



LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)

IDENTITAS:

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Hari, Tanggal:	Jum'at, 21 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
```

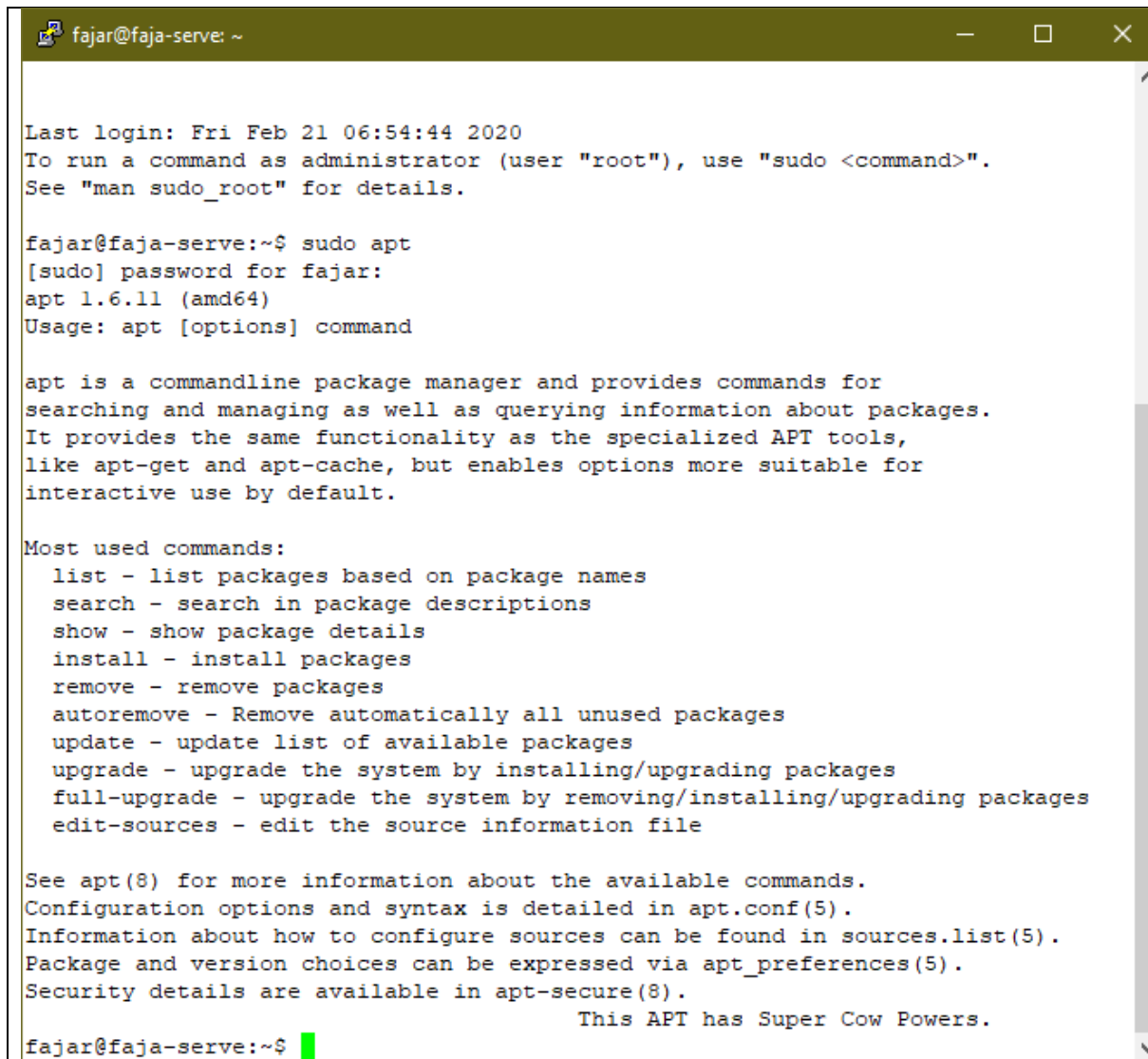
Perintah exit digunakan untuk keluar dari sesi akun aktif

3. Tampilkan pesan kesalahan pada saat login PHPMyAdmin



TUGAS BAGIAN PERTAMA:

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



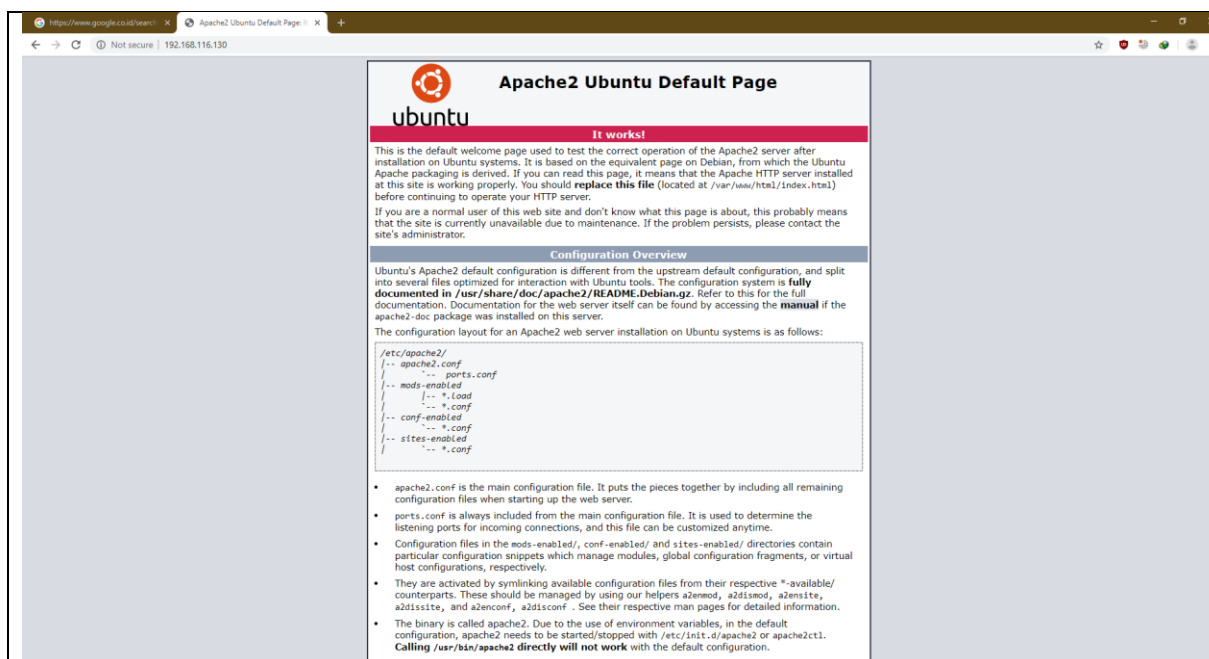
```
fajar@faja-serve: ~  
  
