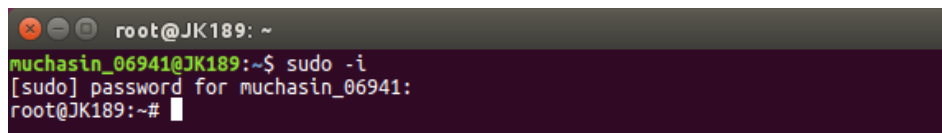# TUGAS PRAKTIKUM

## SOAL PRAKTIKUM

Pada Modul V(Lima), kalian telah membuat sebuah DNS Server yang sudah dapat diakses oleh kedua client. Sekarang, buat Web Server sesuai dengan DNS yang telah kalian buat sebelumnya**(Boleh menggunakan template)**. Pada domain utama, sediakan juga pintasan/link untuk menuju ke setiap sub domain. Pada sub domain, buat tampilan sesuai dengan nama sub domainnya, lalu buat agar tampilan lebih menarik**(60 poin).**
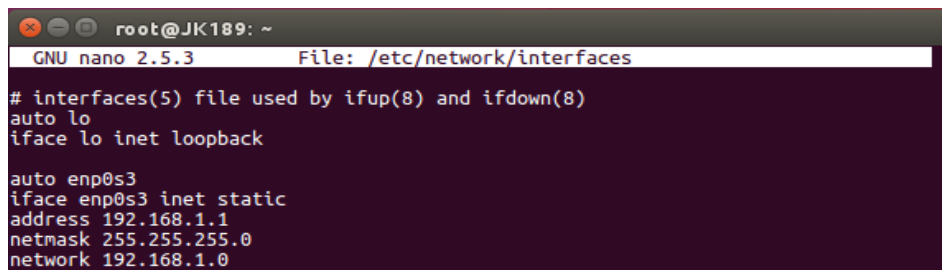
**Jawaban :**

1. Login sebagai root



2. Set IP menjadi 192.168.1.1/24 dan buat domain dengan nama  jarkom.com



3. Lalu install Nginx dengan perintah:

   *# apt-get install nginx*

# TUGAS PRAKTIKUM

4. Install MySql Server dengan perintah:

   *# apt-get install mysql-server*

   ```
   muchasin_06941@JK189: ~
   muchasin_06941@JK189:~$ sudo apt-get install mysql-server
   [sudo] password for muchasin_06941:
   Reading package lists... Done
   Building dependency tree
   Reading state information... Done
   The following additional packages will be installed:
     libaio1 libevent-core-2.0-5 libhtml-template-perl mysql-client-5.7
     mysql-client-core-5.7 mysql-common mysql-server-5.7 mysql-server-core-5.7
   Suggested packages:
     libipc-sharedcache-perl mailx tinyca
   The following NEW packages will be installed:
     libaio1 libevent-core-2.0-5 libhtml-template-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, 9 newly installed, 0 to remove and 337 not upgraded.
   Need to get 17,7 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 xenial-updates/main amd64 mysql-common
    all 5.7.30-0ubuntu0.16.04.1 [14,8 kB]
   Get:2 http://id.archive.ubuntu.com/ubuntu xenial/main amd64 libaio1 amd64 0.3.11
   0-2 [6.356 B]
   Get:3 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 mysql-client
   -core-5.7 amd64 5.7.30-0ubuntu0.16.04.1 [6.231 kB]
   ```

