

# KONFIGURASI DEBIAN LENNY

TCP/IP, DNS SERVER, WEBSERVER, FTP SERVER,  
MAIL SERVER, ROUTING, PROXY SERVER,  
DHCP SERVER, DAN STREAMING SERVER



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**KOMPETENSI KEAHLIAN  
TEKNIK KOMPUTER DAN JARINGAN  
PEMERINTAH KABUPATEN MOJOKERTO  
DINAS PENDIDIKAN  
SMK NEGERI 1 PUNGGING**



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## KONFIGURASI TCP/IP

vim /etc/network/interfaces

```
# IP UTAMA
auto eth0
iface eth0 inet static
    address 192.168.102.29
    netmask 255.255.255.0
    gateway 192.168.102.1
#IP UNTUK CLIENT
auto eth0:1
iface eth0:1 inet static
    address 172.17.8.1
    netmask 255.255.255.0
```

/etc/init.d/networking/restart

## KONFIGURASI DNS SERVER

apt-get install bind9

vim /etc/hosts

127.0.0.1 localhost

192.168.102.29 riduwan.co.cc

vim /etc/resolv.conf

search riduwan.co.cc

nameserver 192.168.10.29

vim /etc/bind/named.conf

```
zone "riduwan.co.cc" {
    type master;
    file "/etc/bind/forward";
};

zone "102.168.192.in-addr.arpa" {
    type master;
    file "/etc/bind/reverse";
};
```

cp /etc/bind/db.local /etc/bind/forward

cp /etc/bind/db.127 /etc/bind/reverse

vim /etc/bind/forward

```
;
; BIND forward riduwan.co.cc
;
$TTL 604800
@ IN SOA ns.riduwan.co.cc. root.riduwan.co.cc. (
    2 ; Serial
    604800 ; Refresh
    86400 ; Retry
    2419200 ; Expire
    604800 ) ; Negative Cache TTL
;
@ IN NS riduwan.co.cc.
@ IN A 192.168.102.29
www IN A 192.168.102.29
ftp IN A 192.168.102.29
mail IN A 192.168.102.29
stream IN A 192.168.102.29
```

```

vim /etc/bind/reverse
;
; BIND reverse riduwan.co.cc
;
$TTL 604800
@ IN SOA ns.riduwan.co.cc. root.riduwan.co.cc. (
                                1      ; Serial
                                604800 ; Refresh
                                86400  ; Retry
                                2419200 ; Expire
                                604800 ) ; Negative Cache TTL
;
@ IN NS riduwan.co.cc.
29 IN PTR riduwan.co.cc.
29 IN PTR www.riduwan.co.cc.
29 IN PTR ftp.riduwan.co.cc.
29 IN PTR mail.riduwan.co.cc.
29 IN PTR stream.riduwan.co.cc.
/etc/init.d/bind9 restart

```

### KONFIGURASI WEB SERVER

```

apt-get install apache2 mysql-server php5 phpmyadmin php5-cli
cp /etc/apache2/sites-available/default /etc/apache2/sites-available/www
vim /etc/apache2/sites-available/www

```

```

<VirtualHost *:80>
    ServerAdmin webmaster@riduwan.co.cc
    ServerName www.riduwan.co.cc
    DocumentRoot /home/tkj/public/www/
    <Directory />
        Options FollowSymLinks
        AllowOverride None
    </Directory>
    <Directory /home/tkj/public/www/>
        Options Indexes FollowSymLinks MultiViews
        AllowOverride None
        Order allow,deny
        allow from all

```

a2ensite www

a2dissite default

```
mkdir /home/tkj/public/www/
```

Masukkan joomla pada direktori /home/tkj/public\_html/www

```
chmod 777 /home/tkj/public/www/
```

Buka browser [www.riduwan.co.cc/phpmyadmin](http://www.riduwan.co.cc/phpmyadmin)

Buat database baru dengan nama www

```
/etc/init.d/mysql restart
```

```
/etc/init.d/apache2 restart
```

Buka browser [www.riduwan.co.cc](http://www.riduwan.co.cc)

Lengkapi pendaftaran joomla dan jalankan web kita.