Last login: Fri Feb 21 06:54:44 2020  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
fajar@faja-serve:~$ sudo apt  
[sudo] password for fajar:  
apt 1.6.11 (amd64)  
Usage: apt [options] command  
  
apt is a commandline package manager and provides commands for  
searching and managing as well as querying information about packages.  
It provides the same functionality as the specialized APT tools,  
like apt-get and apt-cache, but enables options more suitable for  
interactive use by default.  
  
Most used commands:  
list - list packages based on package names  
search - search in package descriptions  
show - show package details  
install - install packages  
remove - remove packages  
autoremove - Remove automatically all unused packages  
update - update list of available packages  
upgrade - upgrade the system by installing/upgrading packages  
full-upgrade - upgrade the system by removing/installing/upgrading packages  
edit-sources - edit the source information file  
  
See apt(8) for more information about the available commands.  
Configuration options and syntax is detailed in apt.conf(5).  
Information about how to configure sources can be found in sources.list(5).  
Package and version choices can be expressed via apt_preferences(5).  
Security details are available in apt-secure(8).  
This APT has Super Cow Powers.  
fajar@faja-serve:~$ █
```

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

```
$ ifconfig
```

```
fajar@faja-serve: ~  
fajar@faja-serve:~$ ifconfig  
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
    inet 192.168.116.130 netmask 255.255.255.0 broadcast 192.168.116.255  
    inet6 fe80::20c:29ff:fe3a:d17e prefixlen 64 scopeid 0x20<link>  
    ether 00:0c:29:3a:d1:7e txqueuelen 1000 (Ethernet)  
    RX packets 859 bytes 625868 (625.8 KB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 235 bytes 32747 (32.7 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 104 bytes 8136 (8.1 KB)  
    RX errors 0 dropped 0 overruns 0 frame 0  
    TX packets 104 bytes 8136 (8.1 KB)  
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
fajar@faja-serve:~$
```

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



4. Tampilkan proses instalasi MySQL

1. Ketikkan sudo apt install mysql_server, kemudian ketikkan y, dan tunggu nbeberapa saat.

