



LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)

IDENTITAS:

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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:

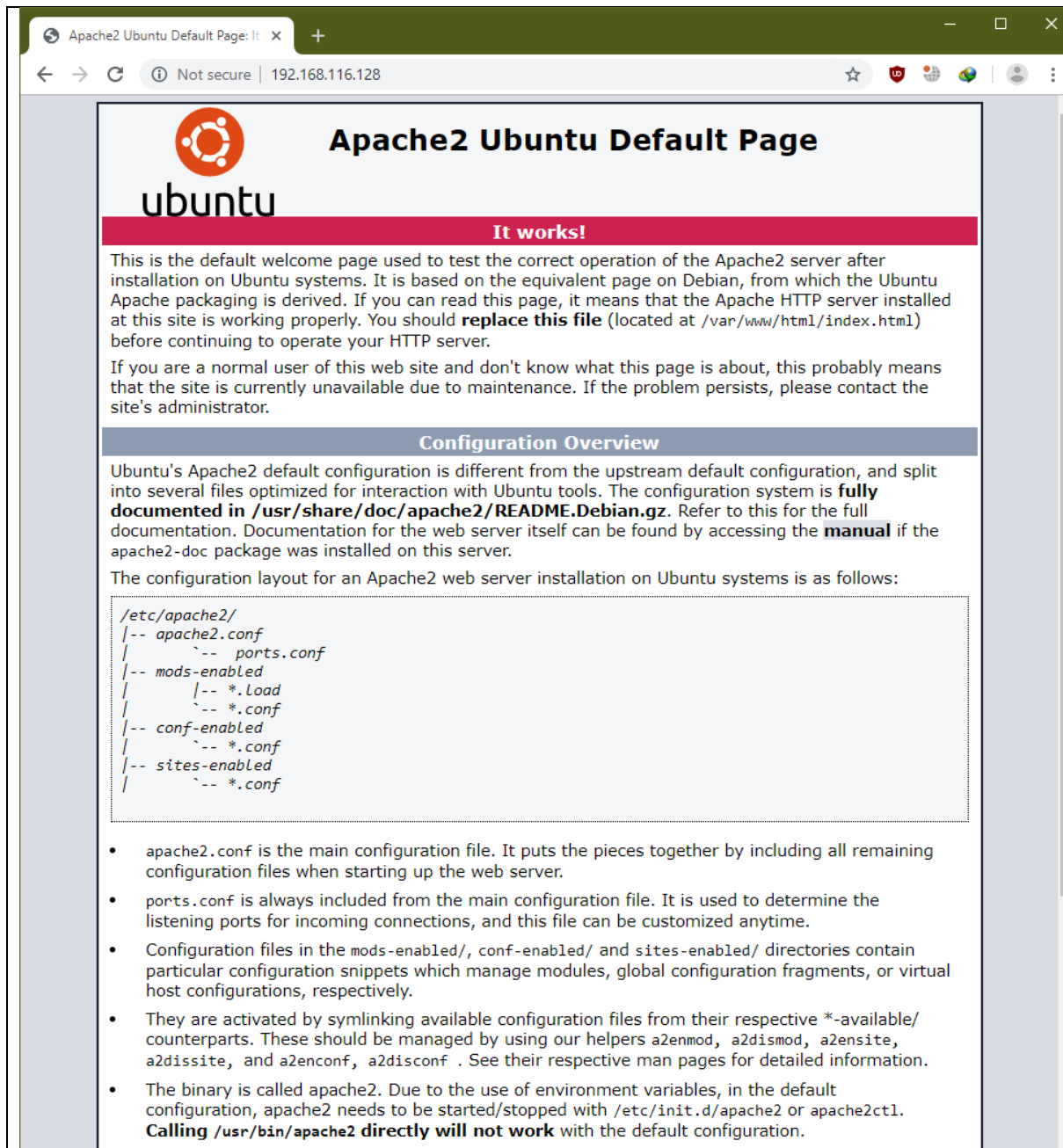
1. Tampilan hasil login Server Ubuntu pada PuTTY (tampilan dashboard/motd)

```
ed@ed-server: ~  
login as: ed  
ed@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 04:19:00 UTC 2020  
  
System load:  0.15           Processes:            197  
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 04:18:05 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
ed@ed-server:~$ sudo spt update  
[sudo] password for ed:  
sudo: spt: command not found  
ed@ed-server:~$ sudo apt update  
Hit:1 http://id.archive.ubuntu.com/ubuntu bionic InRelease  
Hit:2 http://id.archive.ubuntu.com/ubuntu bionic-updates InRelease  
Hit:3 http://id.archive.ubuntu.com/ubuntu bionic-backports InRelease  
Hit:4 http://id.archive.ubuntu.com/ubuntu bionic-security InRelease  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
65 packages can be upgraded. Run 'apt list --upgradable' to see them.  
ed@ed-server:~$ sudo apt install apache2  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.2-0  
  ssl-cert  
Suggested packages:  
  www-browser apache2-doc apache2-suexec-pristine | apache2-suexec-custom openssl-blacklist  
The following NEW packages will be installed:  
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap  
  liblua5.2-0 ssl-cert  
0 upgraded, 10 newly installed, 0 to remove and 65 not upgraded.  
Need to get 1,729 kB of archives.  
After this operation, 6,986 kB 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 libapr1 amd64 1.6.3-2 [90.9 kB]  
Get:2 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libaprutil1 amd64 1.6.1-2 [84.4 kB]  
Get:3 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.1-2 [10.6 kB]  
Get:4 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libaprutil1-ldap amd64 1.6.1-2 [8,764 B]  
Get:5 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 liblua5.2-0 amd64 5.2.4-1.1build1 [108 kB]  
Get:6 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2-bin amd64 2.4.29-lubuntu4.12 [1,071 kB]  
Get:7 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2-utils amd64 2.4.29-lubuntu4.12 [83.5 kB]  
Get:8 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2-data all 2.4.29-lubuntu4.12 [160 kB]  
Get:9 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 apache2 amd64 2.4.29-lubuntu4.12 [95.1 kB]  
Get:10 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 ssl-cert all 1.0.39 [17.0 kB]
```