## KONFIGURASI FTP SERVER

apt-get install proftpd

Kita buat user untuk ftp server kita

chmod 777 /etc/home/tkj

ftp <ftp.riduwan.co.cc>

```
Connected to ftp.riduwan.co.cc.  
220 ProFTPD 1.3.1 Server (Debian) [::ffff:192.168.102.29]  
User (ftp.riduwan.co.cc:(none)): tkj  
331 Password required for tkj  
Password:  
230 User tkj logged in  
ftp>
```

Buka browser <ftp.riduwan.co.cc>

Silahkan login dan masuk ftp server

## KONFIGURASI MAIL SERVER

apt-get install postfix courier-imap squirrelmail

vim /etc/postfix/main.cf

```
myhostname = riduwan.co.cc  
alias_maps = hash:/etc/aliases  
alias_database = hash:/etc/aliases  
myorigin = admin.riduwan.co.cc  
mydestination = riduwan.co.cc, admin.riduwan.co.cc, ,  
localhost.riduwan.co.cc  
relayhost =  
mynetworks = 127.0.0.0/8 [::ffff:192.168.102.0/24 [::1]/128  
mailbox_command = procmail -a "$EXTENSION"  
mailbox_size_limit = 0  
recipient_delimiter = +  
inet_interfaces = all  
home_mailbox = Maildir/
```

/etc/squirrelmail/conf.pl

Tekan 2 => enter isikan domain.

Tekan r => enter untuk kembali ke menu utama.

Tekan d => enter isikan *courier* Tekan enter 2 kali.

Tekan s => enter untuk menyimpan konfigurasi.

Tekan q => enter untuk keluar.

cd /etc/skel

maildirmake Maildir

Membuat user untuk mail

adduser admin

adduser guest

Buat virtualhost baru untuk mail server.

```
cp /etc/apache2/sites-available/www /etc/apache2/sites-available/mail
```

```
vim /etc/apache2/sites-available/mail
```

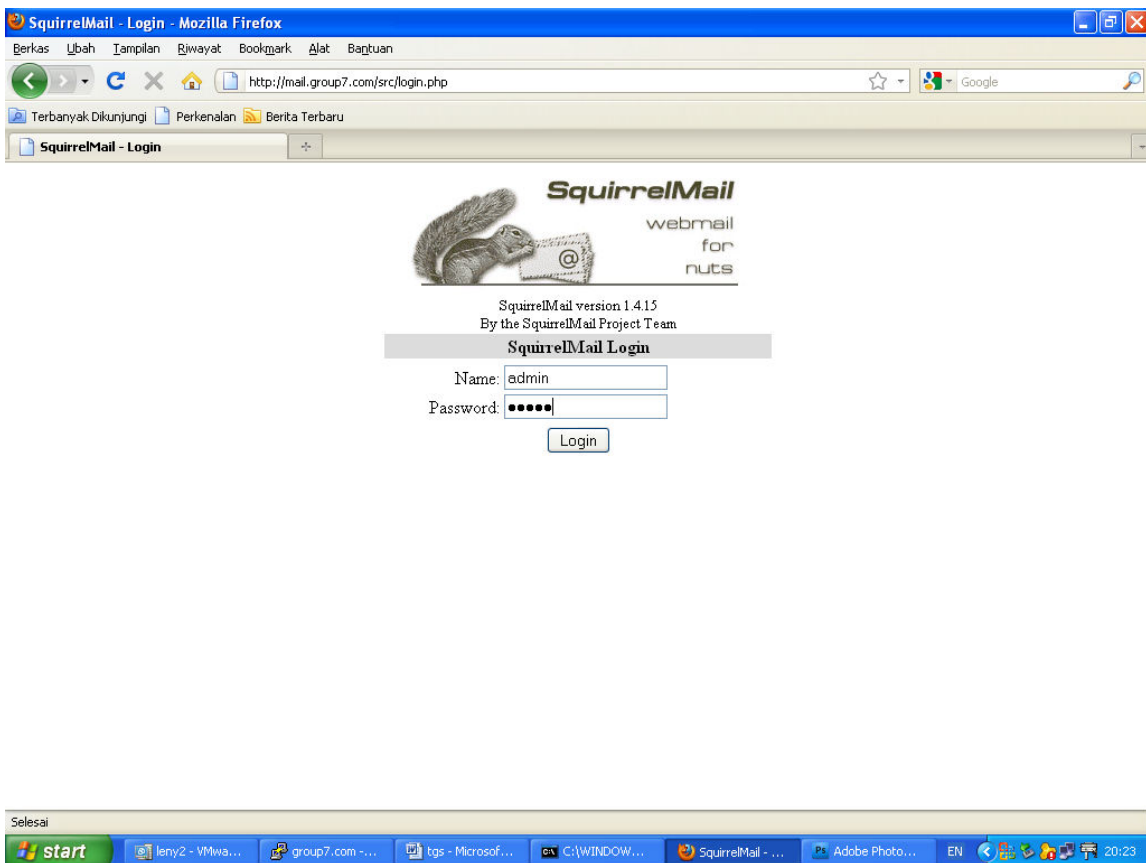
```
<VirtualHost *:80>  
  ServerAdmin webmaster@riduwan .co.cc  
  ServerName mail. riduwan .co.cc  
  DocumentRoot /usr/share/squirrelmail/  
  <Directory />  
    Options FollowSymLinks  
    AllowOverride None  
  </Directory>  
  <Directory /usr/share/squirrelmail/>  
    Options Indexes FollowSymLinks MultiViews  
    AllowOverride None  
    Order allow,deny  
    allow from all
```

