

**LAPORAN PRAKTIKUM
UJIAN TENGAH SEMESTER**

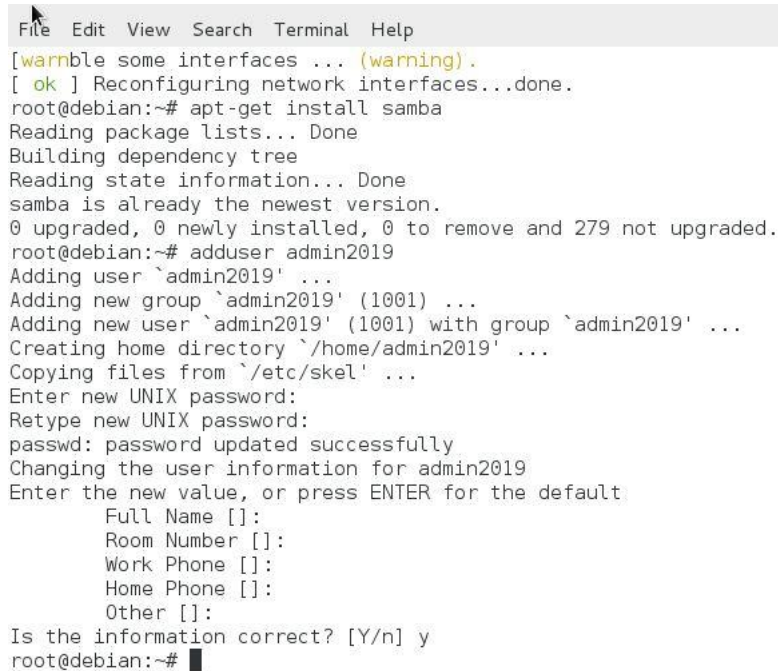
CIJ340 / Pratikum Jaringan Komputer Lanjutan



**Disusun oleh:
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**PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS ILMU KOMPUTER
UNIVERSITAS ESA UNGGUL
2019**

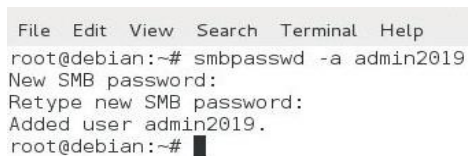
1. informasi server



```
File Edit View Search Terminal Help
[warn]ble some interfaces ... (warning).
[ ok ] Reconfiguring network interfaces...done.
root@debian:~# apt-get install samba
Reading package lists... Done
Building dependency tree
Reading state information... Done
samba is already the newest version.
0 upgraded, 0 newly installed, 0 to remove and 279 not upgraded.
root@debian:~# adduser admin2019
Adding user `admin2019' ...
Adding new group `admin2019' (1001) ...
Adding new user `admin2019' (1001) with group `admin2019' ...
Creating home directory `/home/admin2019' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for admin2019
Enter the new value, or press ENTER for the default
  Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
root@debian:~#
```

Gambar 1 Setting add user

- a. Informasi pada keterangan **Gambar 1** adalah penambahan user dengan nama admin2019 pada samba server dengan perintah adduser (namauser).



```
File Edit View Search Terminal Help
root@debian:~# smbpasswd -a admin2019
New SMB password:
Retype new SMB password:
Added user admin2019.
root@debian:~#
```

Gambar 2 Setting password samba

- b. Keterangan pada **Gambar 2** pembuatan password pada server samba dengan admin2019