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[\$ sudo apt install mysql-server]


```
ed@ed-server: ~  
Enabling module deflate.  
Enabling module status.  
Enabling module reqtimeout.  
Enabling conf charset.  
Enabling conf localized-error-pages.  
Enabling conf other-vhosts-access-log.  
Enabling conf security.  
Enabling conf serve-cgi-bin.  
Enabling site 000-default.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.  
Processing triggers for libc-bin (2.27-3ubuntu1) ...  
Processing triggers for systemd (237-3ubuntu10.38) ...  
Processing triggers for ureadahead (0.100.0-21) ...  
Processing triggers for ufw (0.36-0ubuntu0.18.04.1) ...  
ed@ed-server:~$ ifconfig  
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 192.168.116.128 netmask 255.255.255.0 broadcast 192.168.116.255  
    inet6 fe80::20c:29ff:feb0:6cae prefixlen 64 scopeid 0x20<link>  
    ether 00:0c:29:b0:6c:ae txqueuelen 1000 (Ethernet)  
    RX packets 2335 bytes 2451816 (2.4 MB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 1230 bytes 132026 (132.0 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
    inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
    RX packets 116 bytes 9772 (9.7 KB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 116 bytes 9772 (9.7 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
ed@ed-server:~$ ^C  
ed@ed-server:~$ ^C  
ed@ed-server:~$ sudo apt install mysql-server  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  libaio1 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 tinycal  
The following NEW packages will be installed:  
  libaio1 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 libaio1 amd64 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]  
11% [3 mysql-client-core-5.7 2,251 kB/6,642 kB 34%] 217 kB/s 1min 20s
```