5. Jalankan Service Nginx dengan perintah:

   *# service nginx start*

   Atau

   *# /etc/init.d/nginx start*

   ```
   root@JK189: ~
   muchasin_06941@JK189:~$ sudo -i
   [sudo] password for muchasin_06941:
   root@JK189:~# service nginx start
   root@JK189:~#
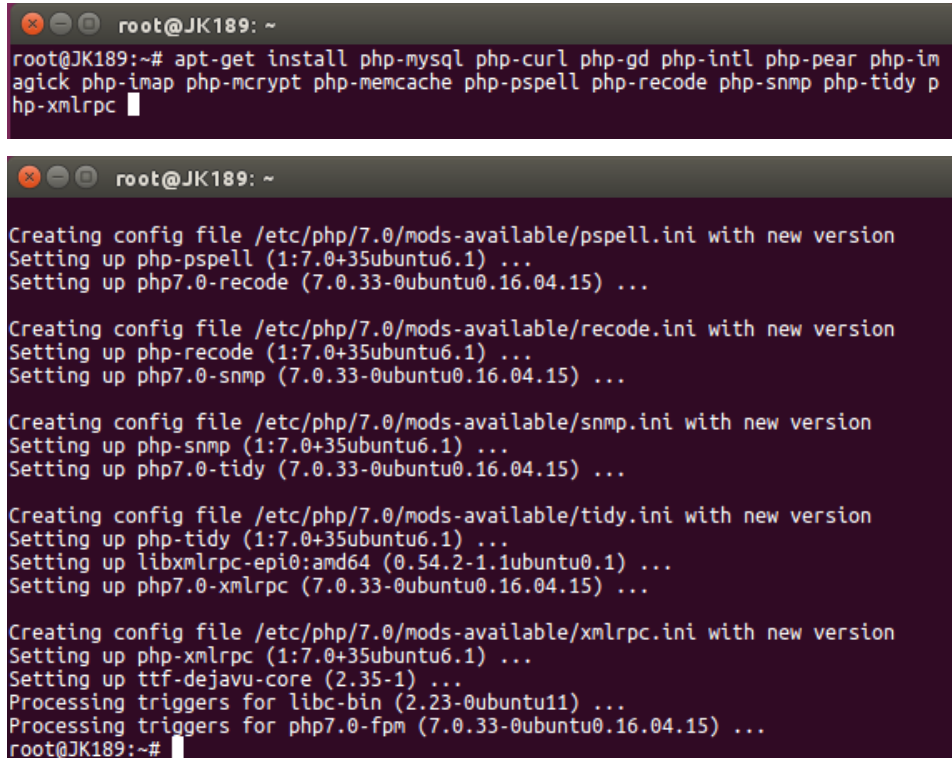   ```

6. Install php7 fpm dengan perintah:

   *# apt-get install php-fpm*

   ```
   root@JK189: ~
   root@JK189:~# apt-get install php-fpm
   Reading package lists... Done
   Building dependency tree
   Reading state information... Done
   The following additional packages will be installed:
     php-common php7.0-cli php7.0-common php7.0-fpm php7.0-json php7.0-opcache
     php7.0-readline
   Suggested packages:
     php-pear
   The following NEW packages will be installed:
     php-common php-fpm php7.0-cli php7.0-common php7.0-fpm php7.0-json
     php7.0-opcache php7.0-readline
   0 upgraded, 8 newly installed, 0 to remove and 337 not upgraded.
   Need to get 3.539 kB of archives.
   After this operation, 14,1 MB of additional disk space will be used.
   Do you want to continue? [Y/n] Y
   Get:1 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 php-common a
   ll 1:35ubuntu6.1 [10,8 kB]
   Get:2 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 php7.0-commo
   n amd64 7.0.33-0ubuntu0.16.04.15 [846 kB]
   Get:3 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 php7.0-json
   amd64 7.0.33-0ubuntu0.16.04.15 [16,9 kB]
   Get:4 http://id.archive.ubuntu.com/ubuntu xenial-updates/main amd64 php7.0-opcac
   he amd64 7.0.33-0ubuntu0.16.04.15 [77,2 kB]
   ```

# TUGAS PRAKTIKUM

7. Install paket agar mysql support dengan php7 dengan perintah:

   *# apt-get install php-mysql php-curl php-gd php-intl php-pear php-imagick php-imap php-mcrypt php-memcache php-pspell php-recode php-snmp php-tidy php-xmlrpc*

   

   

8. Lalu kita buat agar php-fpm menggunakan koneksi TCP dengan mengedit file "*/etc/php/7.0/fpm/pool.d/www.conf*"
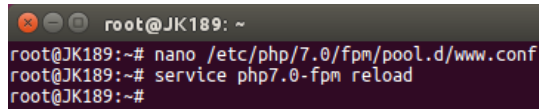
   *# nano /etc/php/7.0/fpm/pool.d/www.conf*

# TUGAS PRAKTIKUM

9. Lalu reload service php7-fpm dengan perintah:
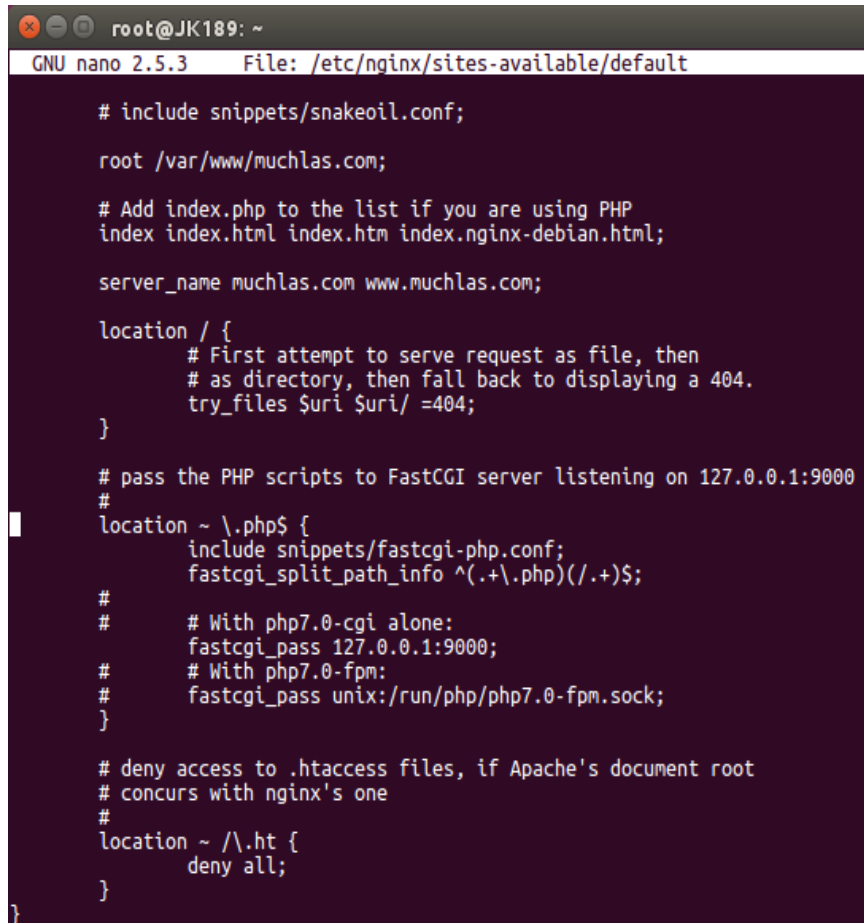
   *# service php7.0-fpm reload*

   Atau

   *# /etc/init.d/php7.0-fpm reload*

