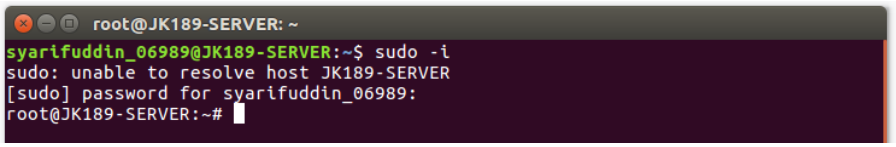
TUGAS PRAKTIKUM

SOAL PRAKTIKUM

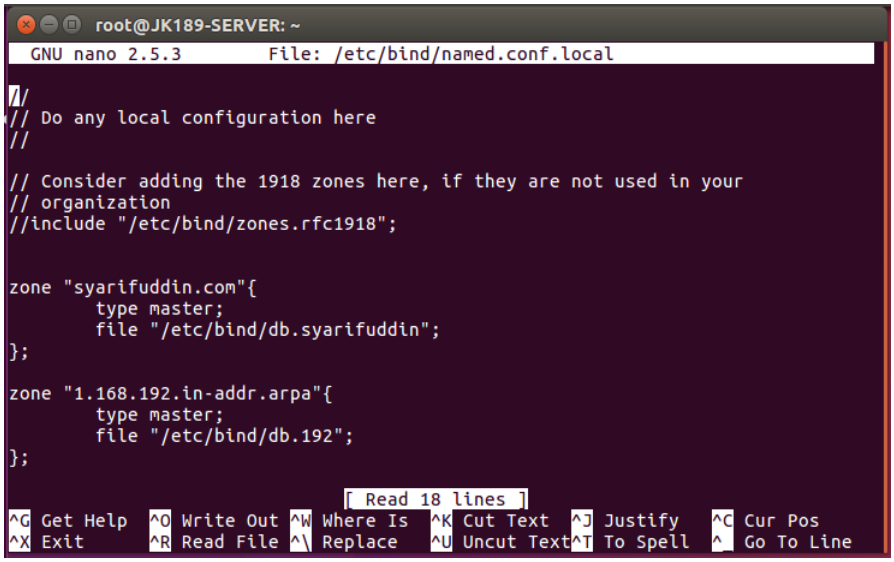
Buatkan sebuah Mail Server dari domain yang telah kalian buat pada pertemuan sebelumnya, konfigurasikan pada server kalian dan dapat diakses oleh kedua client. Kemudian, masing-masing client saling bertukar email melalui Mail Server yang telah kalian buat! **(60 poin)**

Jawaban :

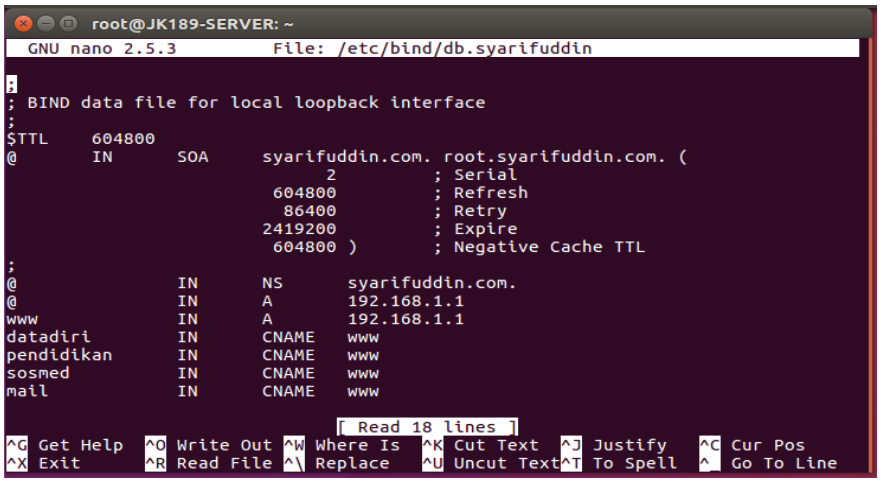
1. Login sebagai root.

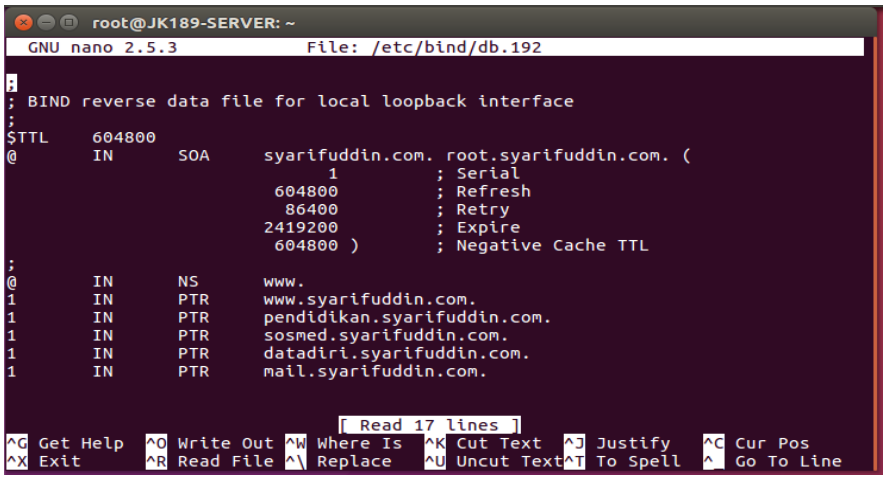


2. Pertama set IP server menjadi **192.168.1.1/24**, dan install **nginx** serta **bind** dengan domain nama_panggilan.com yang memiliki subdomain mail.nama_panggilan.com