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

phpinfo()
Perintah Dasar Linux | Blog Dewa


Not secure | 192.168.116.128/info.php

PHP Version 7.2.24-0ubuntu0.18.04.3



System	Linux ed-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.*

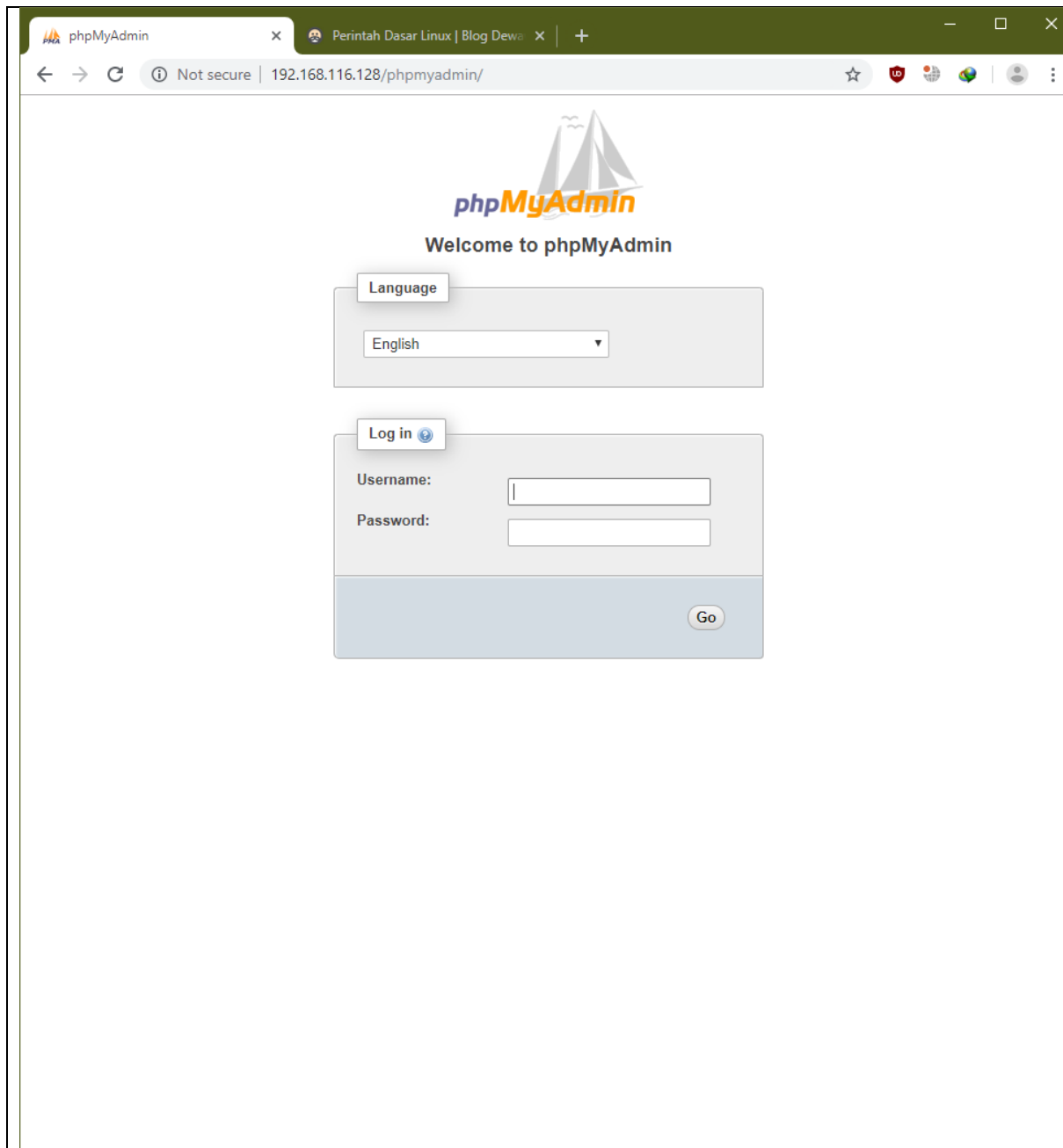
This program makes use of the Zend Scripting Language Engine:
 Zend Engine v3.2.0, Copyright (c) 1998-2018 Zend Technologies
 with Zend OPcache v7.2.24-0ubuntu0.18.04.3, Copyright (c) 1999-2018, by Zend Technologies