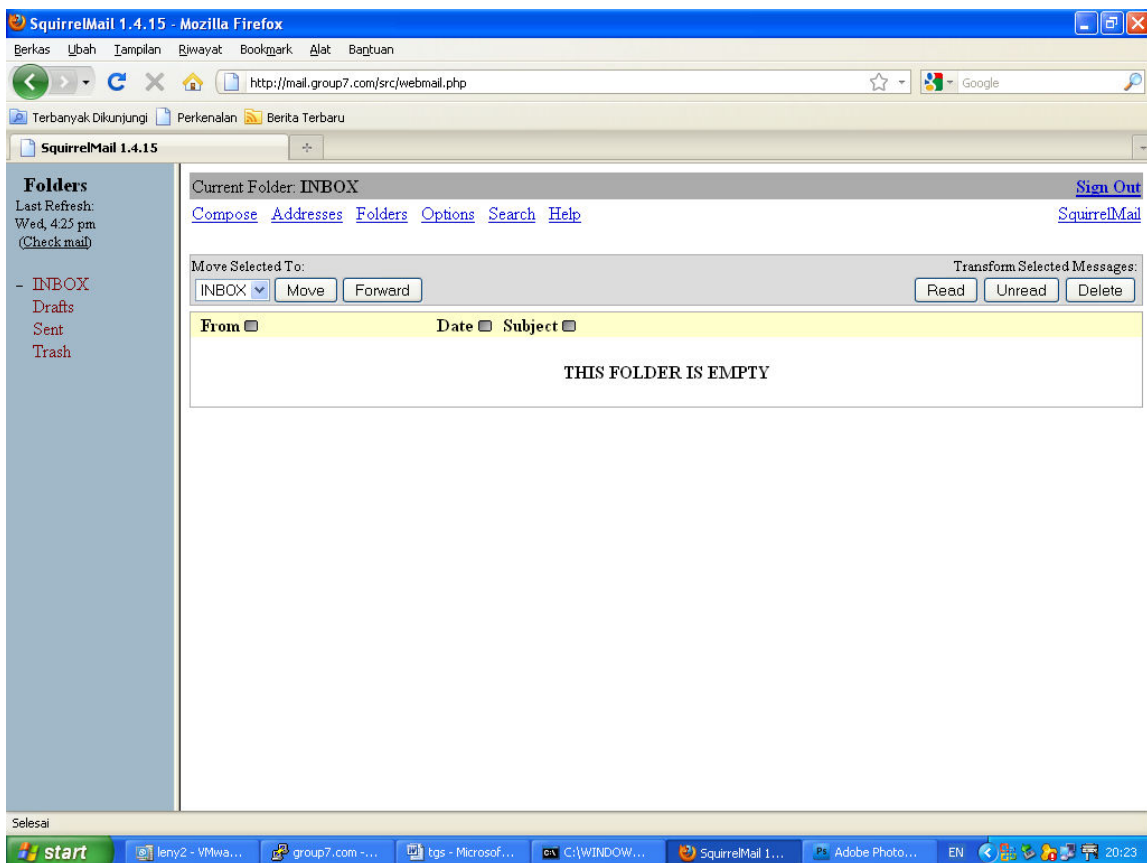
```
/etc/init.d/postfix restart
```

```
/etc/init.d/courier-imap restart
```

```
/etc/init.d/apache2/restart
```

Buka browser [mail.riduwan.co.cc](http://mail.riduwan.co.cc)





## KONFIGURASI ROUTING

Vim /etc/sysctl.conf

Ubah konfigurasi **#net/ipv4/ip\_forward=1** menjadi **net/ipv4/ip\_forward=1**

Aktifkan konfigurasi tersebut dengan mengetikkan perintah :

**sysctl -p**

Masukkan perintah iptables proxy

**iptables -t nat -A PREROUTING -s 172.17.8.1/24 -d 0/0 -p tcp --dport 80 -j REDIRECT --to-ports 3128**

Simpan konfigurasi tersebut pada /etc/rc.local

## KONFIGURASI PROXY SERVER

1.Install Squid **#apt-get install squid**

2.Stop service squid **#/etc/init.d/squid stop**

3.Konfigurasi squid **#vim /etc/squid/squid.conf**

Cari kata http\_port 3128 kemudian kita tambahkan kata transparent sehingga menjadi:

**http\_port 3128 transparent**

Cari kata acl CONNECT kemudian dibawahnya kita tambahkan

**acl url dstdomain "/etc/squid/url"**

**acl key url\_regex -i "/etc/squid/key"**

```
no_cache deny url
no_cache deny key
http_access deny url
http_access deny key
```

Cari kata INSERT YOUR kemudian dibawahnya kita tambahkan

```
Acl our_network src ip 172.17.8.1
http_access allow our_network
http_access allow all
```

Cari kata `http_access deny all` (ada 2) kemudian semuanya di tambah tanda # di depannya

Cari `cache_mem 8 M` ubah 8 M menjadi 1/4 dari ram PC kemudian hilangkan tanda #

Cari `cache_dir ufs /var/spool/squid 10000 16 256`

Cari `cache_swap_low` hilangkan tanda # pada high dan low

Cari `cache_log /var/log/squid/cache.log` hilangkan tanda #

Cari `cache_store /var/log/squid/store.log` hilangkan tanda #

Cari `ipcache_size` hilangkan tanda # pada size, low ,dan high

Jika ingin ganti nama administrator yang blok access:

**TAG:** `cache_mgr` (nama pengeblok)

Simpan konfigurasi

4.Membuat daftar situs yang di blokir

```
#vim /etc/squid/url
```

Misalkan yang akan diblokir adalah facebook maka ketikkan [www.facebook.com](http://www.facebook.com) setelah selesai membuat daftar situs-situs yang di blokir simpanlah file.

5.Membuat daftar kata kunci yang di blokir

```
#vim /etc/squid/key
```

Misalkan kata yang di blokir adalah sex maka ketikkan sex pada daftar an simpan file

6.Membuat directori swap

```
#squid -z
```

7.Menjalankan squid

```
#/etc/init.d/squid start
```

8. Buka browser dan coba browsing situs yang sudah di blokir dan yang tidak di blokir untuk menguji hasil proxy server.

## KONFIGURASI DHCP SERVER

```
apt-get install dhcp3-server
```

```
vim /etc/dhcp3/dhcpd.conf
```

```
# IP SENG DHCP
subnet 172.17.8.0 netmask 255.255.255.0 {
range 172.17.8.2 172.17.8.254;
option domain-name "riduwan.co.cc";
option domain-name-servers 202.134.1.10 119.2.42.250;
```



```
option routers 172.17.8.1;
option broadcast-address 172.17.8.255;
default-lease-time 600;
max-lease-time 7200; }
```

Dari computer client coba setting ip address secara obtain/dynamic, jika computer tersebut mendapatkan ip address dari server secara otomatis, maka konfigurasi dhcp server sukses.

### STREAMING SERVER

1. Download dulu aplikasi web ostube dari internet, dari 4shared.com juga bisa.
2. Tambahkan repository baru pada source-list
 

```
deb http://www.debian-multimedia.org lenny main non-free
deb ftp://ftp.debian-multimedia.org lenny main non-free
deb http://www.debian-multimedia.org stable main non-free
deb ftp://ftp.debian-multimedia.org stable main non-free
```
3. Lakukan instalasi mplayer mencoder ruby dan flvtool2
 