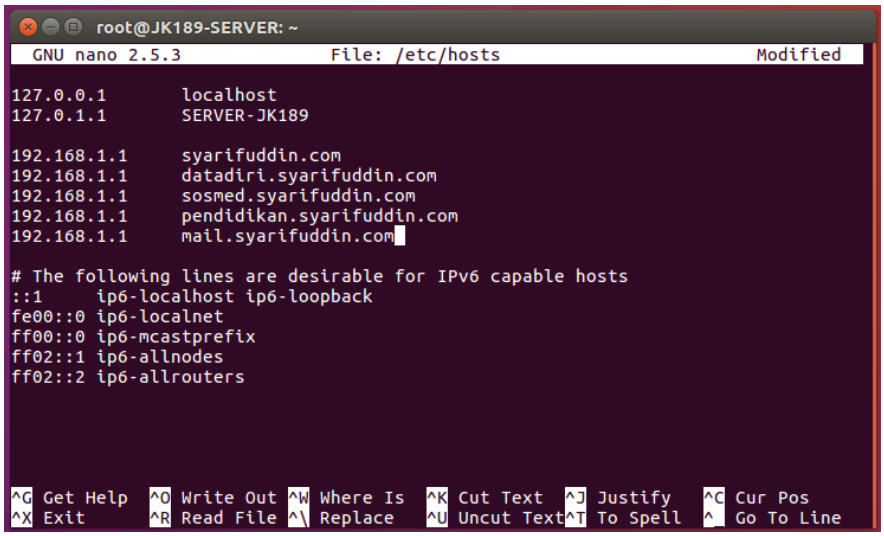
TUGAS PRAKTIKUM





3. Tambahkan domain baru pada file **"/etc/hosts"** dengan perintah :

   # nano /etc/hosts



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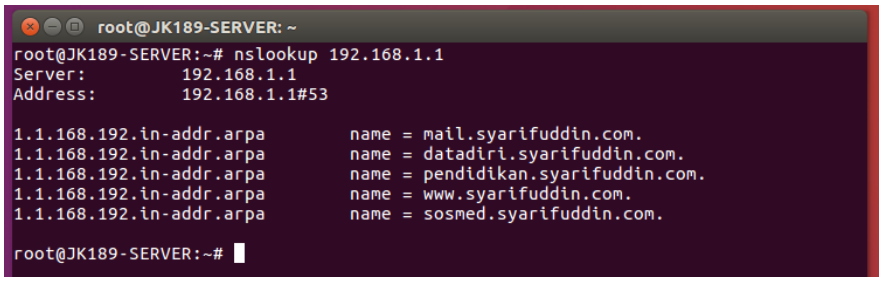
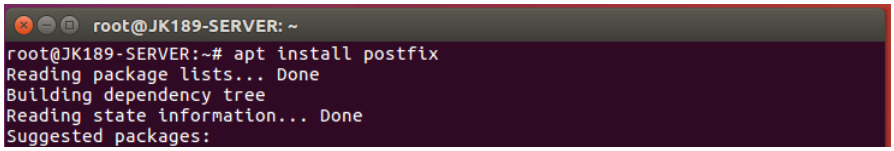
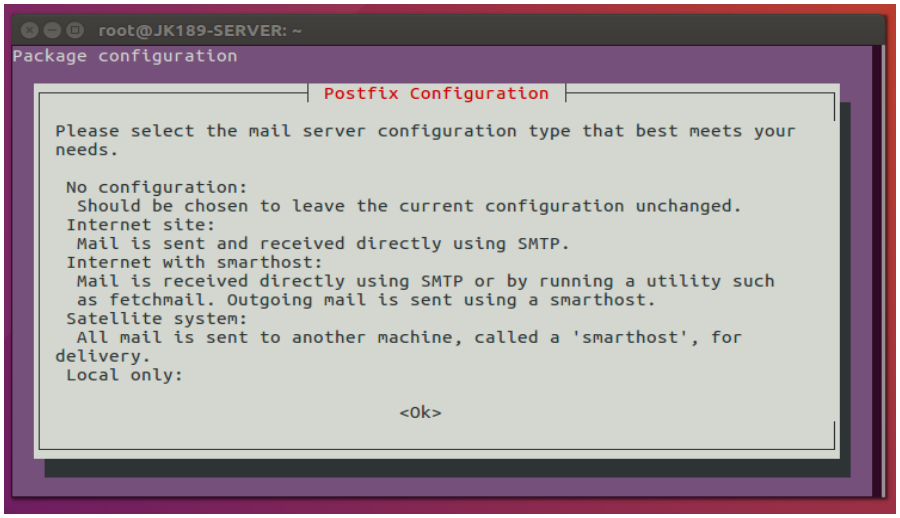
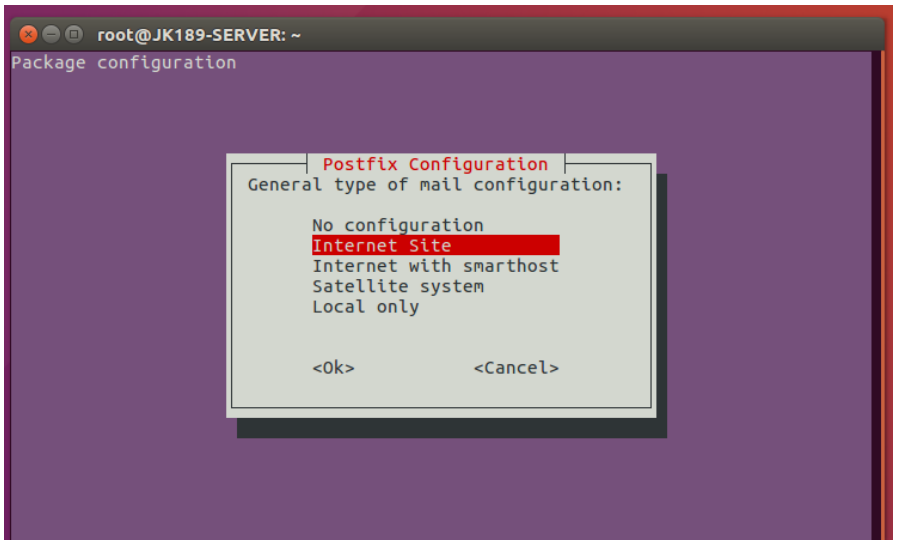


4. Install **postfix** dengan perintah:

   # apt-get install postfix







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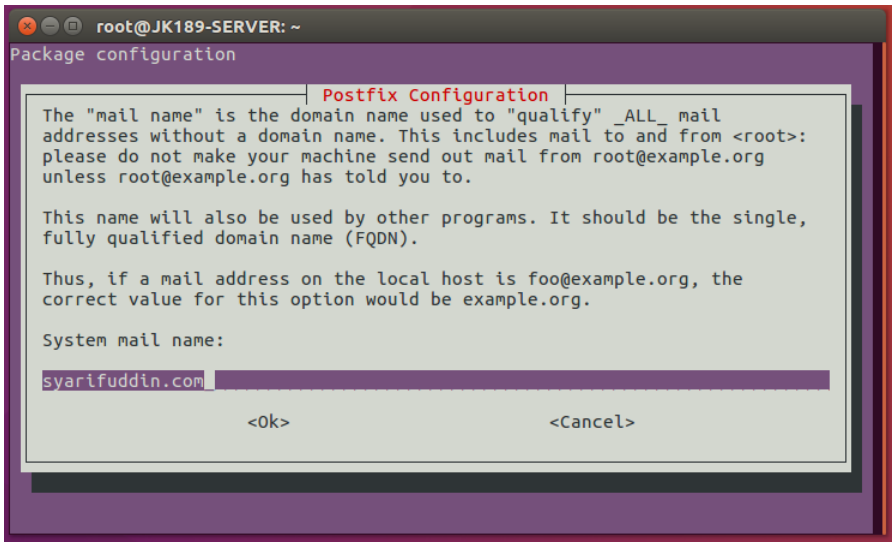