Configuration

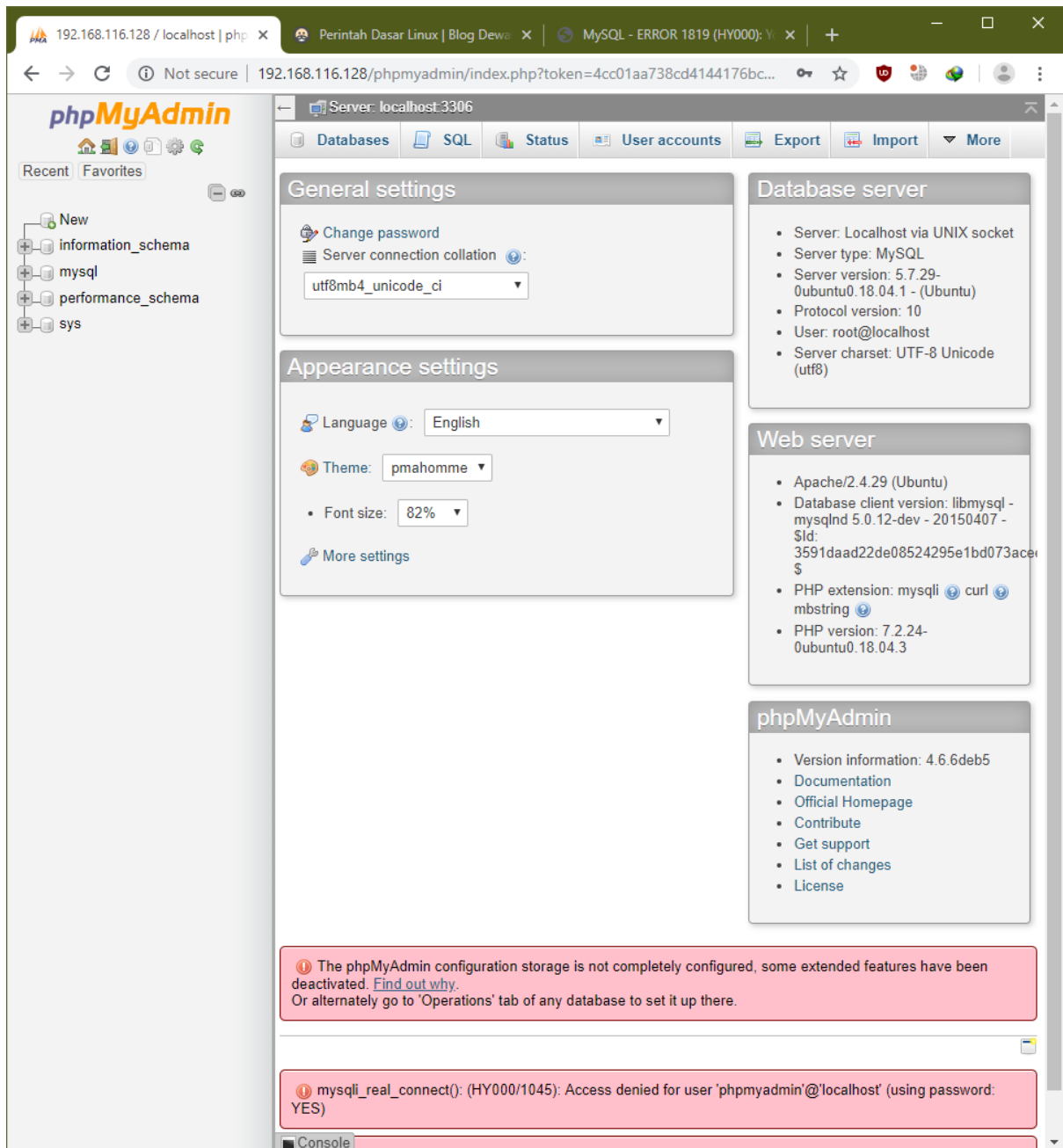
apache2handler

6. Tampilkan halaman awal dari login PHPmyAdmin pada browser

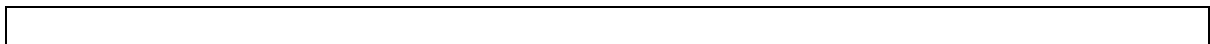


7. Deskripsikan parameter untuk memperbaiki login database (Flush Privileges)

```
$ sudo mysql -u root
$ UPDATE mysql.user SET plugin = 'mysql_native_password',
authentication_string = PASSWORD('ed') WHERE User = 'root';
$ FLUSH PRIVILEGES;
```



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



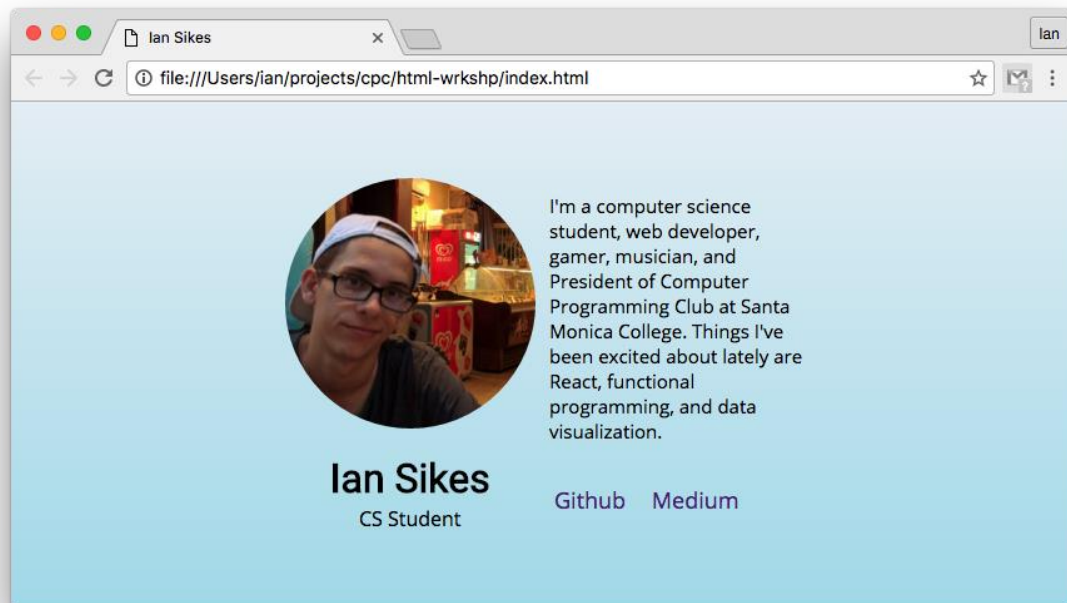
TUGAS BAGIAN KEDUA:

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.

(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