```
😣🔴🟡  root@JK189: ~
root@JK189:~# nano /etc/php/7.0/fpm/pool.d/www.conf
root@JK189:~# service php7.0-fpm reload
root@JK189:~#
```

10. Edit file *"/etc/nginx/sites-available/default"* dengan perintah:
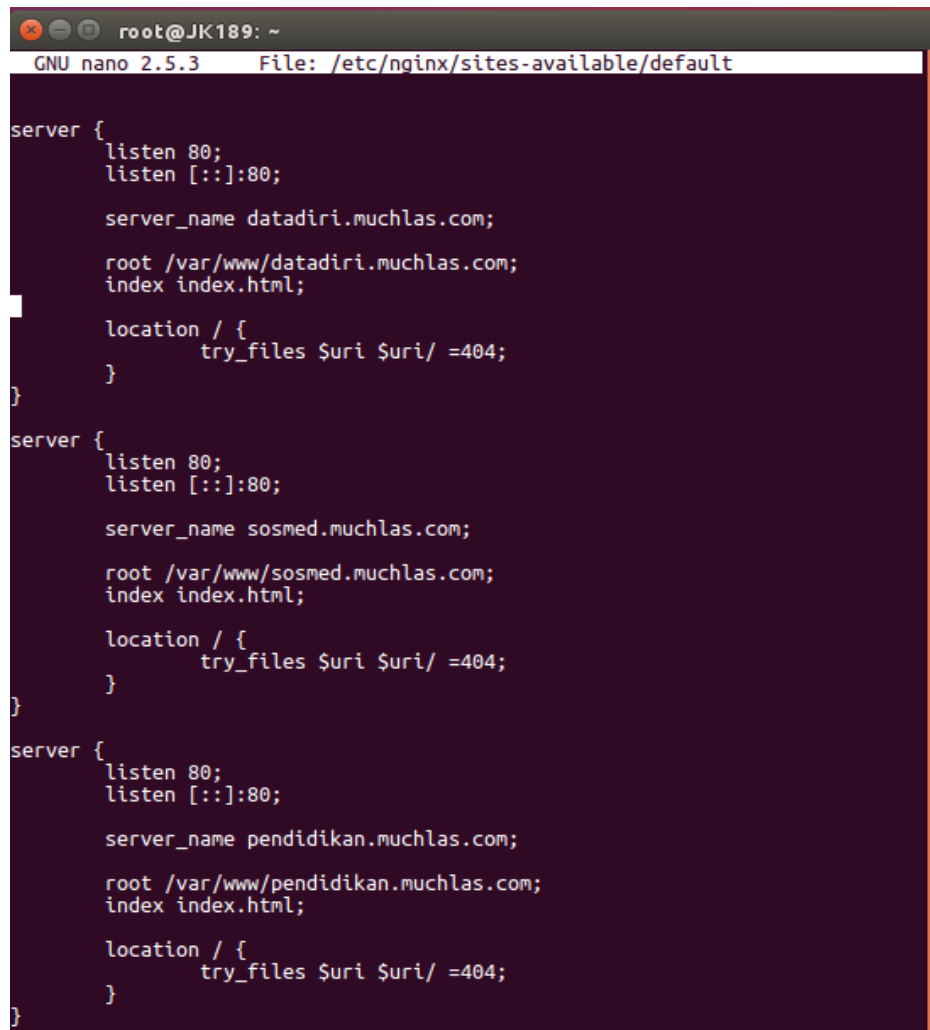
    *# nano /etc/nginx/sites-available/default*