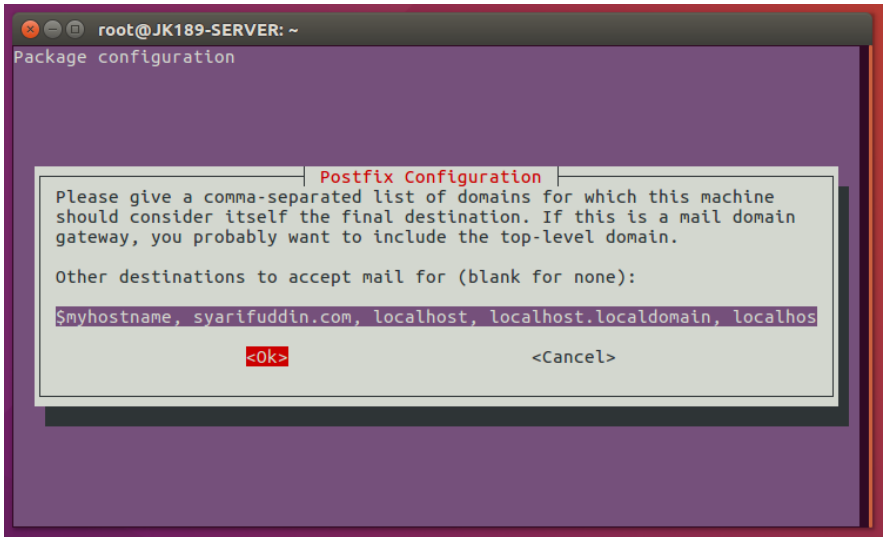

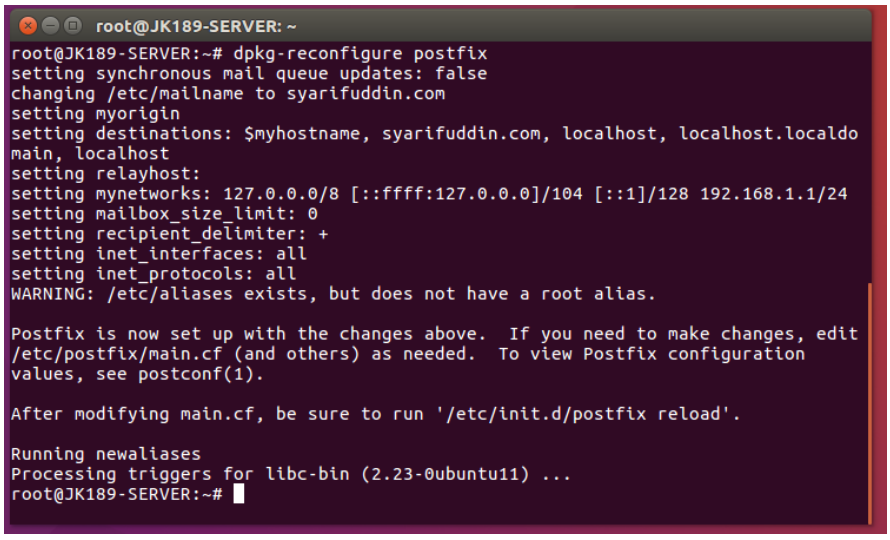

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```
root@JK189-SERVER: ~
root@JK189-SERVER:~# /etc/init.d/postfix start
[ ok ] Starting postfix (via systemctl): postfix.service.
root@JK189-SERVER:~# /etc/init.d/postfix reload
[ ok ] Reloading postfix configuration (via systemctl): postfix.service.
root@JK189-SERVER:~#
```

5. Install **dovecot** dengan perintah:

   # apt-get install dovecot-imapd dovecot-pop3d

```
root@JK189-SERVER: ~
root@JK189-SERVER:~# apt install dovecot-imapd dovecot-pop3d
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  dovecot-core ntpdate
Suggested packages:
  ntp dovecot-gssapi dovecot-sieve dovecot-pgsql dovecot-mysql dovecot-sqlite
  dovecot-ldap dovecot-lmtpd dovecot-managesieved dovecot-solr
The following NEW packages will be installed:
  dovecot-core dovecot-imapd dovecot-pop3d ntpdate
0 upgraded, 4 newly installed, 0 to remove and 142 not upgraded.
Need to get 2.642 kB of archives.
After this operation, 8.426 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

6. Konfigurasi dovecot dengan perintah:

   # nano /etc/dovecot/conf.d/10-mail.conf

```
root@JK189-SERVER: ~
root@JK189-SERVER:~# nano /etc/dovecot/conf.d/10-mail.conf
```

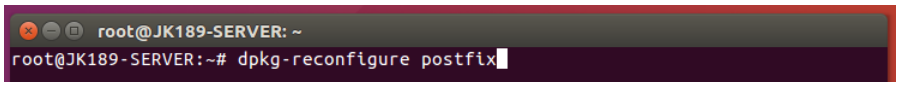
   Tambahkan kata yang diblok seperi dibawah ini

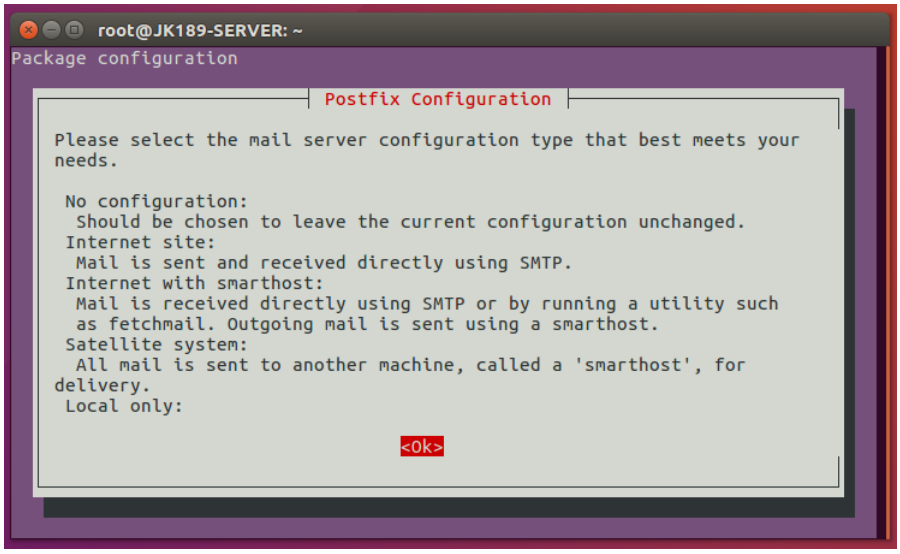
```
root@JK189-SERVER: ~
  GNU nano 2.5.3      File: /etc/dovecot/conf.d/10-mail.conf          Modified

#
# See doc/wiki/Variables.txt for full list. Some examples:
#
#   mail_location = maildir:~/Maildir
#   mail_location = mbox:~/mail:INBOX=/var/mail/%u
#   mail_location = mbox:/var/mail/%d/%1n/%n:INDEX=/var/indexes/%d/%1n/%n
#
# <doc/wiki/MailLocation.txt>
#
#mail_location = mbox:~/mail:INBOX=/var/mail/%u
mail_location = maildir:~/Maildir

# If you need to set multiple mailbox locations or want to change default
# namespace settings, you can do it by defining namespace sections.
#
# You can have private, shared and public namespaces. Private namespaces
# are for user's personal mails. Shared namespaces are for accessing other
# users' mailboxes that have been shared. Public namespaces are for shared
# mailboxes that are managed by sysadmin. If you create any shared or public

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text^T To Spell  ^_ Go To Line
```

