



LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)

IDENTITAS:

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Hari, Tanggal:	Kamis, 20 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:

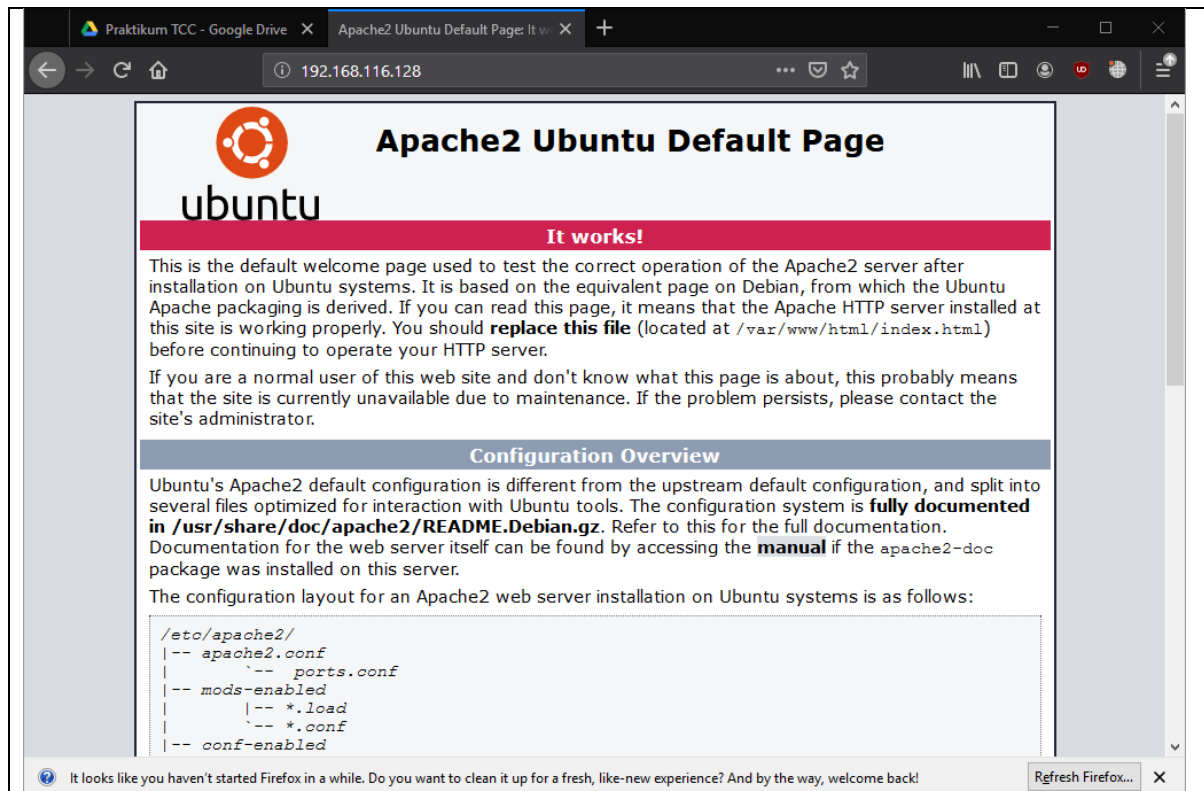
1. Tampilan hasil login Server Ubuntu pada PuTTY (tampilan dashboard/motd)

```
jundi@jundi-server: ~  
login as: jundi  
jundi@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 Feb 20 06:57:58 UTC 2020  
  
System load:  0.06          Processes:            199  
Usage of /:   19.3% of 19.56GB Users logged in:       1  
Memory usage: 27%          IP address for ens33: 192.168.116.128  
Swap usage:   0%  
  
65 packages can be updated.  
0 updates are security updates.  
  
Last login: Thu Feb 20 06:55:28 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
jundi@jundi-server:~$
```

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

1. Lakukan instalasi dengan mengetikkan perintah `$sudo apt-get install mysql-server`, lalu ketik y

```
jundi@jundi-server: ~  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
jundi@jundi-server:~$ sudo apt-get 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 tinyca  
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
```

2. Proses instalasi sedang berlangsung

```
jundi@jundi-server: ~  
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]  
6% [3 mysql-client-core-5.7 1,051 kB/6,642 kB 16%]
```