```

fajar@faja-serve: ~
fajar@faja-serve:~$ 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-p
  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-p
  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]

```

2. Setelah itu ketikkan `sudo mysql_secure_installation`, pertanyaan pertama ketikkan y, kedua hingga keempat jika ada pertanyaan ketikkan y.

```

fajar@faja-serve: ~
fajar@faja-serve:~$ sudo mysql_secure_installation

Securing the MySQL server deployment.

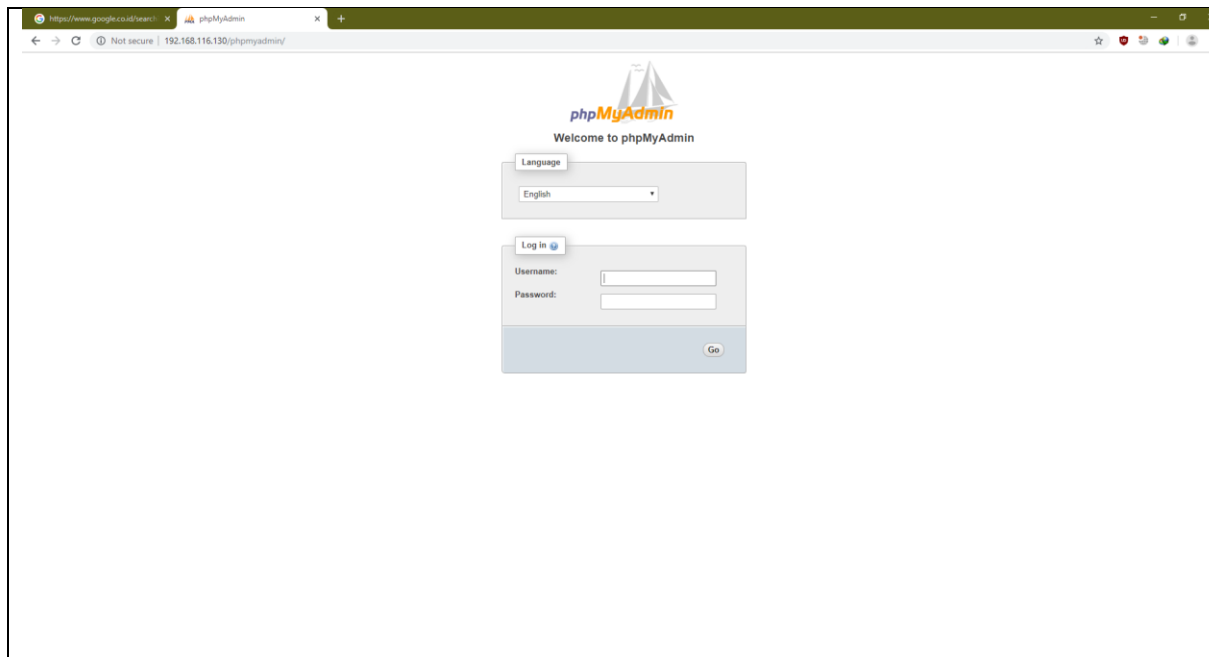
Connecting to MySQL using a blank password.

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: No

```


6. Tampilkan halaman awal dari login PHPmyAdmin pada browser



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

```
$ Flush Privileges;

fajar@faja-serve: ~
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> UPDATE mysql.user SET plugin = 'mysql_native_password', authentication_st
ring = PASSWORD('fajar123') WHERE User = 'root';
Query OK, 1 row affected, 1 warning (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 1

mysql> Flush Privileges
-> exit
-> Flush Privileges;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'exit
Flush Privileges' at line 2
mysql> Flush Privileges;
Query OK, 0 rows affected (0.00 sec)