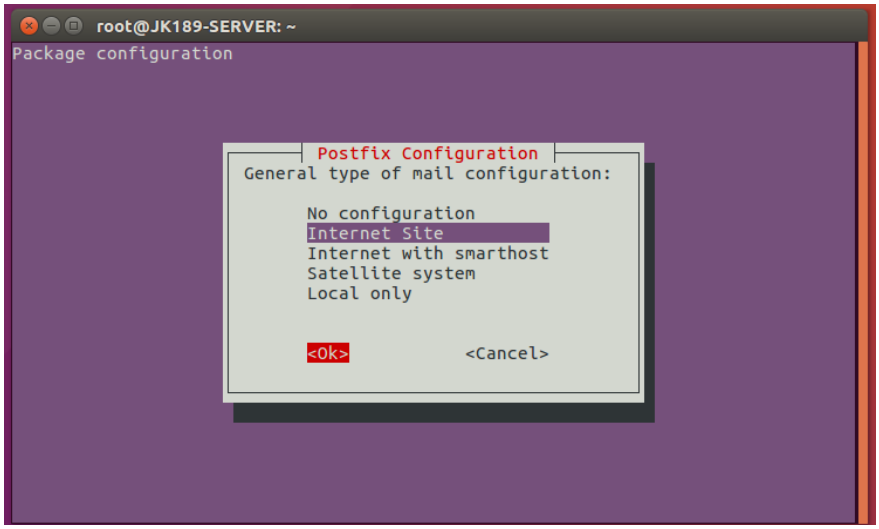
TUGAS PRAKTIKUM

7. Konfigurasi postfix dengan perintah:

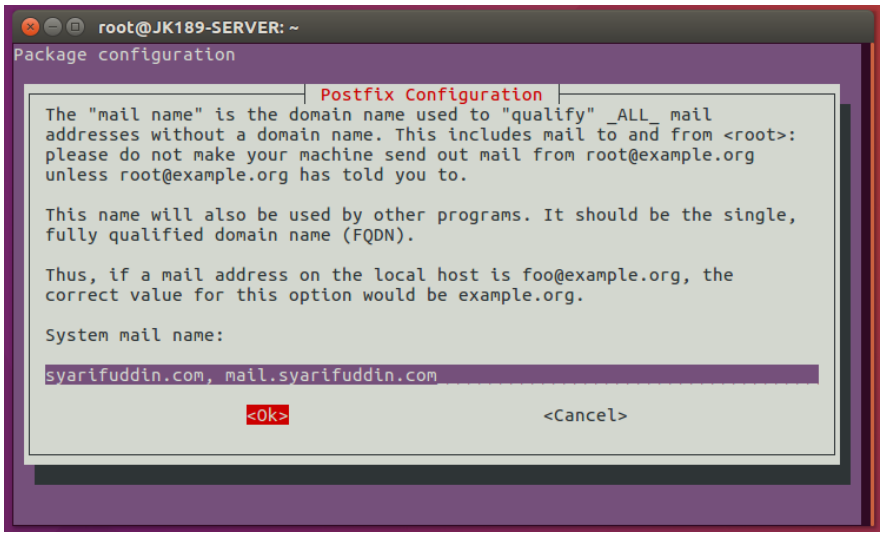
   # dpkg-reconfigure postfix

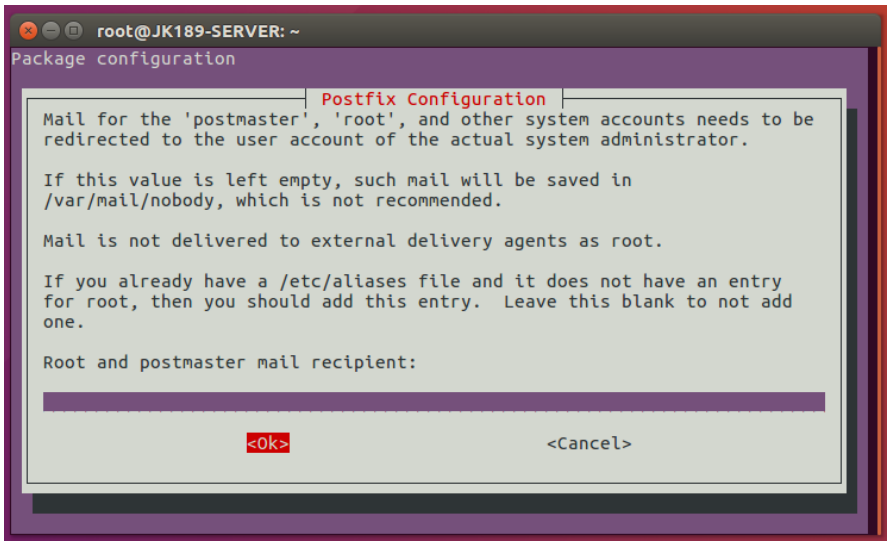


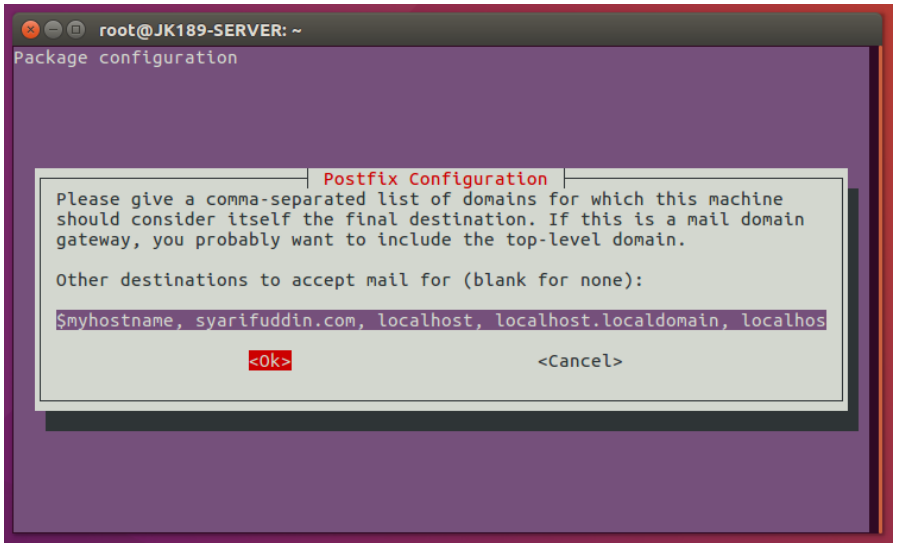




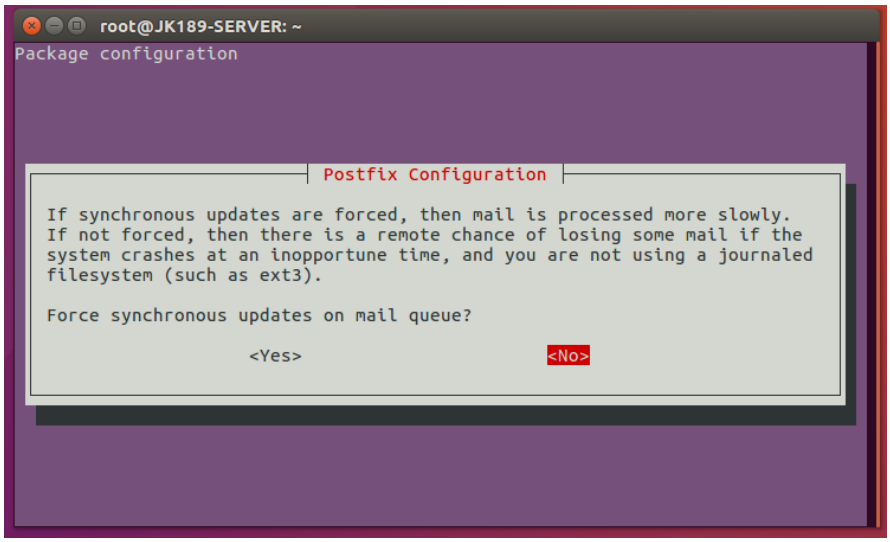
TUGAS PRAKTIKUM

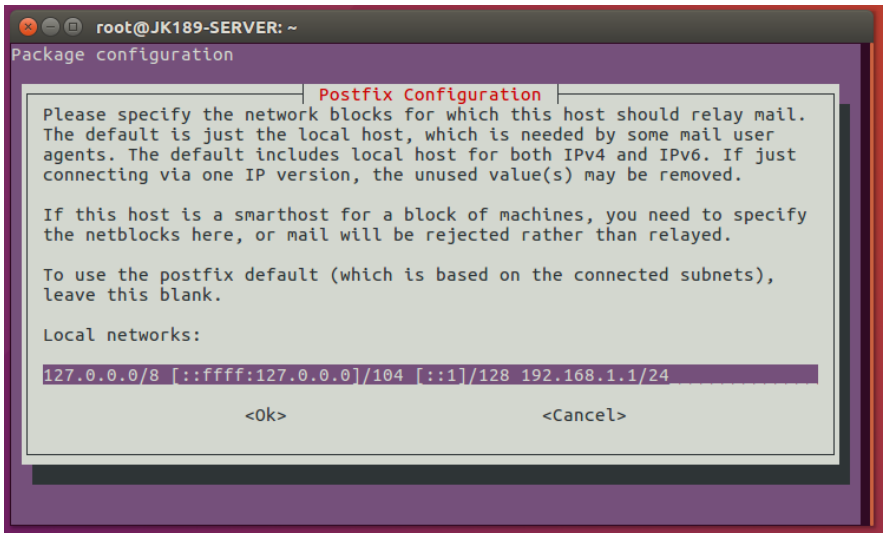


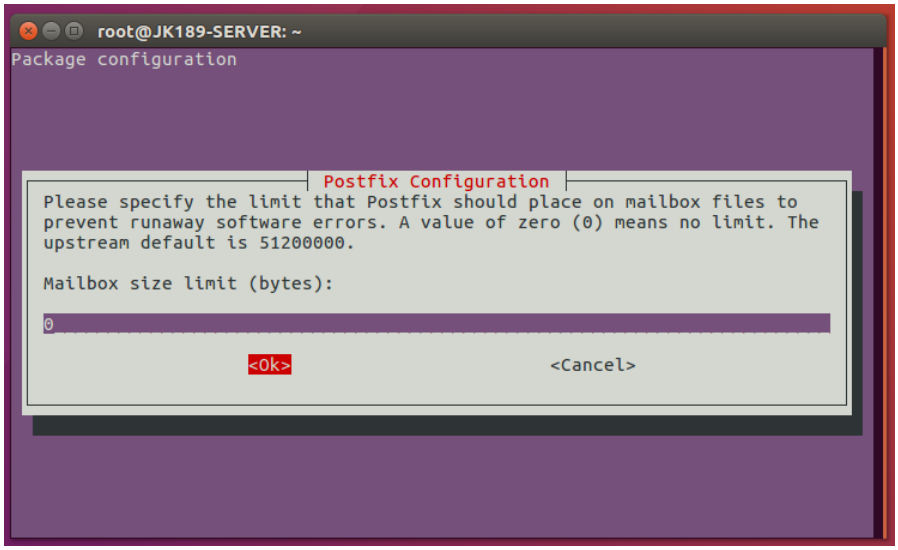




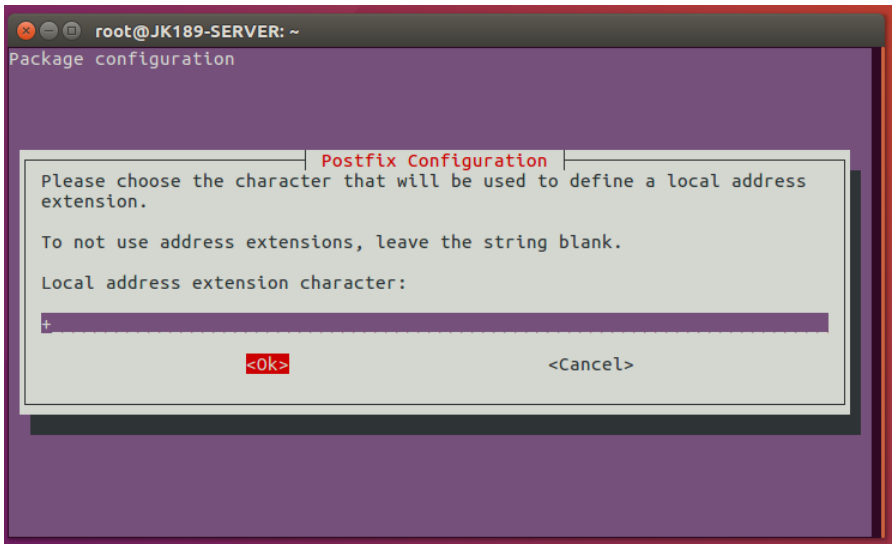
TUGAS PRAKTIKUM

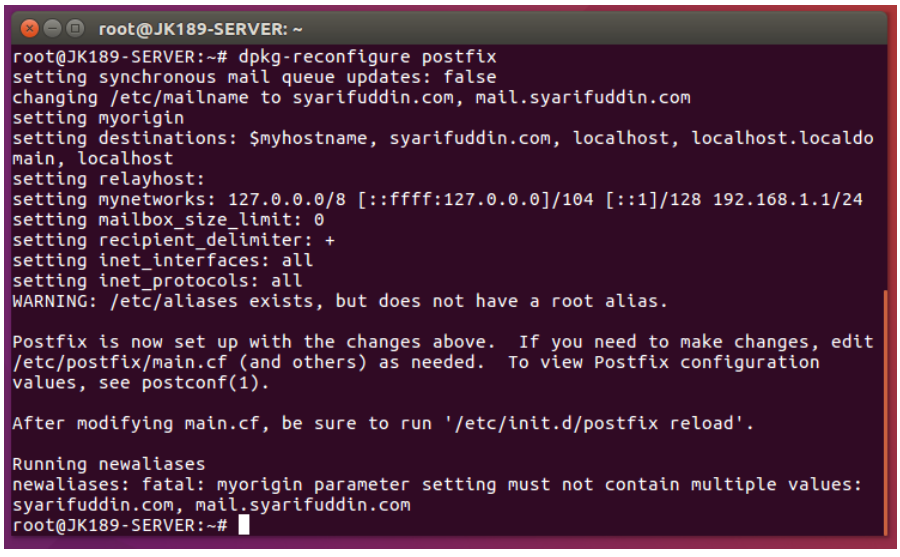






TUGAS PRAKTIKUM





TUGAS PRAKTIKUM

```
root@JK189-SERVER: ~
root@JK189-SERVER:~# /etc/init.d/postfix start
[ ok ] Starting postfix (via systemctl): postfix.service.
root@JK189-SERVER:~# /etc/init.d/postfix reload
[ ok ] Reloading postfix configuration (via systemctl): postfix.service.
root@JK189-SERVER:~#
```

8. Set mailbox pada file “main.cf” dengan perintah:

   # nano /etc/postfix/main.cf

```
root@JK189-SERVER: ~
  GNU nano 2.5.3          File: /etc/postfix/main.cf

myhostname = JK189-SERVER
alias_maps = hash:/etc/aliases
alias_database = hash:/etc/aliases
myorigin = /etc/mailname