```
😣🔴🟡  root@JK189: ~
 GNU nano 2.5.3      File: /etc/nginx/sites-available/default

        # include snippets/snakeoil.conf;

        root /var/www/muchlas.com;

        # Add index.php to the list if you are using PHP
        index index.html index.htm index.nginx-debian.html;

        server_name muchlas.com www.muchlas.com;

        location / {
                # First attempt to serve request as file, then
                # as directory, then fall back to displaying a 404.
                try_files $uri $uri/ =404;
        }

        # pass the PHP scripts to FastCGI server listening on 127.0.0.1:9000
        #
        location ~ \.php$ {
                include snippets/fastcgi-php.conf;
                fastcgi_split_path_info ^(.+\.php)(/.+)$;
        #
        #       # With php7.0-cgi alone:
                fastcgi_pass 127.0.0.1:9000;
        #       # With php7.0-fpm:
        #       fastcgi_pass unix:/run/php/php7.0-fpm.sock;
        }

        # deny access to .htaccess files, if Apache's document root
        # concurs with nginx's one
        #
        location ~ /\.ht {
                deny all;
        }
}
```

# TUGAS PRAKTIKUM

Kemudian tambahkan konfigurasi sebagai berikut :

```
GNU nano 2.5.3        File: /etc/nginx/sites-available/default

server {
        listen 80;
        listen [::]:80;

        server_name datadiri.muchlas.com;

        root /var/www/datadiri.muchlas.com;
        index index.html;

        location / {
                try_files $uri $uri/ =404;
        }
}
server {
        listen 80;
        listen [::]:80;

        server_name sosmed.muchlas.com;

        root /var/www/sosmed.muchlas.com;
        index index.html;

        location / {
                try_files $uri $uri/ =404;
        }
}
server {
        listen 80;
        listen [::]:80;

        server_name pendidikan.muchlas.com;

        root /var/www/pendidikan.muchlas.com;
        index index.html;

        location / {
                try_files $uri $uri/ =404;
        }
}
```
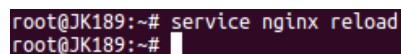
11. Save konfigurasi dan restart nginx dengan perintah:
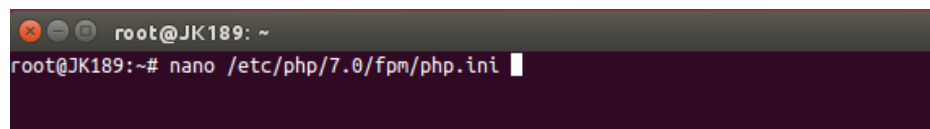
    *# service nginx reload*

    Atau

    *# /etc/init.d/nginx reload*

```
root@JK189:~# service nginx reload
root@JK189:~#
```

12. Edit file *"/etc/php/7.0/fpm/php.ini"* seperti berikut:

    *# nano /etc/php/7.0/fpm/php.ini*

```
root@JK189: ~
root@JK189:~# nano /etc/php/7.0/fpm/php.ini
```

# TUGAS PRAKTIKUM

```
root@JK189: ~
GNU nano 2.5.3          File: /etc/php/7.0/fpm/php.ini          Modified