3. Proses instalasi selesai dilakukan

```
jundi@jundi-server: ~  
Setting up libaiol:amd64 (0.3.110-5ubuntu0.1) ...  
Setting up liburi-perl (1.73-1) ...  
Processing triggers for systemd (237-3ubuntu10.38) ...  
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 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) ...  
jundi@jundi-server:~$
```

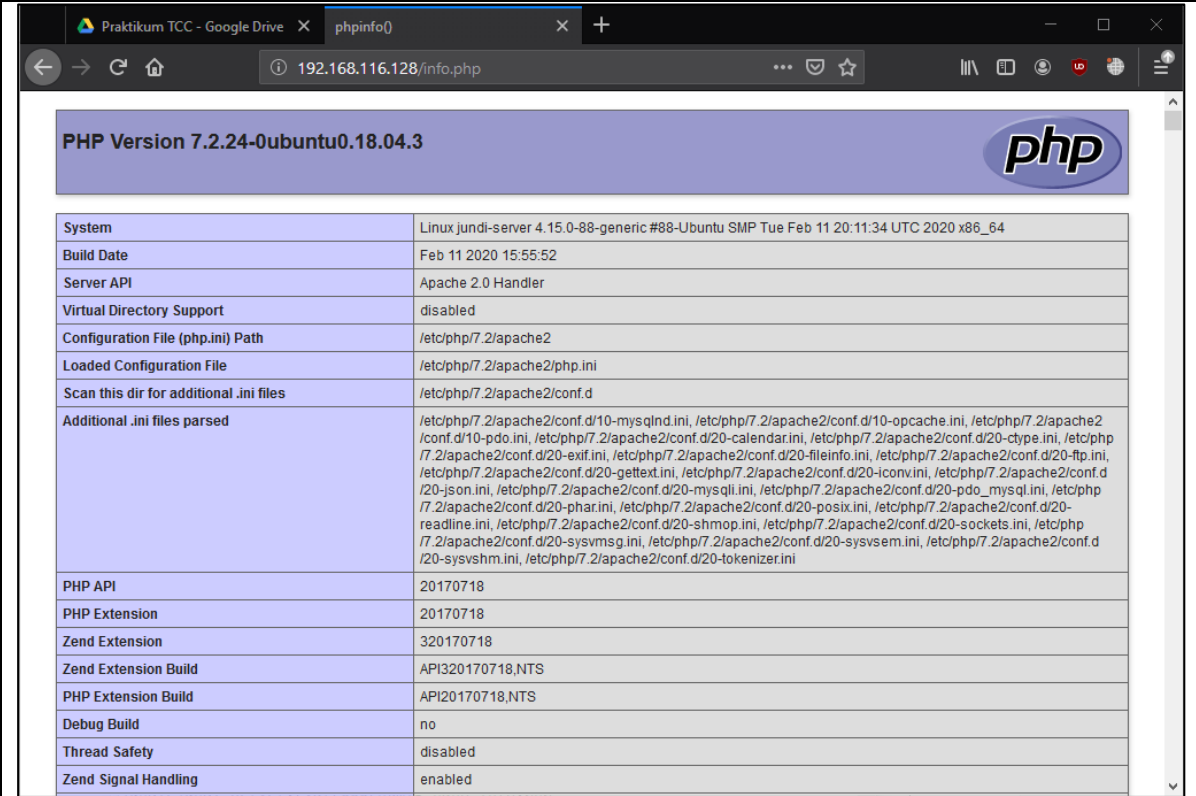
4. Untuk pilihan validate password plugin pilih no

```
jundi@jundi-server: ~  
mysql          mysql_install_db  
mysqladmin     mysql_optimize  
mysqlanalyze   mysql_plugin  
mysqlbinlog    mysqlpump  
mysqlcheck     mysqlrepair  
mysql_config_editor mysqlreport  
mysqld         mysql_secure_installation  
mysqld_multi   mysqlshow  
mysqld_safe    mysqlslap  
mysqldump      mysql_ssl_rsa_setup  
mysqldumpslow  mysql_tzinfo_to_sql  
mysql_embedded mysql_upgrade  
mysqlimport  
jundi@jundi-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: [ ]
```