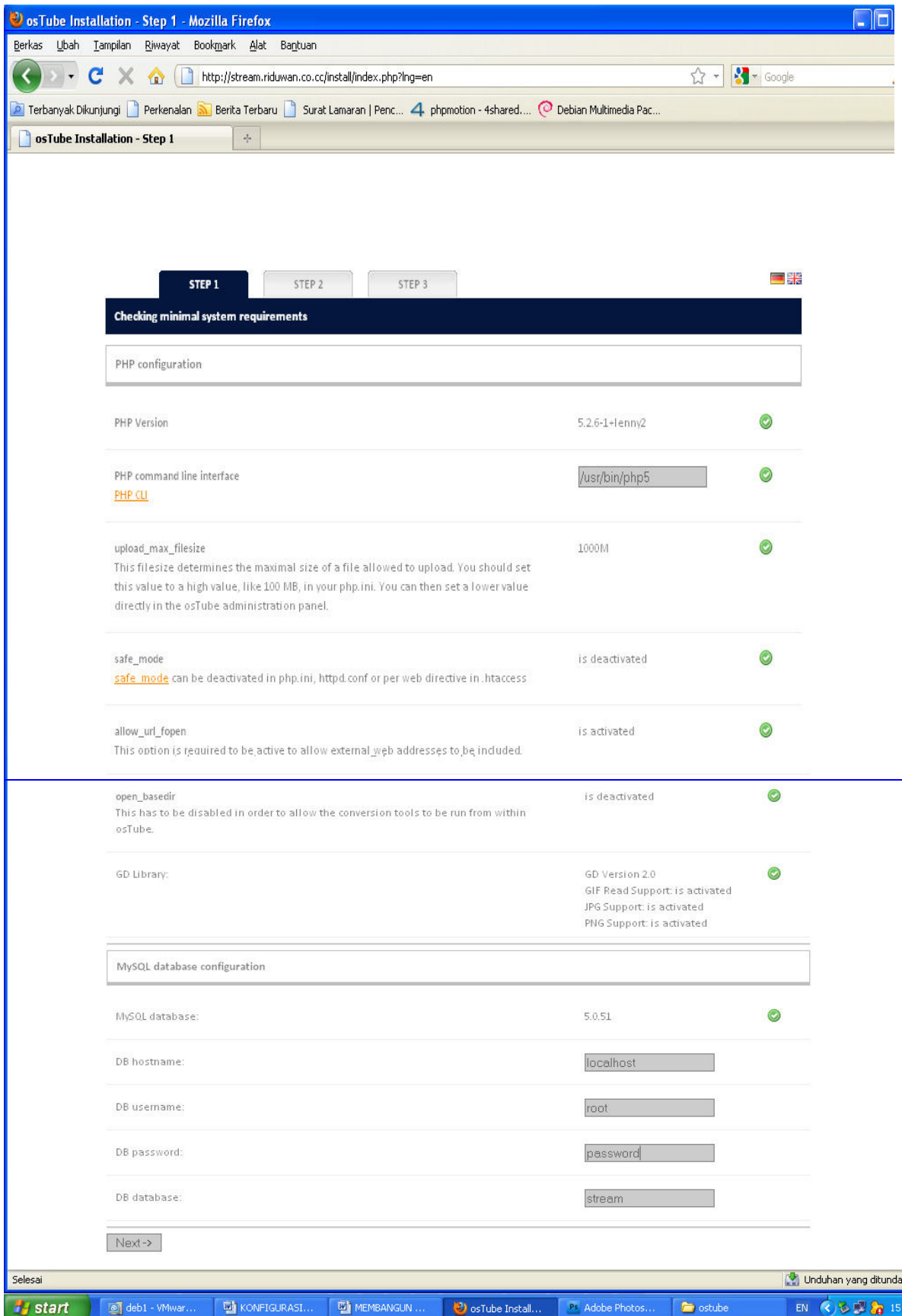
```
apt-get install mplayer mencoder ruby flvtool2
```
4. Buat folder baru
 

```
mkdir /home/tkj/public/stream
chmod 777 /home/tkj/public/stream
```
5. Masukkan atau ekstrak ostube ke dalam direktori `/home/tkj/public/stream`
6. Buat virtualhost baru
 