; cgi.fix_pathinfo provides *real* PATH_INFO/PATH_TRANSLATED support for CGI.  $
; previous behaviour was to set PATH_TRANSLATED to SCRIPT_FILENAME, and to not $
; what PATH_INFO is.  For more information on PATH_INFO, see the cgi specs.  Se$
; this to 1 will cause PHP CGI to fix its paths to conform to the spec.  A sett$
; of zero causes PHP to behave as before.  Default is 1.  You should fix your s$
; to use SCRIPT_FILENAME rather than PATH_TRANSLATED.
; http://php.net/cgi.fix-pathinfo
cgi.fix_pathinfo=0
```

13. Buat folder baru pada folder /var/www/html sebagai berikut :

```
root@JK189: /var/www
root@JK189:~# cd /var/www/
root@JK189:/var/www# mkdir muchlas.com datadiri.muchlas.com sosmed.muchlas.com p
endidikan.muchlas.com
```

14. Copykan file web ke folder namapanggilan.com

```
root@JK189: ~
root@JK189:~# cp /home/muchasin_06941/Downloads/templated-privy.zip /var/www/muc
hlas.com
root@JK189:~#
```

15. Chek file apakah sudah tercopy ke folder tersebut

```
root@JK189: /var/www/muchlas.com
root@JK189:~# cp /home/muchasin_06941/Downloads/templated-privy.zip /var/www/muc
hlas.com
root@JK189:~# cd /var/www/muchlas.com
root@JK189:/var/www/muchlas.com# ls
templated-privy.zip
root@JK189:/var/www/muchlas.com#
```

16. Beri hak akses terhadap file tersebut,

```
root@JK189: /var/www/muchlas.com
root@JK189:/var/www/muchlas.com# chmod +x templated-privy.zip
root@JK189:/var/www/muchlas.com#
```

17. Ekstrak file zip tersebut