mydestination = $myhostname, syarifuddin.com, localhost, localhost.localdomain,$
relayhost =
mynetworks = 127.0.0.0/8 [::ffff:127.0.0.0]/104 [::1]/128 192.168.1.1/24
mailbox_size_limit = 0
recipient_delimiter = +
inet_interfaces = all
inet_protocols = all
home_mailbox = Maildir/

^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Uncut Text^T To Spell  ^_ Go To Line
```

9. Restart service postfix dan dovecot dengan perintah:

   # /etc/init.d/postfix restart

   # /etc/init.d/dovecot restart

```
root@JK189-SERVER: ~
root@JK189-SERVER:~# nano /etc/postfix/main.cf
root@JK189-SERVER:~# /etc/init.d/postfix restart
[ ok ] Restarting postfix (via systemctl): postfix.service.
root@JK189-SERVER:~# /etc/init.d/dovecot
Usage: /etc/init.d/dovecot {start|stop|restart|force-reload|status}
root@JK189-SERVER:~# /etc/init.d/dovecot restart
[ ok ] Restarting dovecot (via systemctl): dovecot.service.
root@JK189-SERVER:~#
```

10. Install squirrelmail dengan perintah:

    # apt-get install squirrelmail

```
root@JK189-SERVER: ~
root@JK189-SERVER:~# apt install squirrelmail
Reading package lists... Done
Building dependency tree
Reading state information... Done
```

