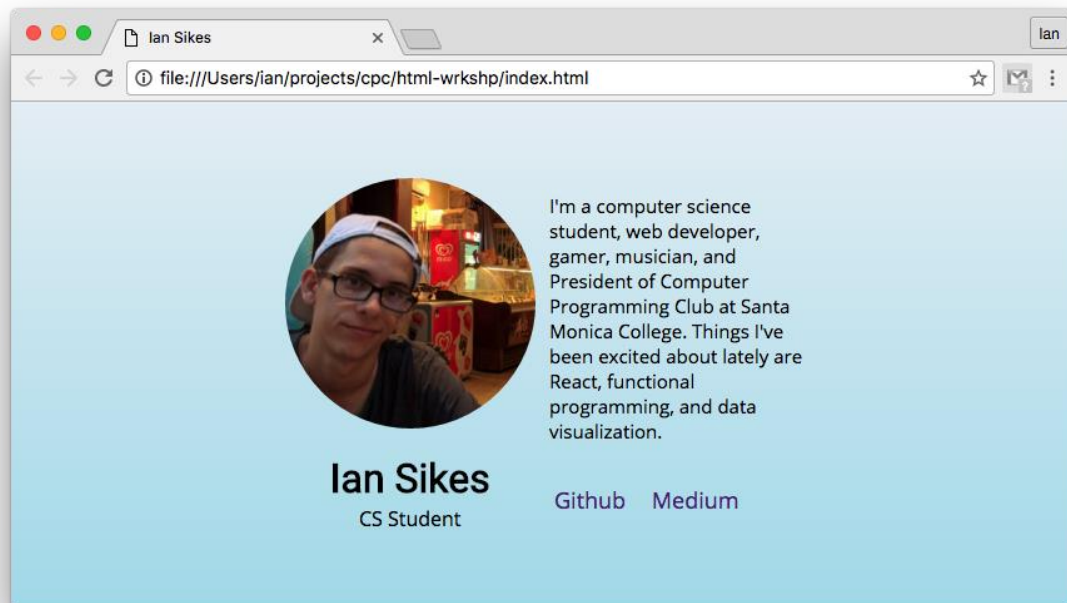
TUGAS BAGIAN KEDUA:

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.

(tampilan situs pada browser)

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