5. Dan untuk pertanyaan selanjutnya pilih yes

```
jundi@jundi-server: ~  
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
```

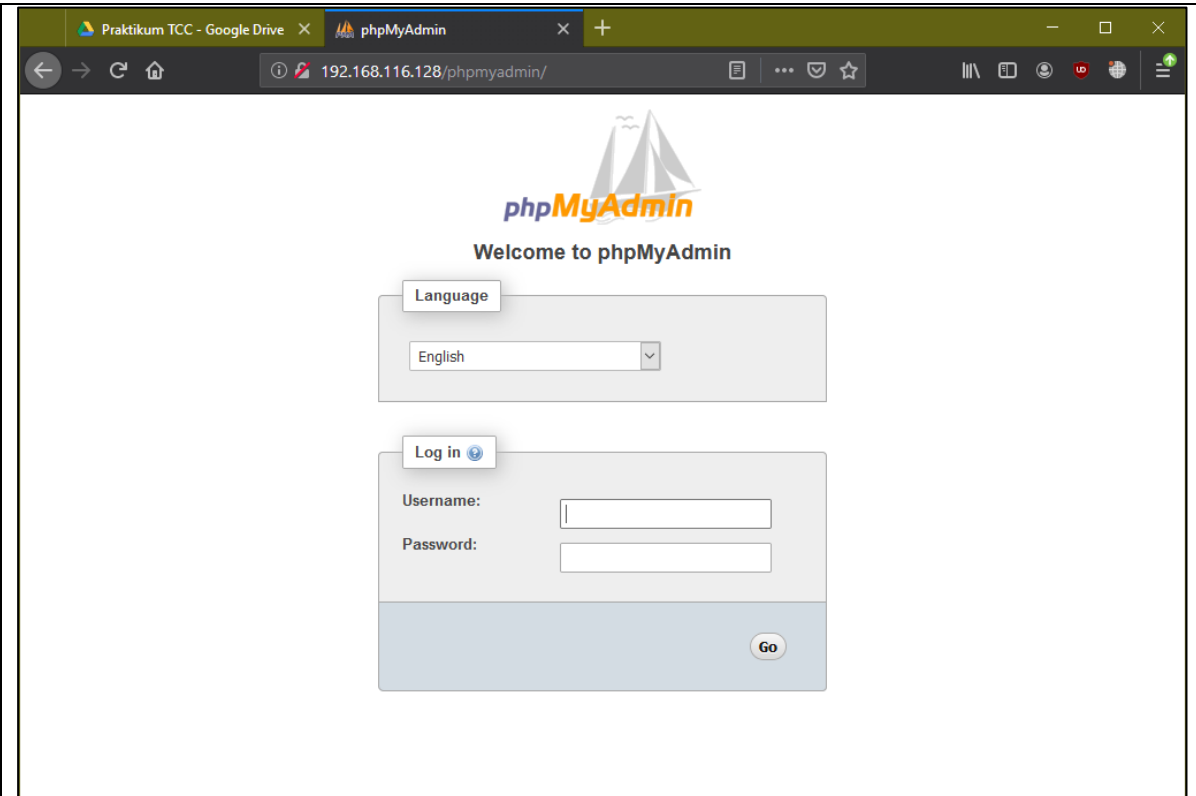
5. Tampilkan keberhasilan instalasi PHP dengan cara menampilkan info.php pada browser



PHP Version 7.2.24-0ubuntu0.18.04.3

System	Linux jundi-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-mysqlnd.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-sysmsg.ini, /etc/php/7.2/apache2/conf.d/20-syssem.ini, /etc/php/7.2/apache2/conf.d/20-sysshm.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

6. Tampilkan halaman awal dari login PHPMyAdmin pada browser



phpMyAdmin

Welcome to phpMyAdmin

Language

English

Log in

Username:

Password:

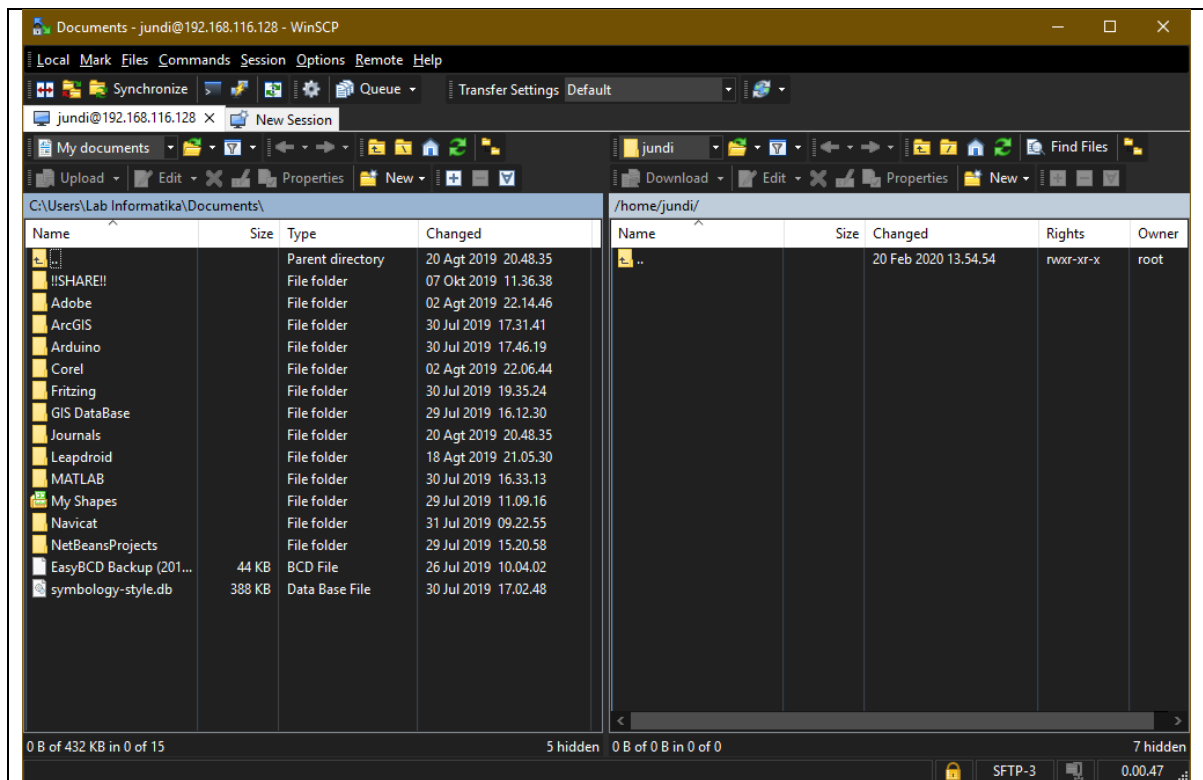
Go

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

1. Buka terminal
2. Ketikan perintah
`$sudo mysql -u root`
3. Setelah masuk ketikan perintah
`UPDATE mysql.user SET plugin =
'mysql_native_password',authentication_string =
PASSWORD('jundi') WHERE User='root';`
4. Setelah itu ketikan perintah
`FLUSH PRIVILAGES`
- 5.

\$

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



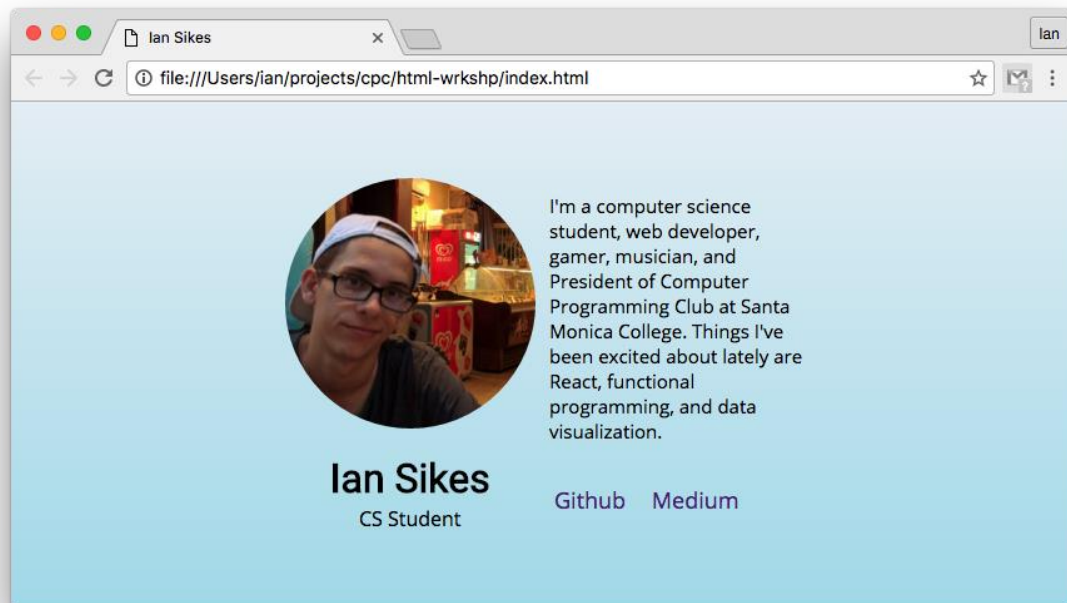
TUGAS BAGIAN KEDUA:

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.

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Login

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RM. Pasti Kenyang

Silahkan Login Terlebih Dahulu

Email

Password

Login

Belum punya akun? [Daftar disini](#)

[Admin Area](#)

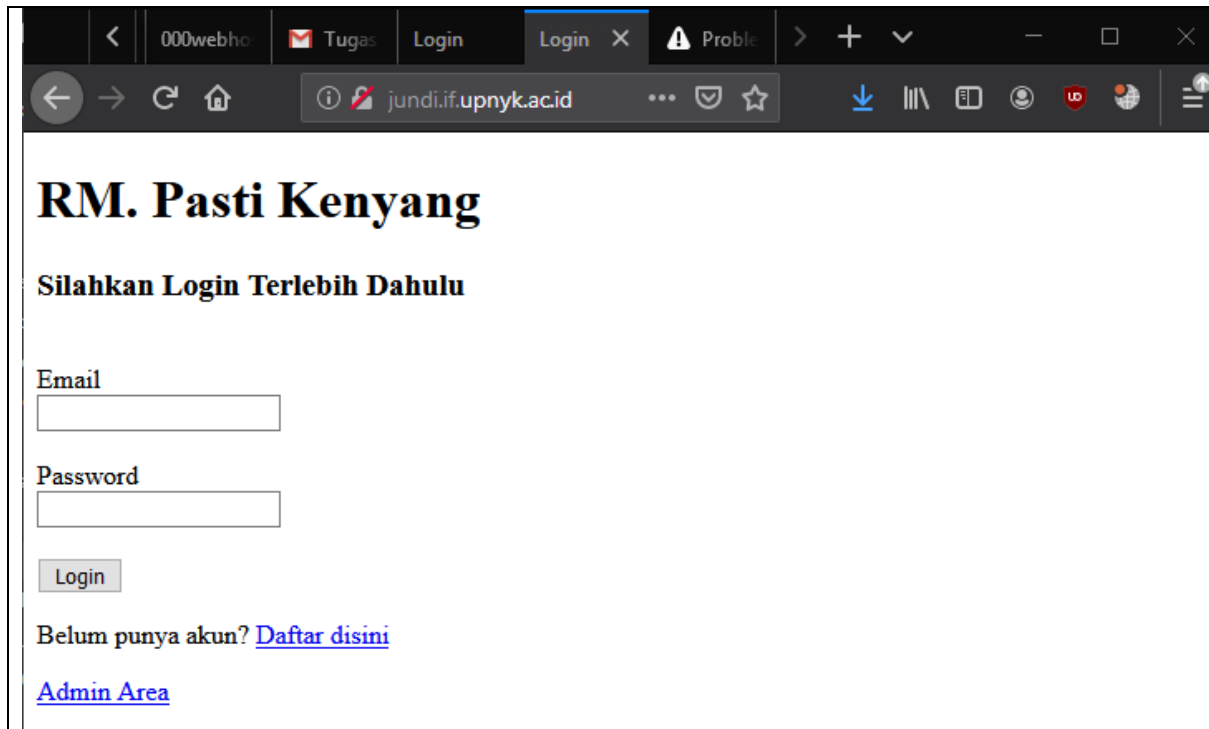
TUGAS BAGIAN KETIGA:

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.	192.168.116.128	Jundi Hafizhul Haqqi	jundi .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

--