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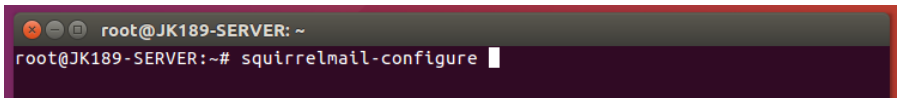
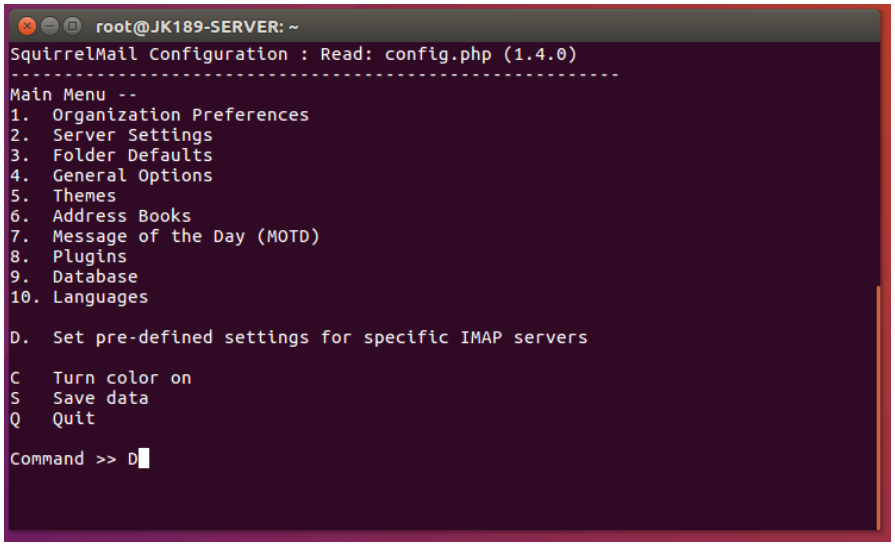
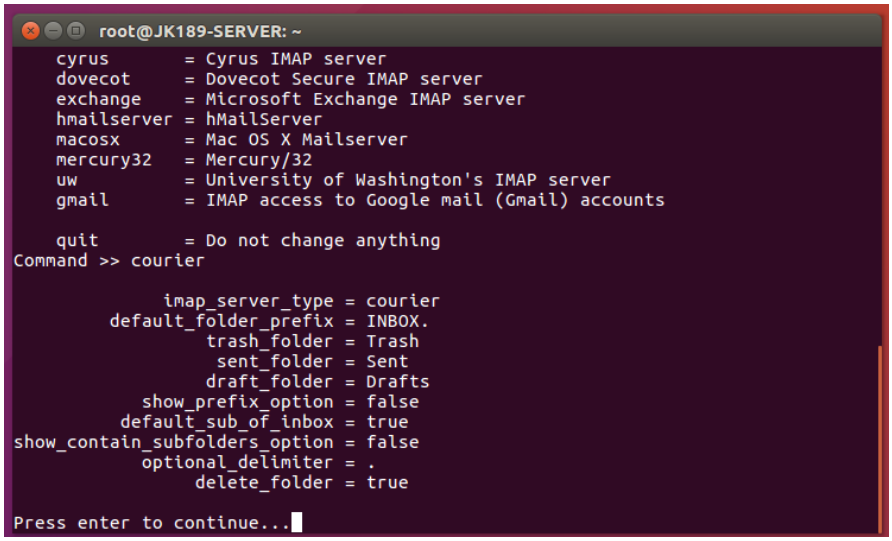
11. Konfigurasi squirrelmail dengan perintah:

 # squirrelmail-configure







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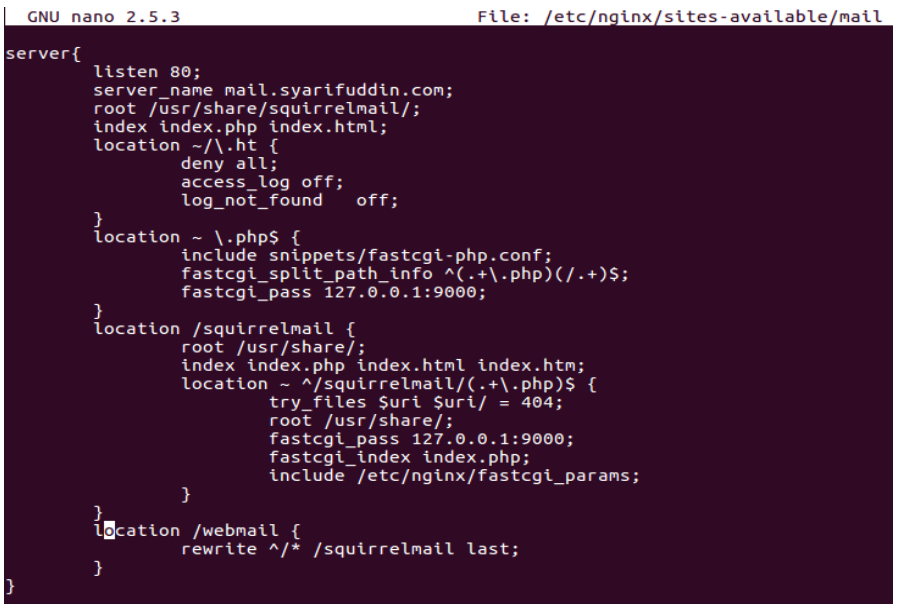
12. Buat vhost pada nginx untuk squirrelmail dengan perintah:

