



LEMBAR KERJA PRAKTIKUM CLOUD COMPUTING

INSTALASI DAN KONFIGURASI LAYANAN HOSTING DENGAN LAMPP (SAAS)

IDENTITAS:

Nama:	Muhammad Faris Fathur Rahman
NIM:	123170097
Kelas:	E
Hari, Tanggal:	Rabu, 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
```

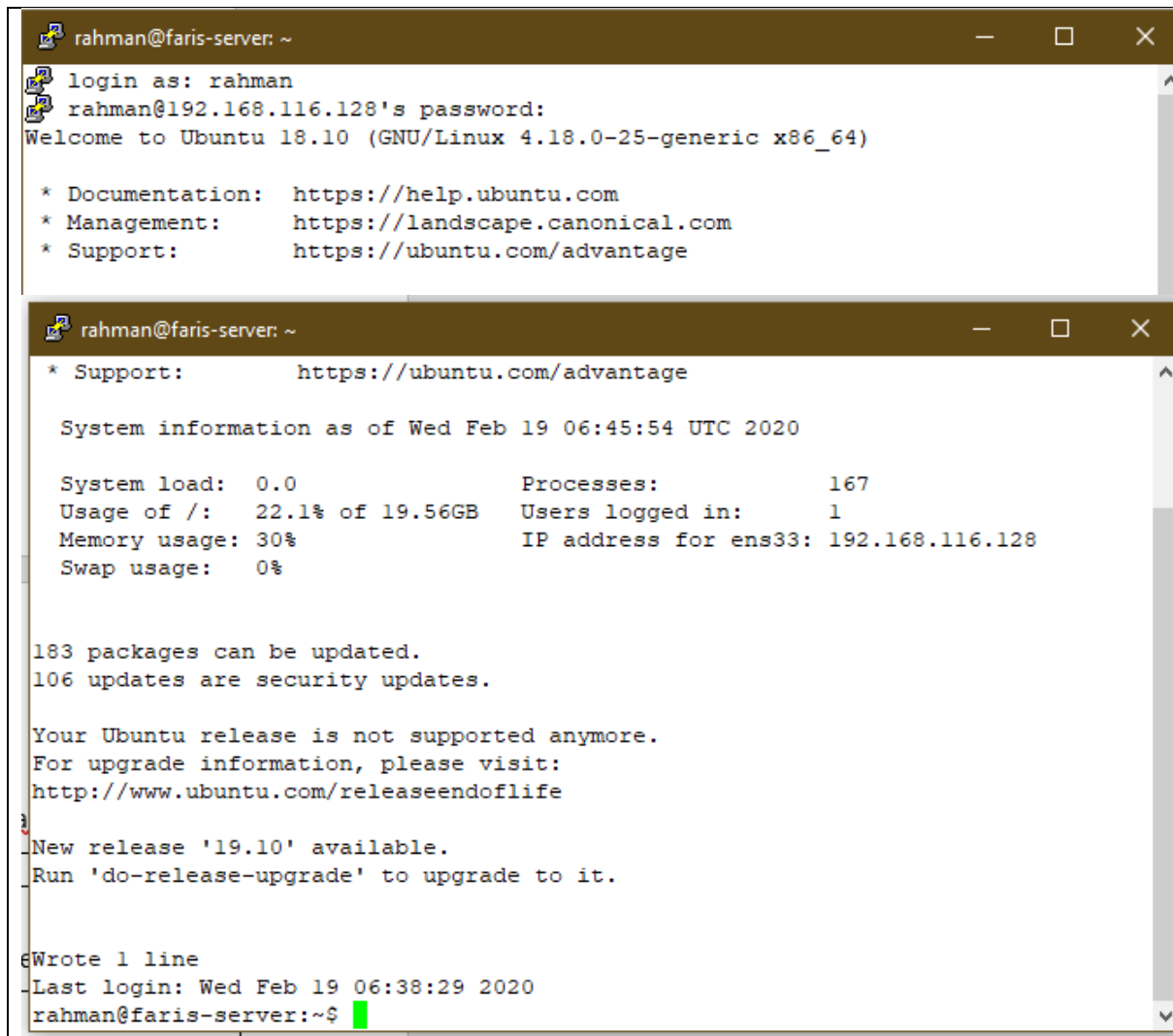
Perintah exit digunakan untuk keluar dari sesi akun aktif

3. Tampilkan pesan kesalahan pada saat login PHPMyAdmin



TUGAS BAGIAN PERTAMA:

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

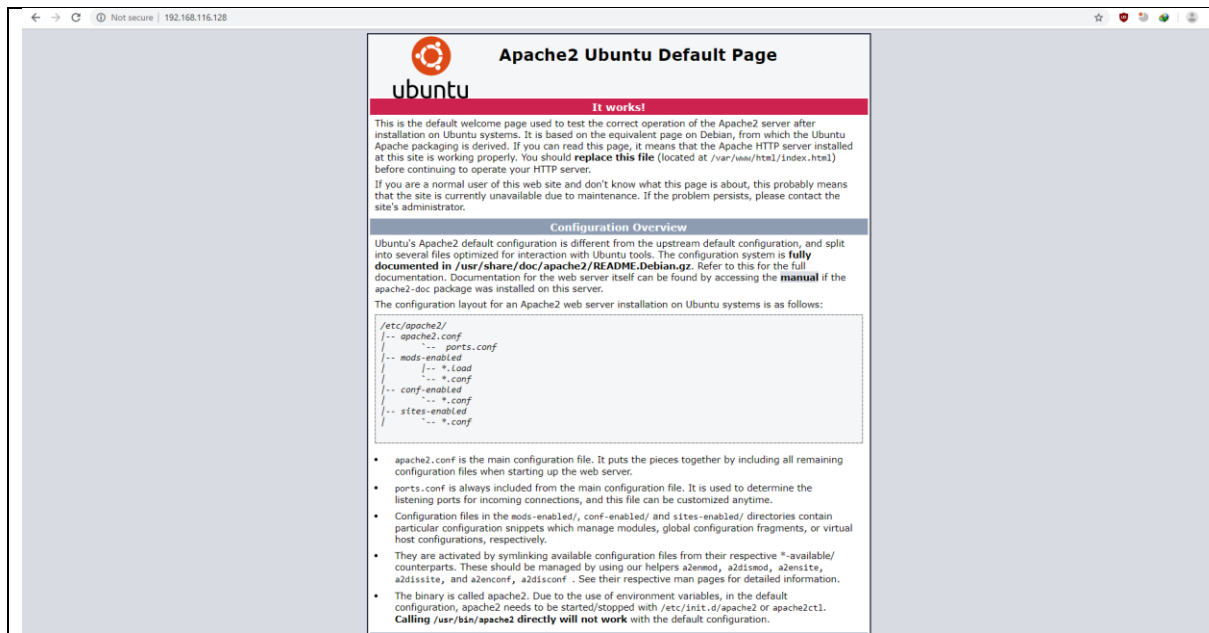