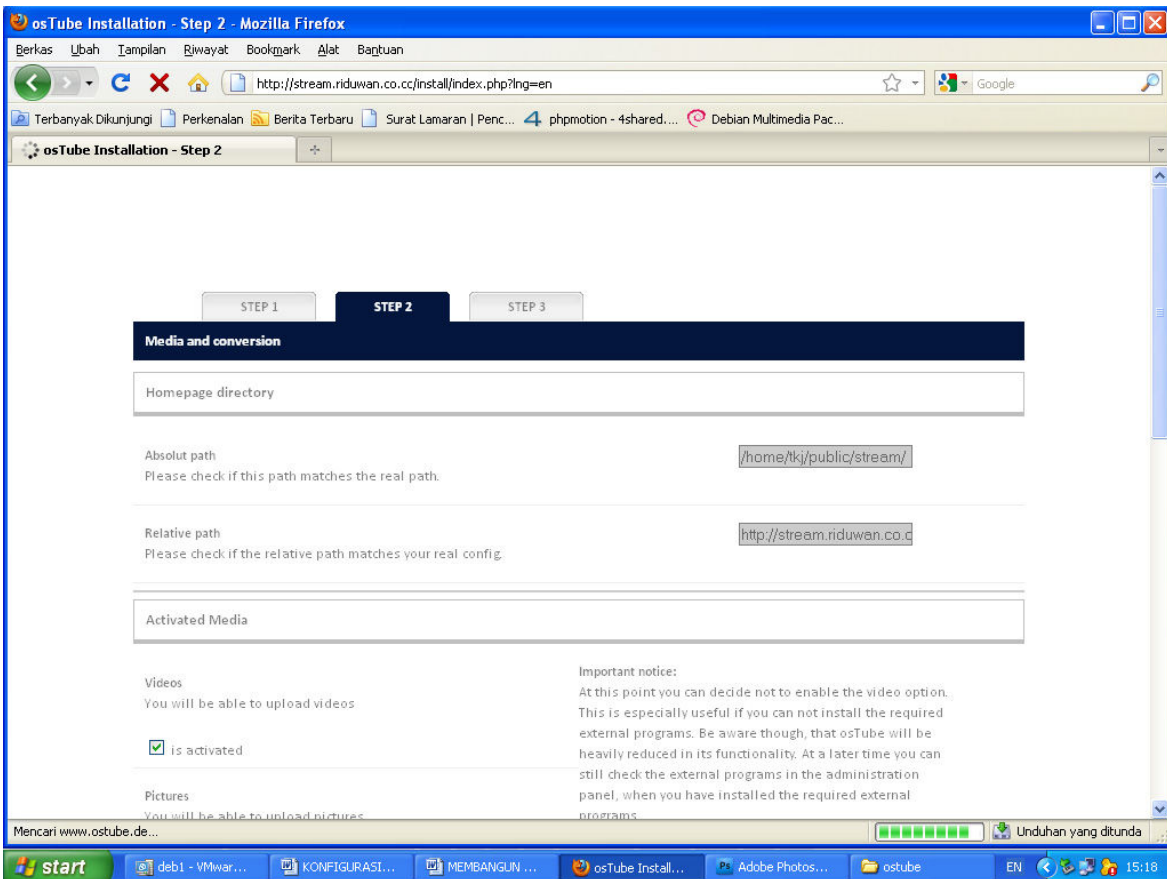
```
cp /etc/apache2/sites-available/www /etc/apache2/sites-available/stream
vim /etc/apache2/sites-available/stream
```

```
<VirtualHost *:80>
ServerAdmin webmaster@riduwan .co.cc
ServerName stream. riduwan .co.cc
DocumentRoot /home/tkj/public/stream/
<Directory />
Options FollowSymLinks
AllowOverride None
</Directory>
<Directory /home/tkj/public/stream/>
Options Indexes FollowSymLinks MultiViews
AllowOverride None
Order allow,deny
allow from all
ScriptAlias /cgi-bin/ /home/tkj/public/stream/cgi-bin/
<Directory "/usr/lib/cgi-bin">
AllowOverride None
Options ExecCGI -MultiViews +SymLinksIfOwnerMatch
Order allow,deny
Allow from all
</Directory>
```
7. Aktifkan virtualhost tersebut `a2ensite stream`
8. `vim /etc/php5/apache2/php.ini`

```
; Maximum size of POST data that PHP will accept.
post_max_size = 1000M
; Maximum allowed size for uploaded files.
upload_max_filesize = 1000M
```
9. `/etc/init.d/apache2 restart`
10. Browsing [stream.riduwan.co.cc](http://stream.riduwan.co.cc)