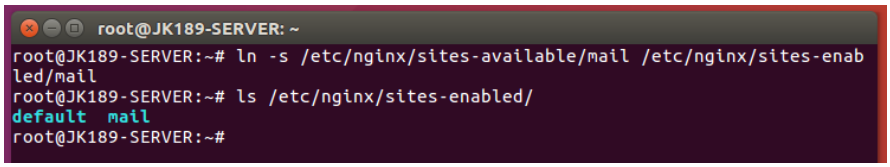
 # nano /etc/nginx/sites-available/mail



TUGAS PRAKTIKUM

13. Aktifkan vhost mail dengan perintah:

    # ln –ls /etc/nginx/sites-available/mail /etc/nginx/sites-enabled/mail

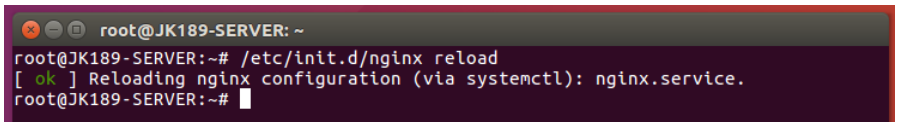


14. Reload service nginx dengan perintah:

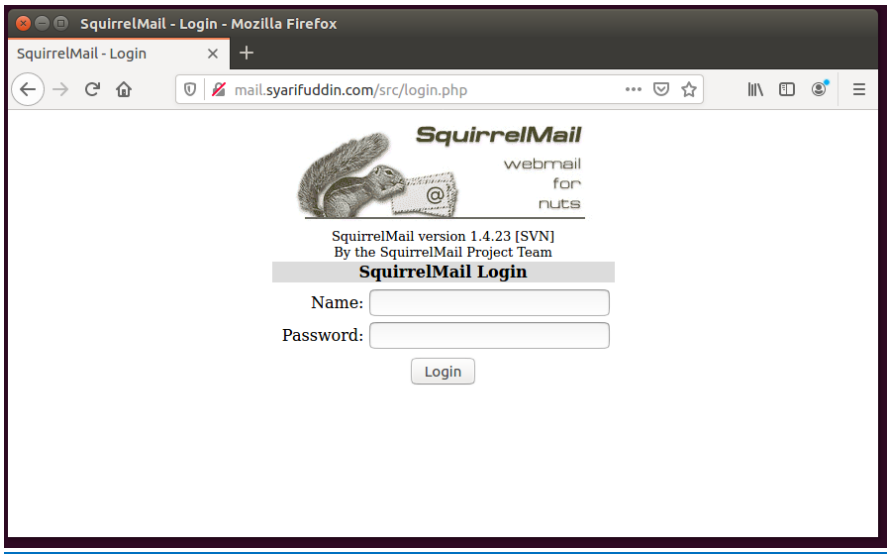
    # service nginx reload

    Atau

    # /etc/init.d/nginx reload



15. Buka browser dan ketikkan url http://mail.nama_panggilan.com



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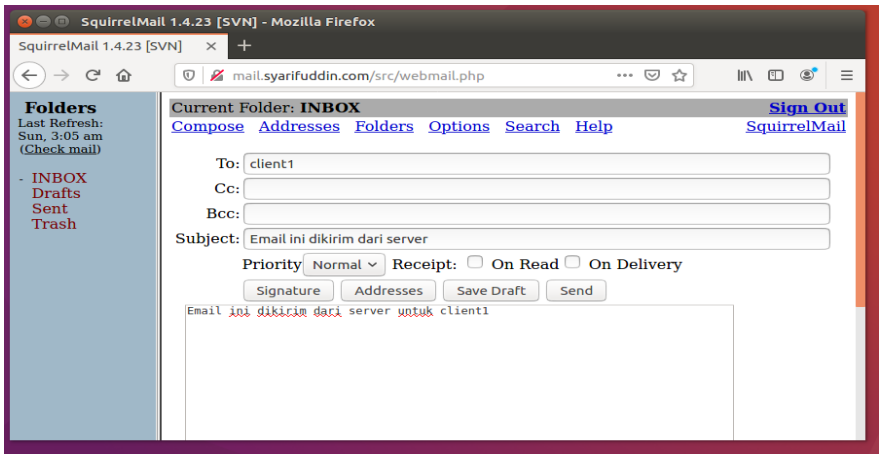
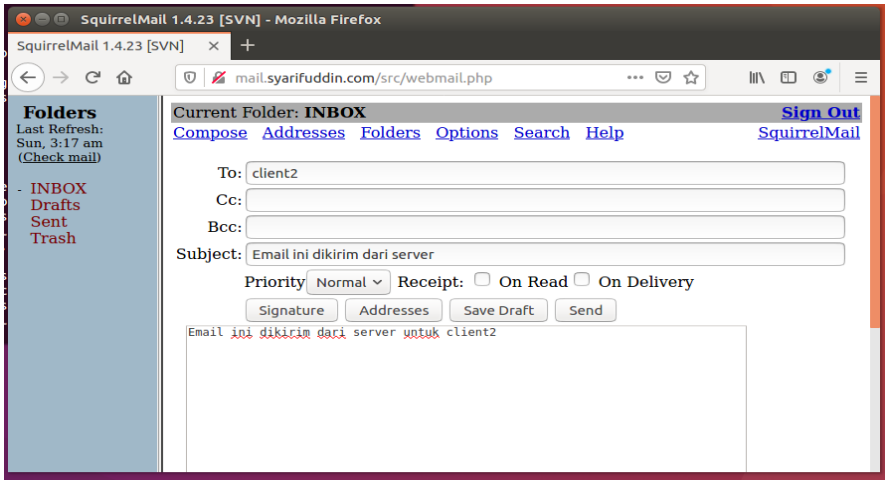
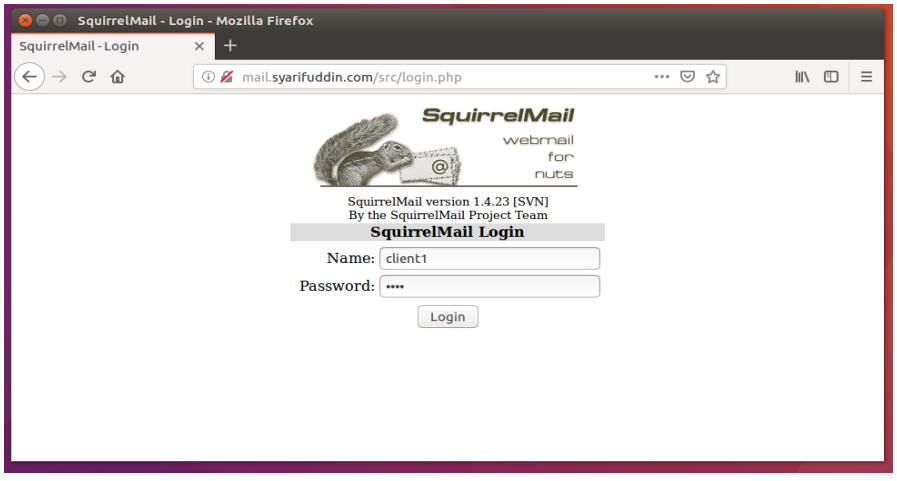
16. Login kemudian Kirimkan message ke client1 & client2





17. Masuk ke client1 & client2 dan buka browser ketikkan http://mail.nama_panggilan.com , kemudian periksa email yang telah dikirim oleh server ke client1 & client2



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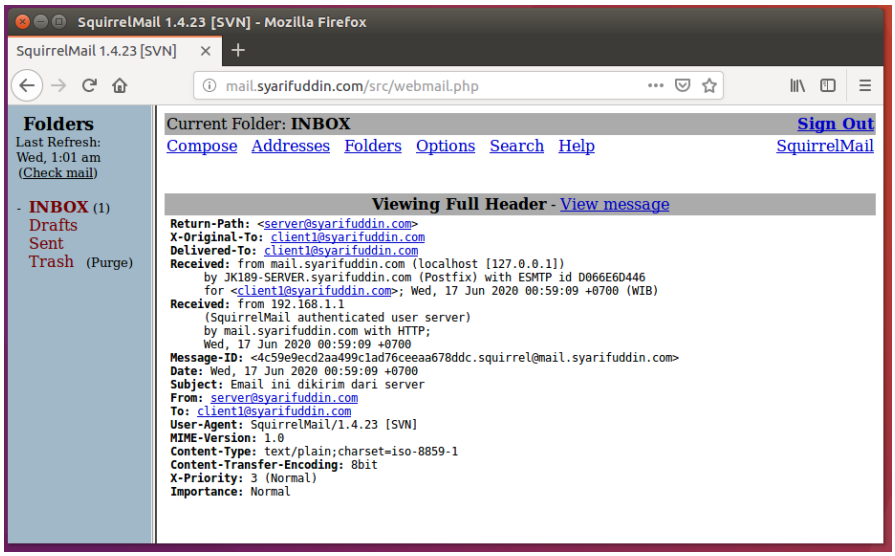
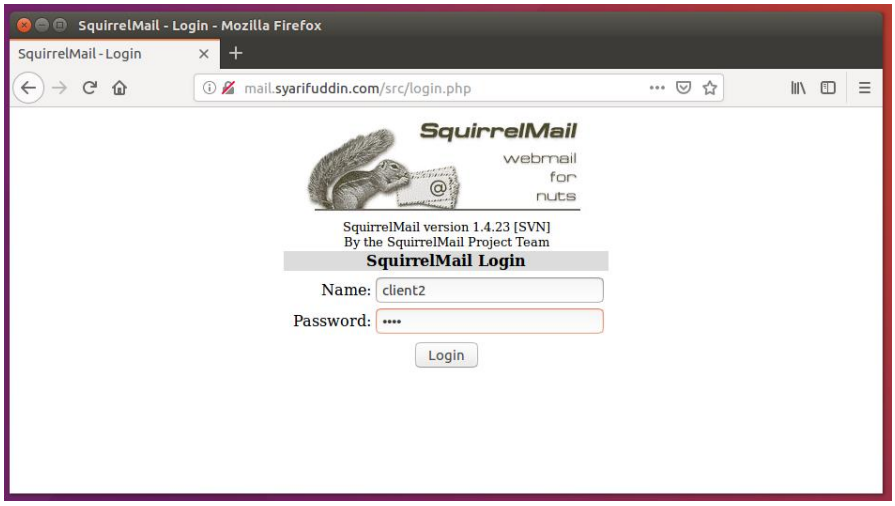
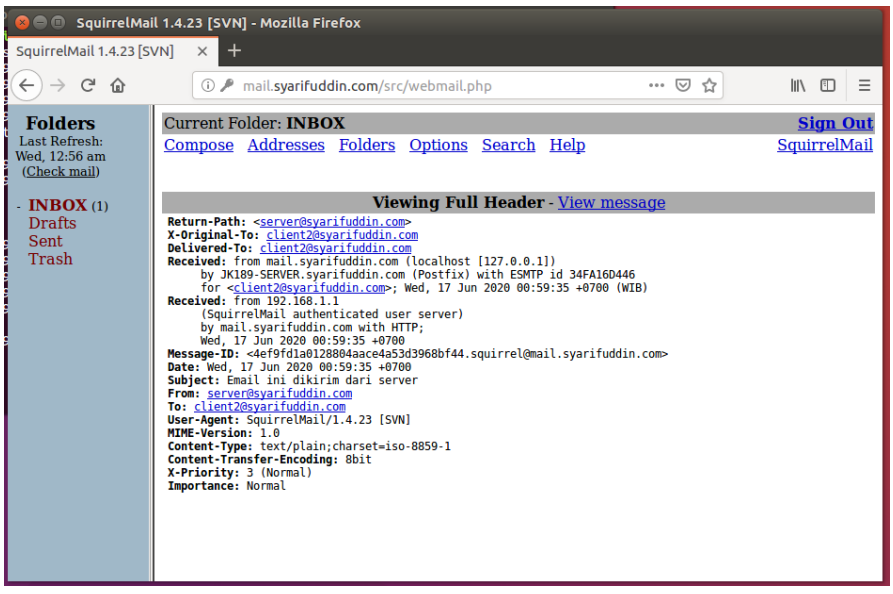
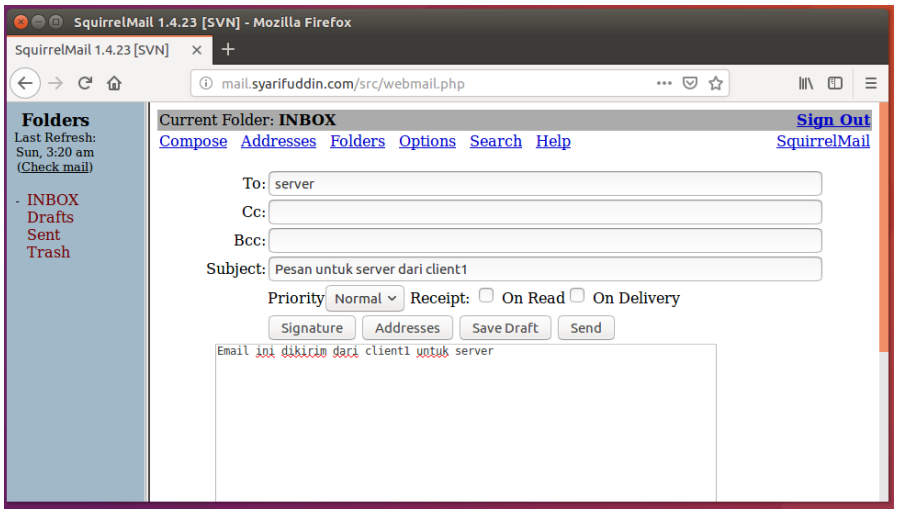