```
rahman@faris-server: ~  
login as: rahman  
rahman@192.168.116.128's password:  
Welcome to Ubuntu 18.10 (GNU/Linux 4.18.0-25-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
rahman@faris-server: ~  
* Support:        https://ubuntu.com/advantage  
  
System information as of Wed Feb 19 06:45:54 UTC 2020  
  
System load:  0.0                Processes:            167  
Usage of /:   22.1% of 19.56GB   Users logged in:     1  
Memory usage: 30%               IP address for ens33: 192.168.116.128  
Swap usage:   0%  
  
183 packages can be updated.  
106 updates are security updates.  
  
Your Ubuntu release is not supported anymore.  
For upgrade information, please visit:  
http://www.ubuntu.com/releaseendoflife  
  
New release '19.10' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Wrote 1 line  
Last login: Wed Feb 19 06:38:29 2020  
rahman@faris-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

```
rahman@faris-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 94 not upgraded.  
Need to get 21.2 MB of archives.  
After this operation, 161 MB of additional disk space will be used.  
Do you want to continue? [Y/n]
```

```
Do you want to continue? [Y/n] Y
Get:1 http://archive.ubuntu.com/ubuntu cosmic/main amd64 mysql-common all 5.8+1.0.4 [7,308 B]
Get:2 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libaiol amd64 0.3.111-1 [7,224 B]
Get:3 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 mysql-client-core-5.7 amd64 5.7.26-0ubuntu0.18.10.1 [7,082 kB]
Get:4 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 mysql-client-5.7 amd64 5.7.26-0ubuntu0.18.10.1 [2,307 kB]
Get:5 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 mysql-server-core-5.7 amd64 5.7.26-0ubuntu0.18.10.1 [7,835 kB]
Get:6 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libevent-core-2.1-6 amd64 2.1.8-stable-4build1 [85.9 kB]
Get:7 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 mysql-server-5.7 amd64 5.7.26-0ubuntu0.18.10.1 [3,240 kB]
Get:8 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libhtml-tagset-perl all 3.20-3 [12.1 kB]
Get:9 http://archive.ubuntu.com/ubuntu cosmic/main amd64 liburi-perl all 1.74-1 [77.1 kB]
Get:10 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libhtml-parser-perl amd64 3.72-3build1 [85.9 kB]
Get:11 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libcgi-pm-perl all 4.40-1 [186 kB]
Get:12 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libfcgi-perl amd64 0.78-2build1 [32.8 kB]
Get:13 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libcgi-fast-perl all 1:2.13-1 [9,940 B]
Get:14 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libencode-locale-perl all 1.05-1 [12.3 kB]
Get:15 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libhtml-template-perl all 2.97-1 [59.0 kB]
Get:16 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libtimedate-perl all 2.3000-2 [37.5 kB]
Get:17 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libhttp-date-perl all 6.02-1 [10.4 kB]
Get:18 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libio-html-perl all 1.001-1 [14.9 kB]
Get:19 http://archive.ubuntu.com/ubuntu cosmic/main amd64 liblwp-mediatypes-perl all 6.02-1 [21.7 kB]
Get:20 http://archive.ubuntu.com/ubuntu cosmic/main amd64 libhttp-message-perl all 6.18-1 [75.3 kB]
Get:21 http://archive.ubuntu.com/ubuntu cosmic-updates/main amd64 mysql-server a11 5.7.26-0ubuntu0.18.10.1 [9,952 B]
Fetched 21.2 MB in 1min 59s (178 kB/s)
Preconfiguring packages ...
Selecting previously unselected package mysql-common.
(Reading database ... 101075 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.
Preparing to unpack .../1-libaiol_0.3.111-1_amd64.deb ...
Unpacking libaiol:amd64 (0.3.111-1) ...
Selecting previously unselected package mysql-client-core-5.7.
Preparing to unpack .../2-mysql-client-core-5.7_5.7.26-0ubuntu0.18.10.1_amd64.de
^
```

```
Processing triggers for systemd (239-7ubuntu10.12) ...  
rahman@faris-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: ☐