```
root@JK189: /var/www/muchlas.com
root@JK189:/var/www/muchlas.com# chmod +x templated-privy.zip
root@JK189:/var/www/muchlas.com# unzip templated-privy.zip
Archive:  templated-privy.zip
  inflating: index.html
  inflating: images/pic02.jpg
  inflating: images/pic01.jpg
  inflating: license.txt
  inflating: fonts/FontAwesome.otf
  inflating: fonts/fontawesome-webfont.woff
  inflating: fonts/fontawesome-webfont.eot
  inflating: fonts/fontawesome-webfont.ttf
  inflating: fonts/fontawesome-webfont.svg
  inflating: default.css
  inflating: fonts.css
root@JK189:/var/www/muchlas.com# ls
default.css  fonts.css  index.html    templated-privy.zip
fonts        images     license.txt
root@JK189:/var/www/muchlas.com#
```

# TUGAS PRAKTIKUM

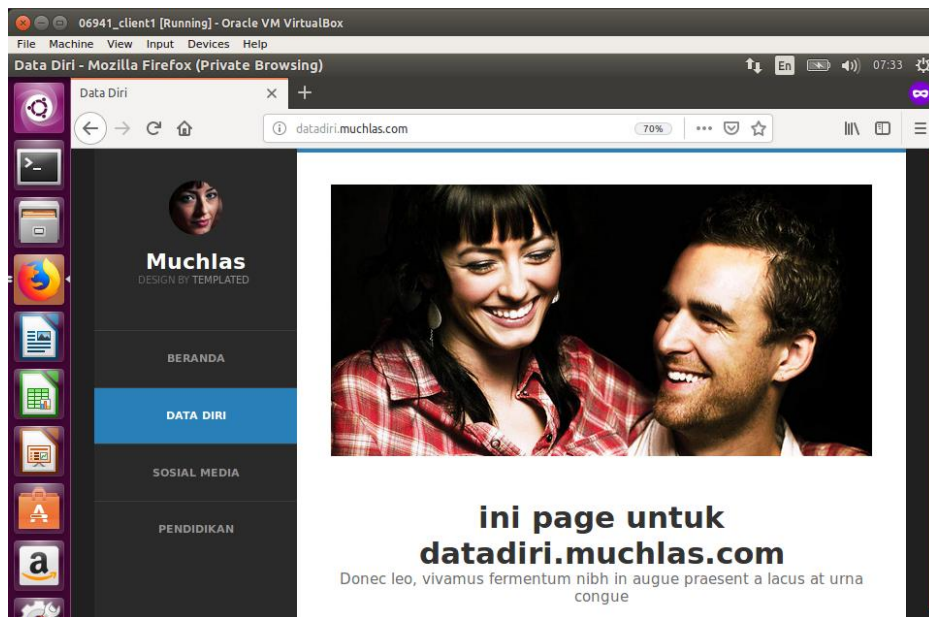18. Edit file index.html



19. Dan hasil akhirnya ialah sebagai berikut
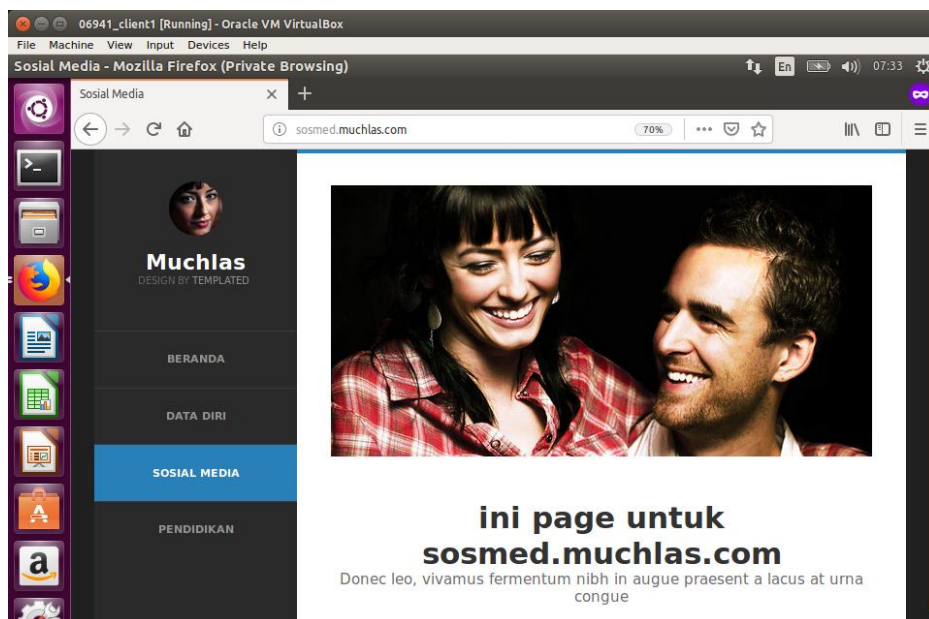
    a. Client 1
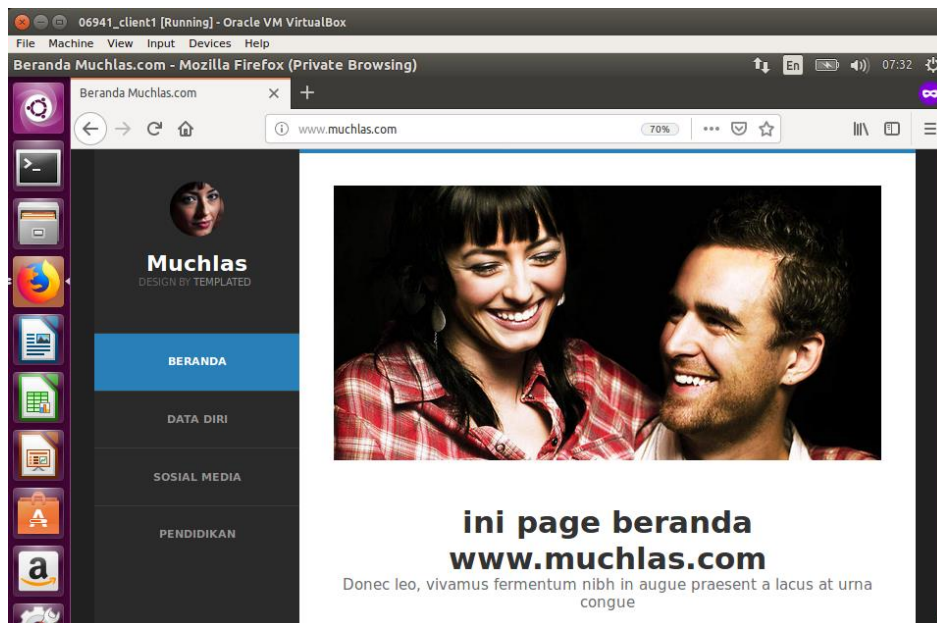


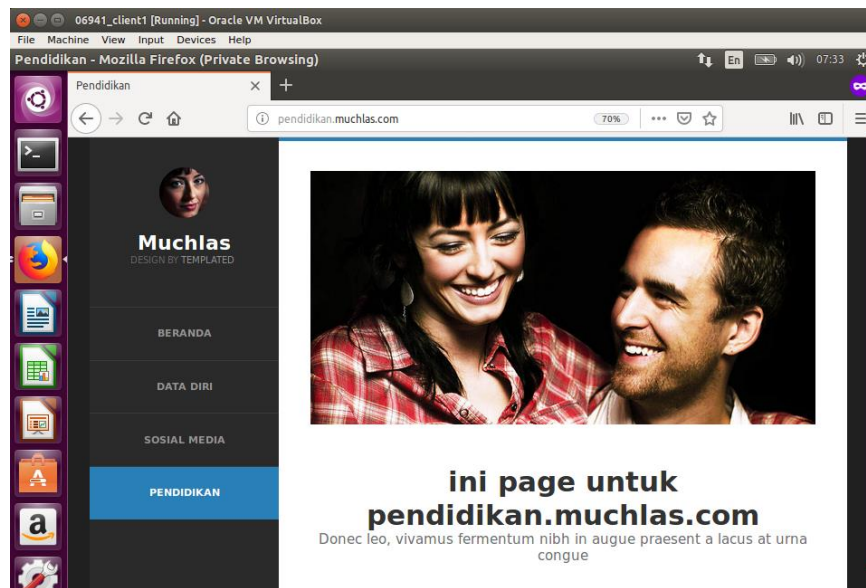*namapanggilan.com*

