

LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)

IDENTITAS:

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Kelas:	A
Hari, Tanggal:	Kamis, 20 Februari 2020

CONTOH ISIAN:

1. Tampilkan hasil login pada Ubuntu Server dengan menggunakan PuTTY

```
💤 root@eternal-loops: ~
                                                                          П
                                                                                ×
📥 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
               https://landscape.canonical.com
https://ubuntu.com/advantage
 * Management:
 * Support:
 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:
 Memory usage: 78%
                                   IP address for ens3: 45.76.145.117
  Swap usage:
 * 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)

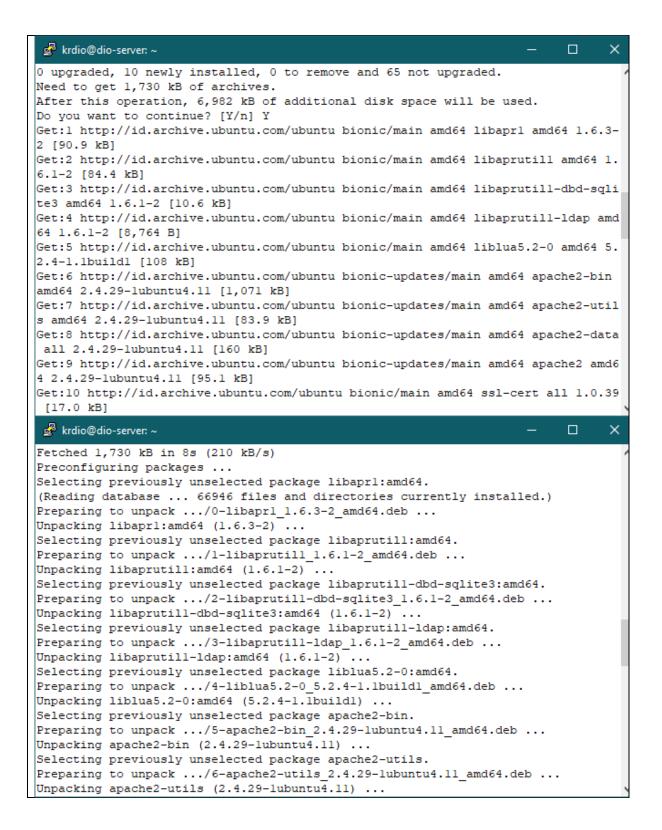


2. Deskripsikan parameter atau cara untuk mendapatkan IP dari Server Ubuntu

```
$ IP address for ens33: 192.168.116.128
```

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

```
🧬 krdio@dio-server: ~
                                                                          krdio@dio-server:~$ sudo apt update
[sudo] password for krdio:
Hit: | http://id.archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://id.archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://id.archive.ubuntu.com/ubuntu bionic-backports InRelease [74.6 kB]
Get:4 http://id.archive.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Fetched 252 kB in 3s (82.3 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
65 packages can be upgraded. Run 'apt list --upgradable' to see them.
krdio@dio-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 libaprl libaprutill
  libaprutill-dbd-sqlite3 libaprutill-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 libaprl libaprutill
  libaprutill-dbd-sqlite3 libaprutill-ldap liblua5.2-0 ssl-cert
```



```
krdio@dio-server: ~
                                                                          ×
Selecting previously unselected package apache2-data.
Preparing to unpack .../7-apache2-data_2.4.29-lubuntu4.11_all.deb ...
Unpacking apache2-data (2.4.29-lubuntu4.11) ...
Selecting previously unselected package apache2.
Preparing to unpack .../8-apache2 2.4.29-lubuntu4.11 amd64.deb ...
Unpacking apache2 (2.4.29-lubuntu4.11) ...
Selecting previously unselected package ssl-cert.
Preparing to unpack .../9-ssl-cert 1.0.39 all.deb ...
Unpacking ssl-cert (1.0.39) ...
Setting up libaprl:amd64 (1.6.3-2) ...
Processing triggers for ufw (0.36-Oubuntu0.18.04.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
Setting up apache2-data (2.4.29-lubuntu4.11) ...
Setting up ssl-cert (1.0.39) ...
Processing triggers for libc-bin (2.27-3ubuntul) ...
Setting up libaprutill:amd64 (1.6.1-2) ...
Processing triggers for systemd (237-3ubuntul0.38) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Setting up liblua5.2-0:amd64 (5.2.4-1.1build1) ...
Setting up libaprutill-ldap:amd64 (1.6.1-2) ...
Setting up libaprutill-dbd-sqlite3:amd64 (1.6.1-2) ...
Setting up apache2-utils (2.4.29-lubuntu4.11) ...
Setting up apache2-bin (2.4.29-lubuntu4.11) ...
Setting up apache2 (2.4.29-lubuntu4.11) ...
krdio@dio-server: ~
                                                                          ×
Enabling module mpm event.
Enabling module authz core.
Enabling module authz host.
Enabling module authn core.
Enabling module auth basic.
Enabling module access compat.
Enabling module authn file.
Enabling module authz user.
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
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.
```