```

Setting up mysql-server (5.7.26-0ubuntu0.16.04.1) ...
rahman@faris-server:~$ sudo mysql_secure_installation

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.
The 'validate_password' plugin is installed on the server.
The subsequent steps will run with the existing configuration
of the plugin.
Please set the password for root here.

New password:

Re-enter new password:

Estimated strength of the password: 50
Do you wish to continue with the password provided?(Press y|Y for Yes, any other key fo
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!
rahman@faris-server:~$ █

```


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

← → ↻ ⓘ Not secure | 192.168.116.128/info.php

PHP Version 7.2.19-0ubuntu0.18.10.1


System	Linux faris-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-mysql.ini, /etc/php/7.2/apache2/conf.d/20-pdo_mysql.ini, /etc/php/7.2/apache2/conf.d/20-pear.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-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, fip, 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

← → ↻ ⓘ Not secure | 192.168.116.128/phpmyadmin/



Welcome to phpMyAdmin

Language

English ▼

Log in ⓘ

Username:
Password:

Go

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

```
$ sudo mysql -u root

ATAU

$ sudo mysql -u root -p
```


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

--

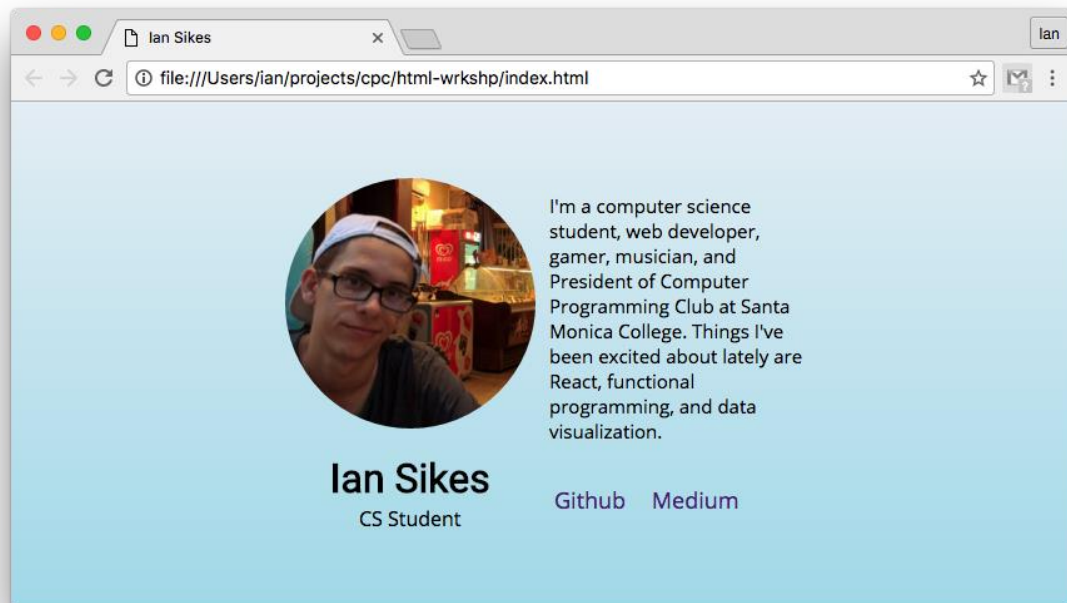
TUGAS BAGIAN KEDUA:

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