11. Step1 jika sudah hijau semua, isikan mysql configuration, buat database baru, klik next.



12. Step 2 jika sudah hijau, klik next.

13. `chmod 777 /home/tkj/public/stream/includes`

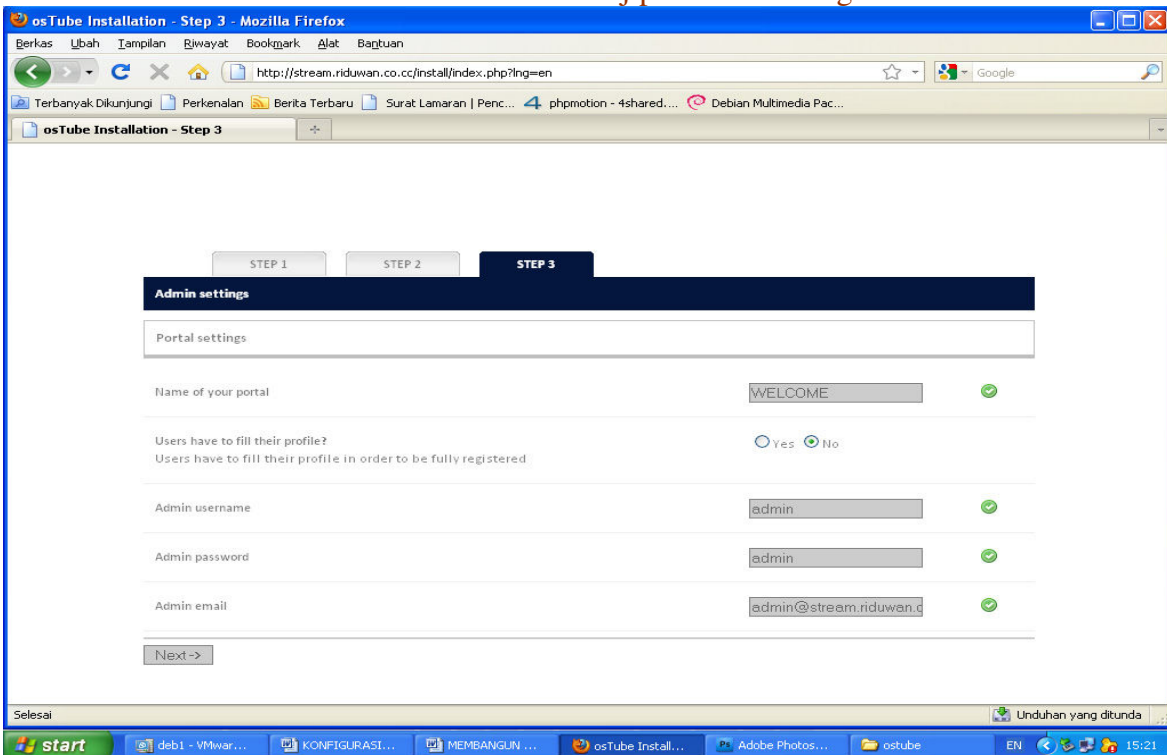
14. `vim /home/tkj/public/stream/cgi-bin/uu_default_config.pm`

```
upload_dir => $ENV{'DOCUMENT_ROOT'} . '/ostube/media/tmp',
redirect_url => 'http://' . $ENV{'SERVER_NAME'} .
'/ostube/upload.php',
path_to_upload => 'http://' . $ENV{'SERVER_NAME'} .
'/ostube/uploads',
```

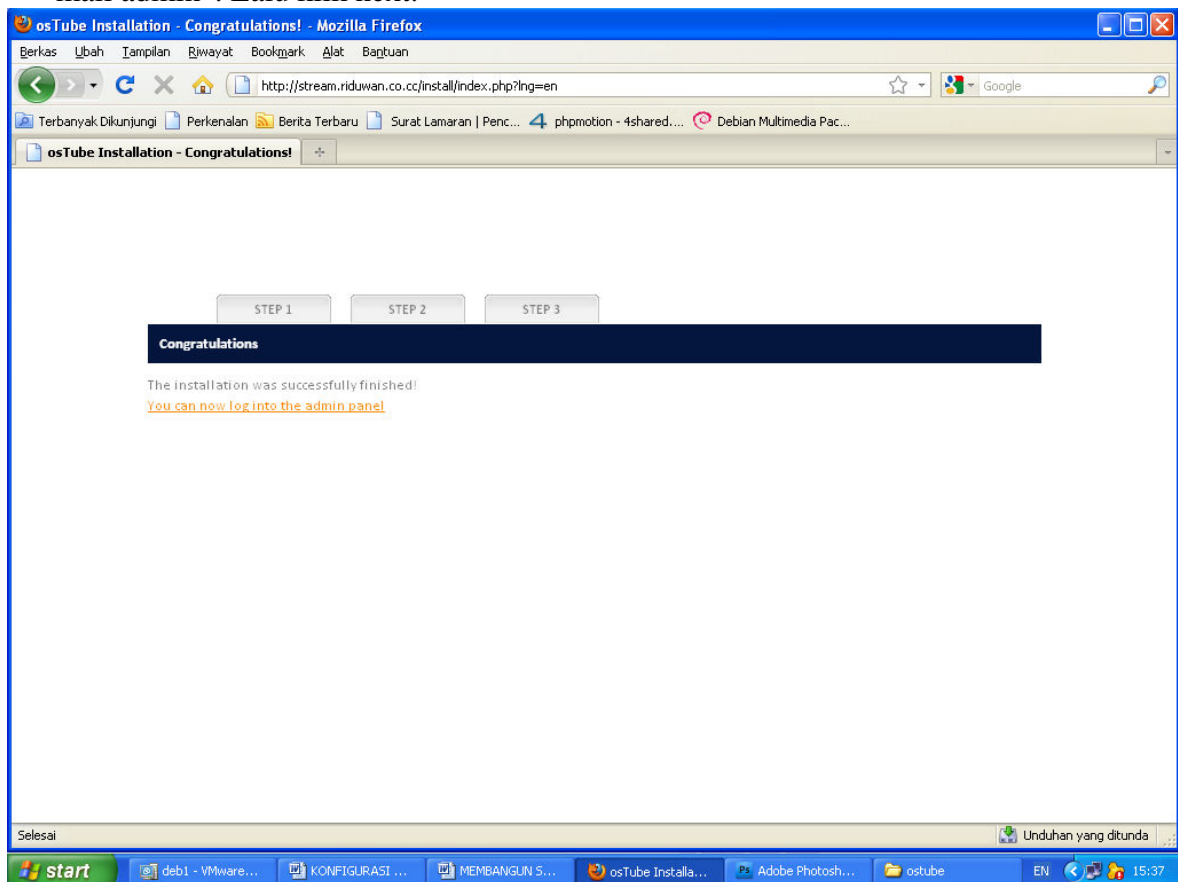
15. `cp * /home/tkj/public/stream/cgi-bin`