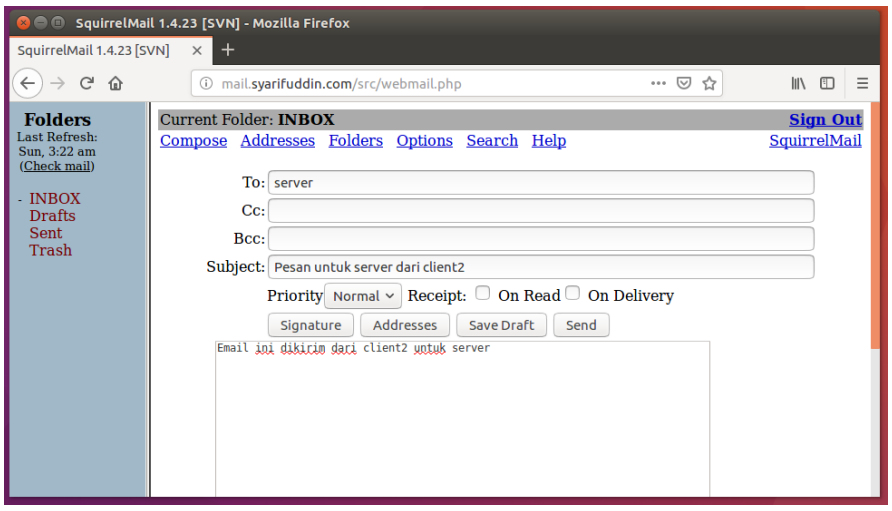




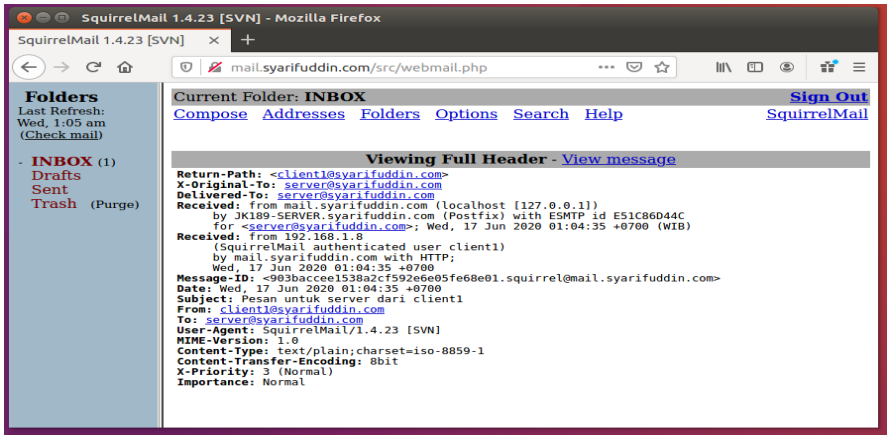
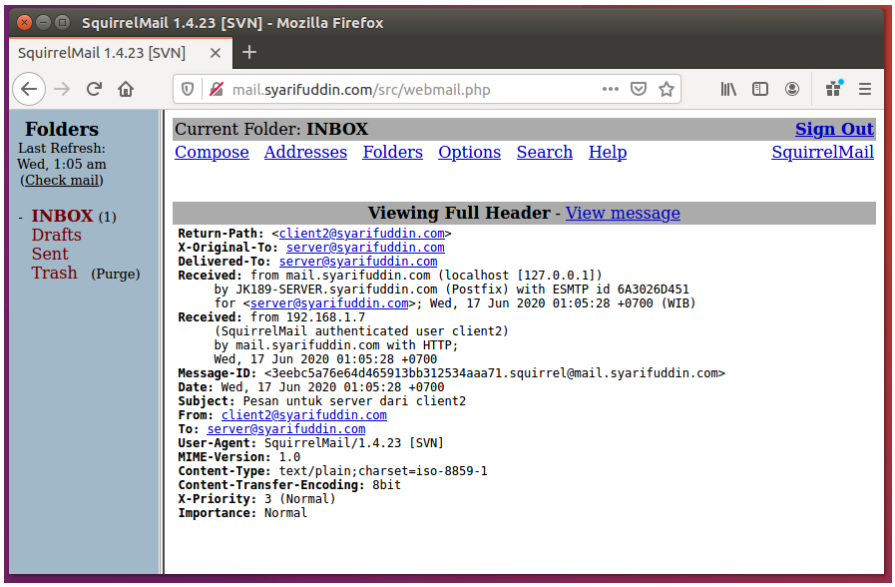
TUGAS PRAKTIKUM

18. Kemudian coba kirimkan email dari client1 & client 2 ke server





19. Kemudian buka email yang dikirim client1 & client2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