# TUGAS PRAKTIKUM
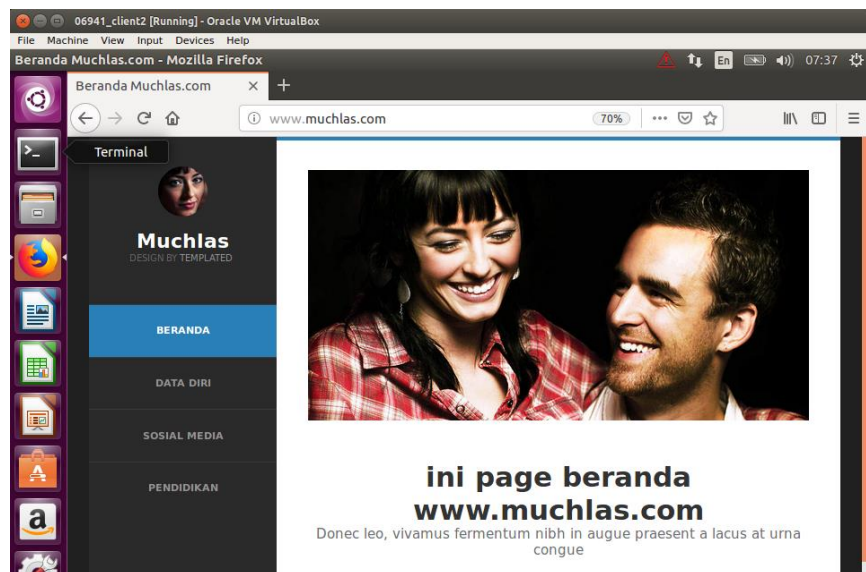


*datadiri.namapanggilan.com*



*sosmed.namapanggilan.com*
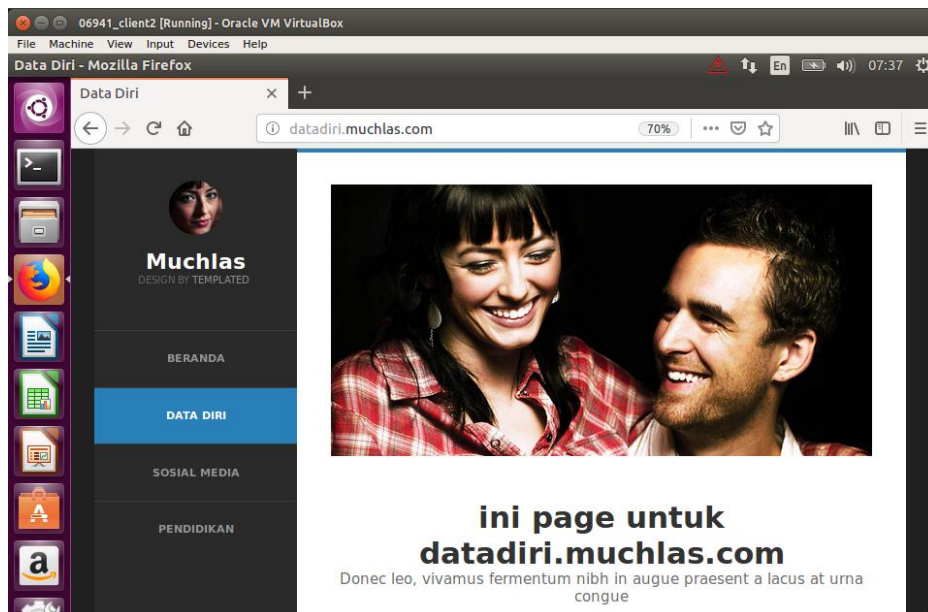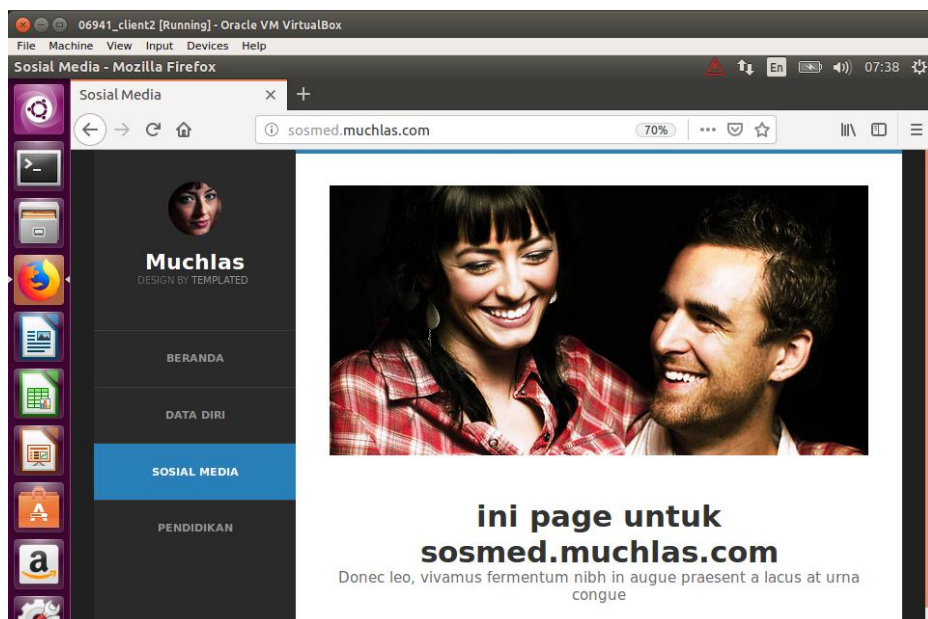
# TUGAS PRAKTIKUM



*pendidikan.namapanggilan.com*

b.  Client 2



*namapanggilan.com*

# TUGAS PRAKTIKUM



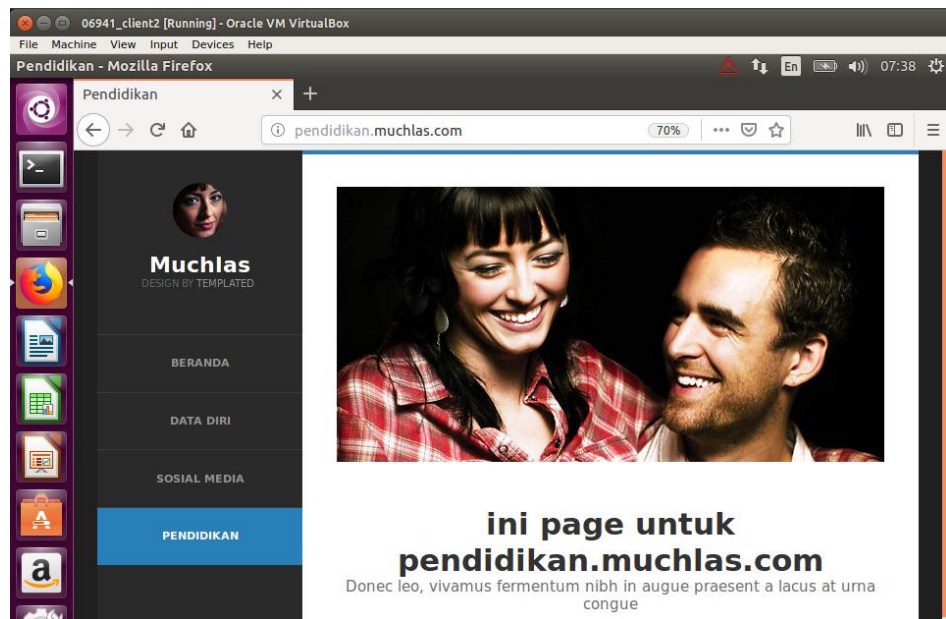*datadiri.namapanggilan.com*



*sosmed.namapanggilan.com*

# TUGAS PRAKTIKUM



*pendidikan.namapanggilan.com*