16. `chmod +x *`

17. `chown-R www-data.www-data /home/tkj/public/stream/cgi-bin`

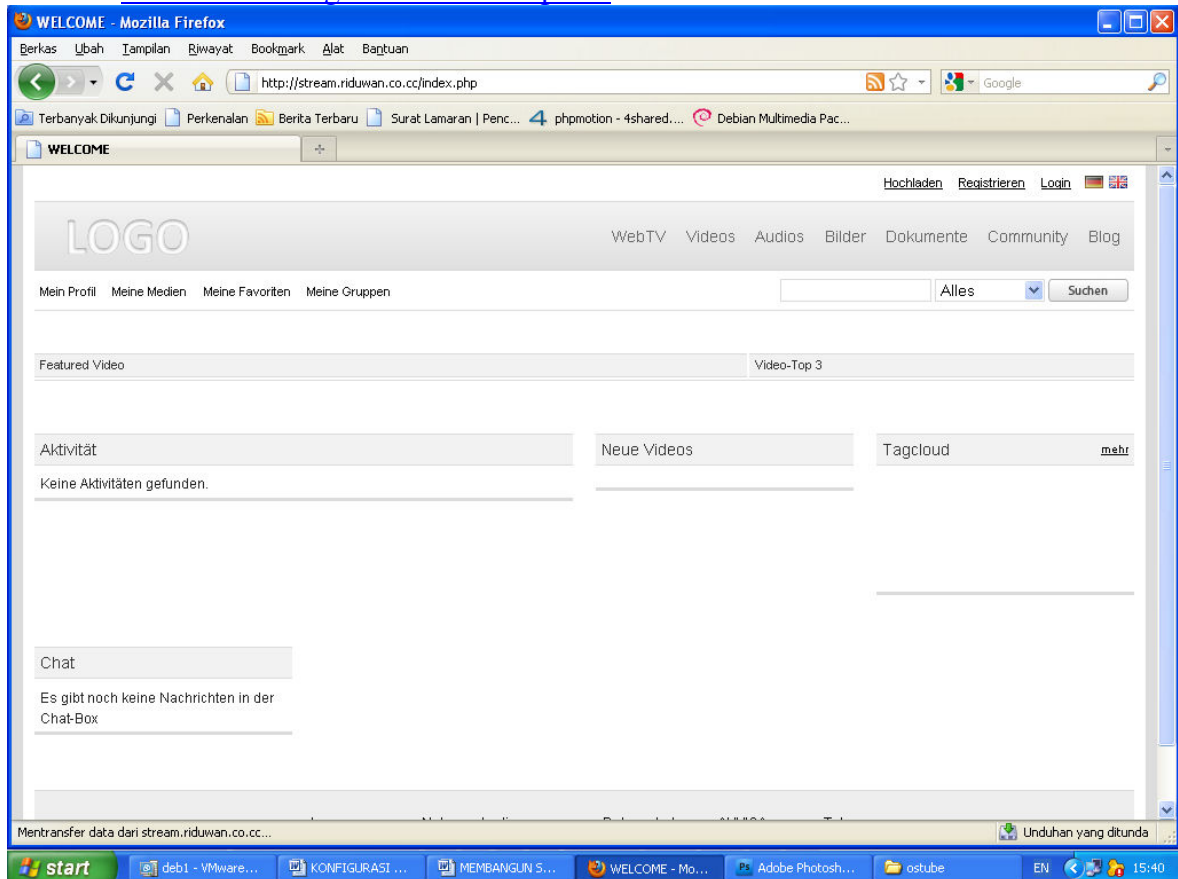


18. Step 3, masukkan “nama portal”, “username admin”, “password admin”, dan “e-mail admin”. Lalu klik next.



19. Hapus folder install pada /home/tkj/public/stream

20. Klik [You can now log into the admin panel](#)



21. Streaming server sudah jadi, sekarang bisa kita atur tampilan dan upload video, dokumen, audio, dan gambar.

**SELESAI !!!**