mysql> exit
Bye
fajar@faja-serve:~$
```

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

html - fajar@192.168.116.130 - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize Queue Transfer Settings Default

fajar@192.168.116.130 X New Session

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

C:\Users\Lab Informatika\Documents\ /var/www/html/

Name	Size	Type	Changed	Name	Size	Changed	Rights	Owner
..		Parent directory	20 Agt 2019 20.48.35	..		21 Feb 2020 14.10.58	rwxt-xr-x	root
!!SHARE!!		File folder	07 Okt 2019 11.43.03	js		21 Feb 2020 14.52.57	rwxt-rwxt-x	fajar
Adobe		File folder	02 Agt 2019 22.14.46	img		21 Feb 2020 14.52.57	rwxt-rwxt-x	fajar
ArcGIS		File folder	30 Jul 2019 17.31.41	css		21 Feb 2020 14.52.57	rwxt-rwxt-x	fajar
Arduino		File folder	30 Jul 2019 17.46.19	logout.php	1 KB	21 Feb 2020 14.52.24	rw-rw-r--	fajar
Corel		File folder	02 Agt 2019 22.06.44	login_progress.php	1 KB	21 Feb 2020 14.52.24	rw-rw-r--	fajar
Fritzing		File folder	30 Jul 2019 19.35.24	login.php	4 KB	21 Feb 2020 14.52.24	rw-rw-r--	fajar