```
krdio@dio-server: ~
                                                                          ×
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
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 → /l
ib/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 (2.27-3ubuntul) ...
Processing triggers for systemd (237-3ubuntul0.38) ...
Processing triggers for ureadahead (0.100.0-21) ...
Processing triggers for ufw (0.36-Oubuntu0.18.04.1) ...
krdio@dio-server:~$
```

4. Tampilkan proses instalasi MySQL

```
krdio@dio-server: ~
                                                                         П
                                                                               ×
krdio@dio-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
```

```
krdio@dio-server: ~
                                                                         ×
+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-4buildl [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:ll 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
krdio@dio-server: ~
                                                                               X
                                                                         \Box
1 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
1 2.3000-2 [37.5 kB]
Get:17 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 libhttp-date-perl a
11 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]
Get:21 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 mysql-serve
r all 5.7.29-0ubuntu0.18.04.1 [9,944 B]
Fetched 19.7 MB in 1min 22s (240 kB/s)
Preconfiguring packages ...
Selecting previously unselected package mysql-common.
(Reading database ... 67661 files and directories currently installed.)
Preparing to unpack .../0-mysql-common 5.8+1.0.4 all.deb ...
Unpacking mysql-common (5.8+1.0.4) ...
Selecting previously unselected package libaiol:amd64.
```

```
krdio@dio-server: ~
                                                                         ×
Preparing to unpack .../1-libaiol 0.3.110-5ubuntu0.1 amd64.deb ...
Unpacking libaiol:amd64 (0.3.110-5ubuntu0.1) ...
Selecting previously unselected package mysql-client-core-5.7.
Preparing to unpack .../2-mysql-client-core-5.7_5.7.29-0ubuntu0.18.04.1_amd64.de
b ...
Unpacking mysql-client-core-5.7 (5.7.29-0ubuntu0.18.04.1) ...
Selecting previously unselected package mysql-client-5.7.
Preparing to unpack .../3-mysql-client-5.7 5.7.29-0ubuntu0.18.04.1 amd64.deb ...
Unpacking mysql-client-5.7 (5.7.29-0ubuntu0.18.04.1) ...
Selecting previously unselected package mysql-server-core-5.7.
Preparing to unpack .../4-mysql-server-core-5.7 5.7.29-0ubuntu0.18.04.1 amd64.de
b ...
Unpacking mysql-server-core-5.7 (5.7.29-0ubuntu0.18.04.1) ...
Selecting previously unselected package libevent-core-2.1-6:amd64.
Preparing to unpack .../5-libevent-core-2.1-6 2.1.8-stable-4buildl amd64.deb ...
Unpacking libevent-core-2.1-6:amd64 (2.1.8-stable-4build1) ...
Setting up mysql-common (5.8+1.0.4) ...
update-alternatives: using /etc/mysql/my.cnf.fallback to provide /etc/mysql/my.c
nf (my.cnf) in auto mode
Selecting previously unselected package mysql-server-5.7.
(Reading database ... 67829 files and directories currently installed.)
Preparing to unpack .../00-mysql-server-5.7_5.7.29-0ubuntu0.18.04.1_amd64.deb ..
Unpacking mysql-server-5.7 (5.7.29-0ubuntu0.18.04.1) ...
krdio@dio-server: ~
                                                                         ×
Selecting previously unselected package libhtml-tagset-perl.
Preparing to unpack .../01-libhtml-tagset-perl 3.20-3 all.deb ...
Unpacking libhtml-tagset-perl (3.20-3) ...
Selecting previously unselected package liburi-perl.
Preparing to unpack .../02-liburi-perl 1.73-1 all.deb ...
Unpacking liburi-perl (1.73-1) ...
Selecting previously unselected package libhtml-parser-perl.
Preparing to unpack .../03-libhtml-parser-perl 3.72-3buildl amd64.deb ...
Unpacking libhtml-parser-perl (3.72-3buildl) ...
Selecting previously unselected package libcgi-pm-perl.
Preparing to unpack .../04-libcgi-pm-perl_4.38-l_all.deb ...
Unpacking libcgi-pm-perl (4.38-1) ...
Selecting previously unselected package libfcgi-perl.
Preparing to unpack .../05-libfcgi-perl 0.78-2buildl amd64.deb ...
Unpacking libfcgi-perl (0.78-2buildl) ...
Selecting previously unselected package libcgi-fast-perl.
Preparing to unpack .../06-libcgi-fast-perl_1%3a2.13-1_all.deb ...
Unpacking libcgi-fast-perl (1:2.13-1) ...
Selecting previously unselected package libencode-locale-perl.
Preparing to unpack .../07-libencode-locale-perl 1.05-1 all.deb ...
Unpacking libencode-locale-perl (1.05-1) ...
Selecting previously unselected package libhtml-template-perl.
Preparing to unpack .../08-libhtml-template-perl 2.97-1 all.deb ...
Unpacking libhtml-template-perl (2.97-1) ...
```

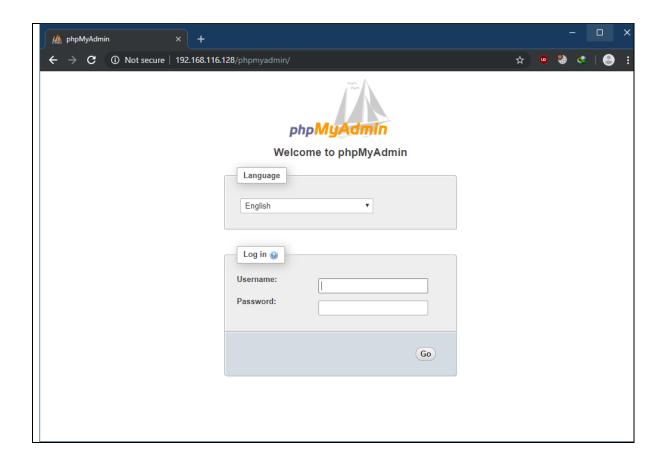
```
🦧 krdio@dio-server: ~
                                                                         ×
Selecting previously unselected package libtimedate-perl.
Preparing to unpack .../09-libtimedate-perl 2.3000-2 all.deb ...
Unpacking libtimedate-perl (2.3000-2) ...
Selecting previously unselected package libhttp-date-perl.
Preparing to unpack .../10-libhttp-date-perl_6.02-l_all.deb ...
Unpacking libhttp-date-perl (6.02-1) ...
Selecting previously unselected package libio-html-perl.
Preparing to unpack .../ll-libio-html-perl 1.001-1 all.deb ...
Unpacking libio-html-perl (1.001-1) ...
Selecting previously unselected package liblwp-mediatypes-perl.
Preparing to unpack .../12-liblwp-mediatypes-perl 6.02-1 all.deb ...
Unpacking liblwp-mediatypes-perl (6.02-1) ...
Selecting previously unselected package libhttp-message-perl.
Preparing to unpack .../13-libhttp-message-perl_6.14-1_all.deb ...
Unpacking libhttp-message-perl (6.14-1) ...
Selecting previously unselected package mysql-server.
Preparing to unpack .../14-mysql-server 5.7.29-0ubuntu0.18.04.1 all.deb ...
Unpacking mysql-server (5.7.29-Oubuntu0.18.04.1) ...
Setting up libhtml-tagset-perl (3.20-3) ...
Setting up libevent-core-2.1-6:amd64 (2.1.8-stable-4build1) ...
Processing triggers for ureadahead (0.100.0-21) ...
Setting up libencode-locale-perl (1.05-1) ...
Setting up libtimedate-perl (2.3000-2) ...
Setting up libio-html-perl (1.001-1) ...
krdio@dio-server: ~
                                                                         ×
Setting up liblwp-mediatypes-perl (6.02-1) ...
Processing triggers for libc-bin (2.27-3ubuntul) ...
Setting up libaiol:amd64 (0.3.110-5ubuntu0.1) ...
Setting up liburi-perl (1.73-1) ...
Processing triggers for systemd (237-3ubuntul0.38) ...
Setting up libhtml-parser-perl (3.72-3buildl) ...
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-OubuntuO.18.04.1) ...
Setting up libfcgi-perl (0.78-2buildl) ...
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 (2.27-3ubuntul) ...
```