GIS DataBase		File folder	29 Jul 2019 16.12.30	info.php	1 KB	21 Feb 2020 14.27.55	rw-r--r--	root
Journals		File folder	20 Agt 2019 20.48.35	index.html	11 KB	21 Feb 2020 14.11.01	rw-r--r--	root
Leapdroid		File folder	18 Agt 2019 21.05.30	dashboard.php	5 KB	21 Feb 2020 14.52.24	rw-rw-r--	fajar
MATLAB		File folder	30 Jul 2019 16.33.13	connection.php	1 KB	21 Feb 2020 14.52.24	rw-rw-r--	fajar
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 19,2 KB in 0 of 10 1 hidden

SFTP-3 0.08.12

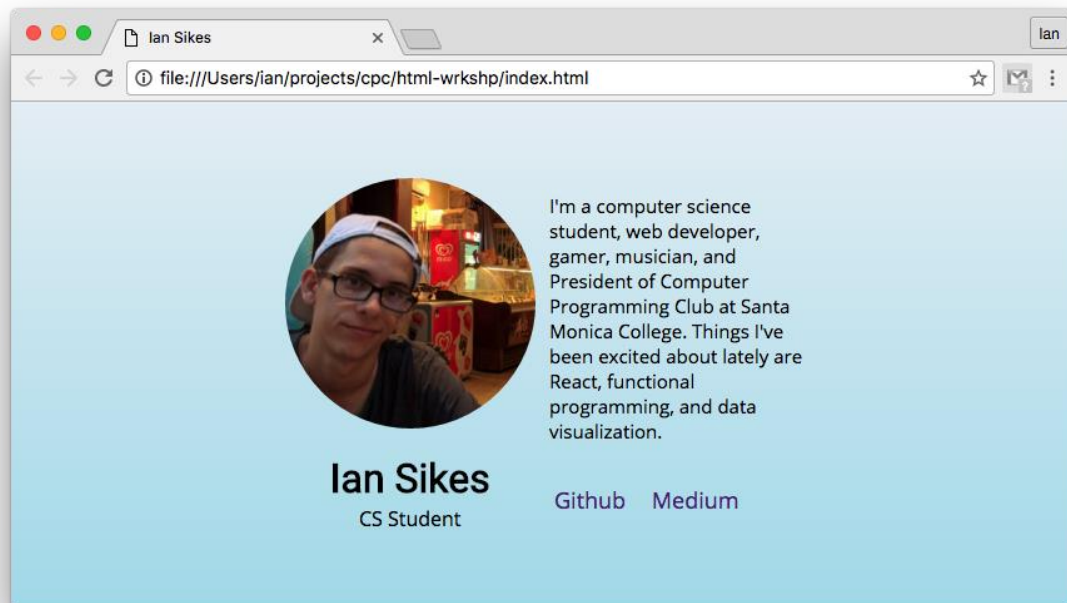
TUGAS BAGIAN KEDUA:

Khusus untuk yang telah mengerjakan tugas 000webhost:

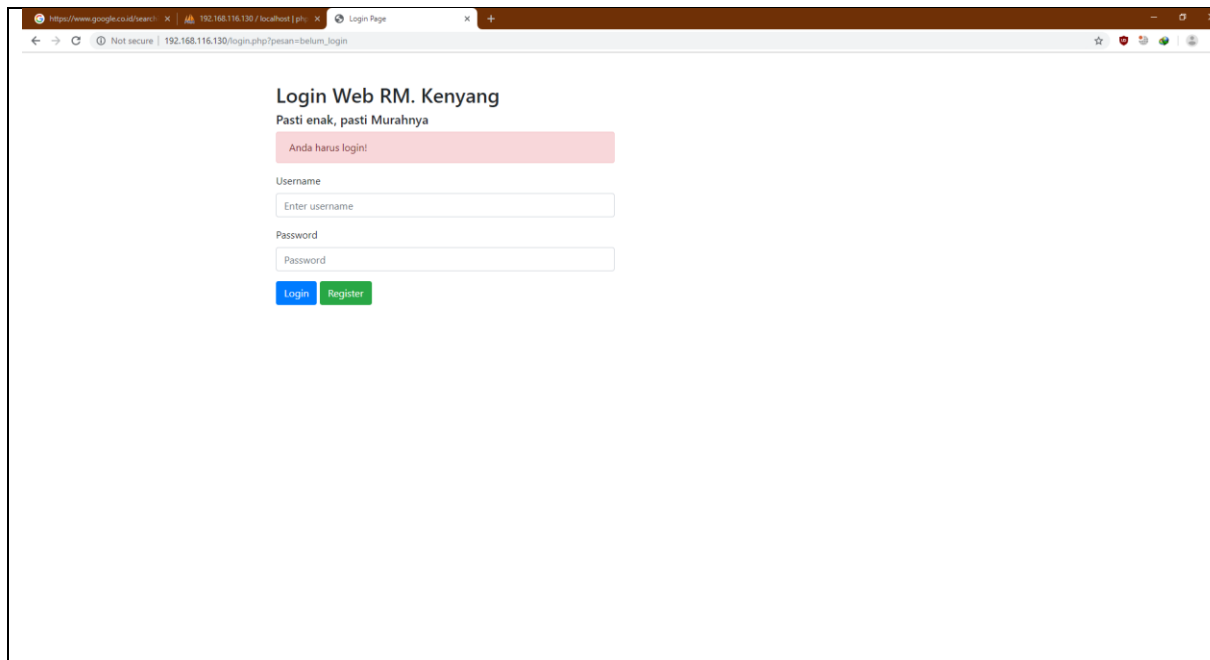
Unduh berkas PHP/HTML Rumah Makan yang tersimpan pada 000webhost Anda.

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.



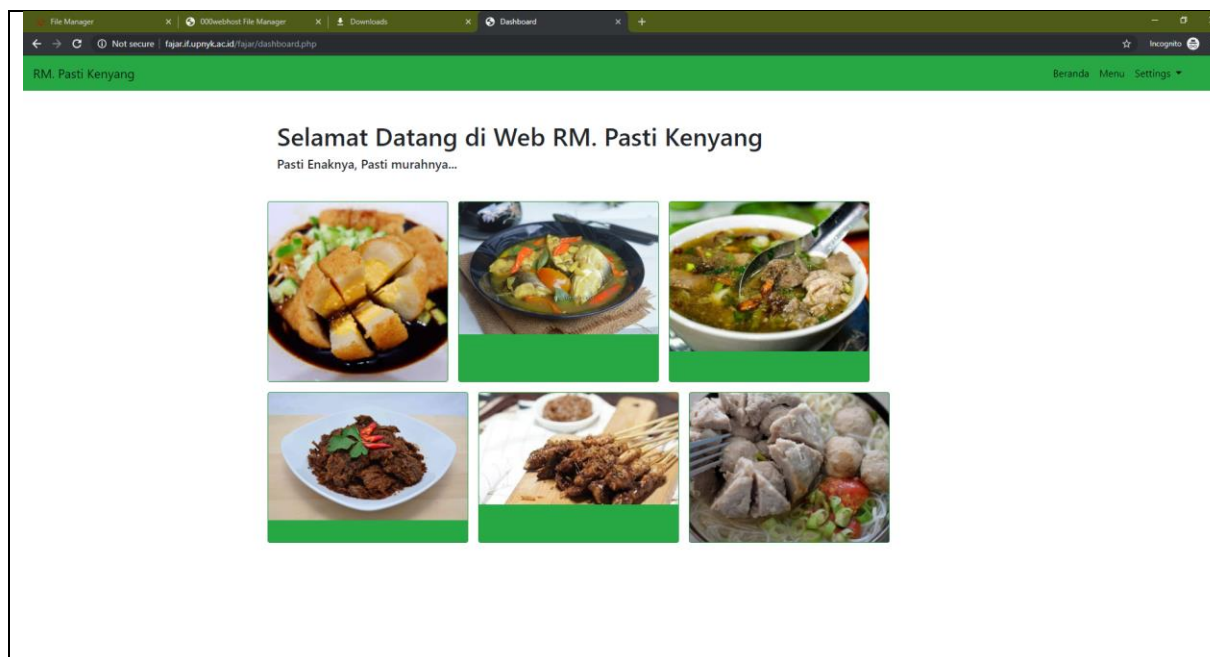
TUGAS BAGIAN KETIGA:

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.			http://fajar.if.upnyk.ac.id/fajar/login.php
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