```
🧖 krdio@dio-server: ~
                                                                          ×
Setting up libhtml-parser-perl (3.72-3buildl) ...
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 (0.78-2buildl) ...
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 (2.27-3ubuntul) ...
Processing triggers for systemd (237-3ubuntul0.38) ...
Processing triggers for ureadahead (0.100.0-21) ...
krdio@dio-server:~$
```

5. Tampilkan keberhasilan instalasi PHP dengan cara menampilkan <u>info.php</u> pada browser



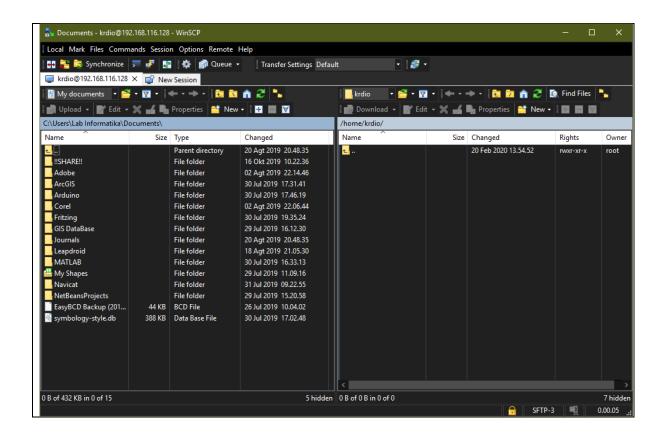
6. Tampilkan halaman awal dari login PHPmyAdmin pada browser



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

```
$ UPDATE mysql.user SET plugin =
'mysql_native_password',authentication_string =
PASSWORD('123170033') WHERE User = 'root';
FLUSH PRIVILEGES; // Untuk merefres database
```

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

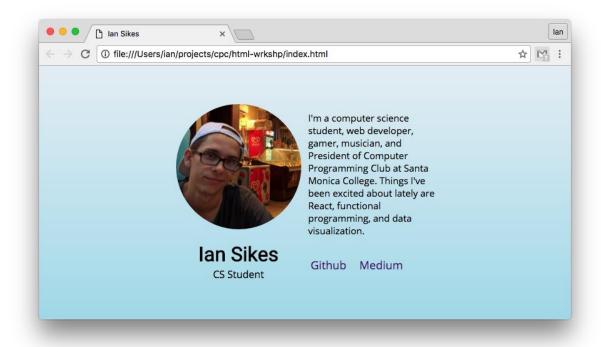


TUGAS BAGIAN KEDUA:

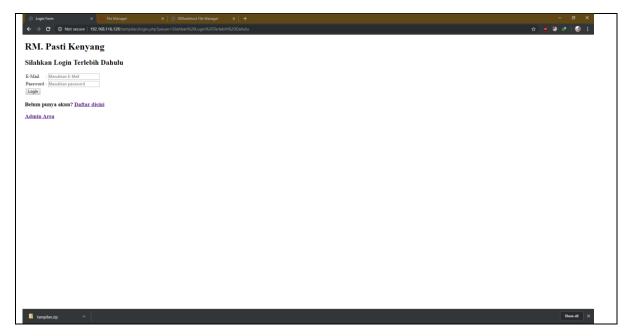
K3husus untuk yang telah mengerjakan tugas 000webhost:

Unduh berkas PHP/HTML Rumah Makan yang tersimpan pada 000webhost Anda. Khusus untuk yang <u>belum</u> 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.



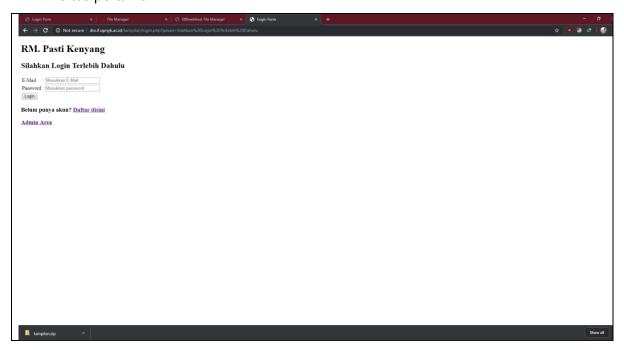
TUGAS BAGIAN KETIGA:

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
0),	192.168.64.250	Wahyu Aji Nugroho	wahyu.if.upnyk.ac.id
ex.	192.168.64.245	Muhammad Imam Alfatah	imam.if.upnyk.ac.id
1.	192.168.116.128	Dio Cahyo Saputra	dio.if.upnyk.ac.id/tampilan3
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