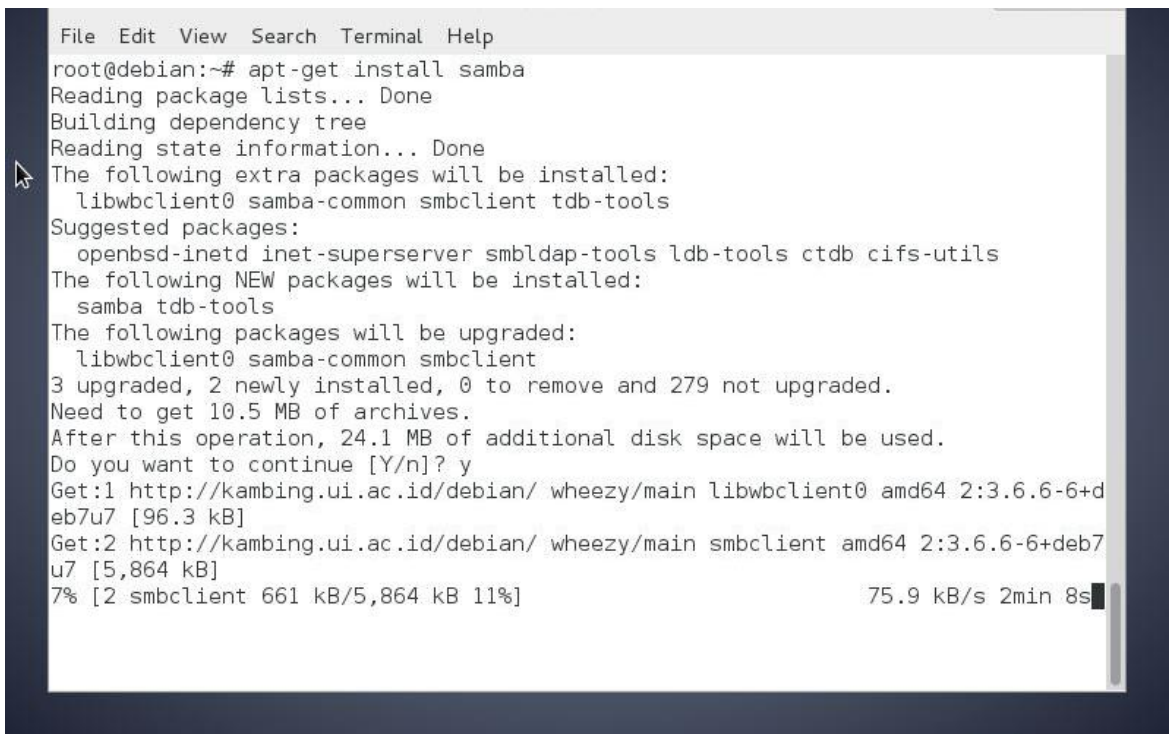
```
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

# the primary network interfaces
auto eth0
iface eth0 inet static
    network 172.20.3.65
    netmask 255.255.255.224
```

Gambar 3 Setting IP

- c. Keterangan pada **Gambar 3** setting server pada network atau ipaddress adalah 172.20.3.65 angka 3 diambil dari nim terakhir dan pengaturan netmask adalah 255.255.255.224

2. Setting samba



```
File Edit View Search Terminal Help
root@debian:~# apt-get install samba
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  libwbclient0 samba-common smbclient tdb-tools
Suggested packages:
  openbsd-inetd inet-superserver smbldap-tools ldb-tools ctdb cifs-utils
The following NEW packages will be installed:
  samba tdb-tools
The following packages will be upgraded:
  libwbclient0 samba-common smbclient
3 upgraded, 2 newly installed, 0 to remove and 279 not upgraded.
Need to get 10.5 MB of archives.
After this operation, 24.1 MB of additional disk space will be used.
Do you want to continue [Y/n]? y
Get:1 http://kambing.ui.ac.id/debian/ wheezy/main libwbclient0 amd64 2:3.6.6-6+d
eb7u7 [96.3 kB]
Get:2 http://kambing.ui.ac.id/debian/ wheezy/main smbclient amd64 2:3.6.6-6+deb7
u7 [5,864 kB]
7% [2 smbclient 661 kB/5,864 kB 11%] 75.9 kB/s 2min 8s
```

Gambar 4 Install samba

- a. Pada **Gambar 4** adalah tampilan install samba server pada debian 7

```
File Edit View Search Terminal Help
GNU nano 2.2.6 File: smb.conf Modified

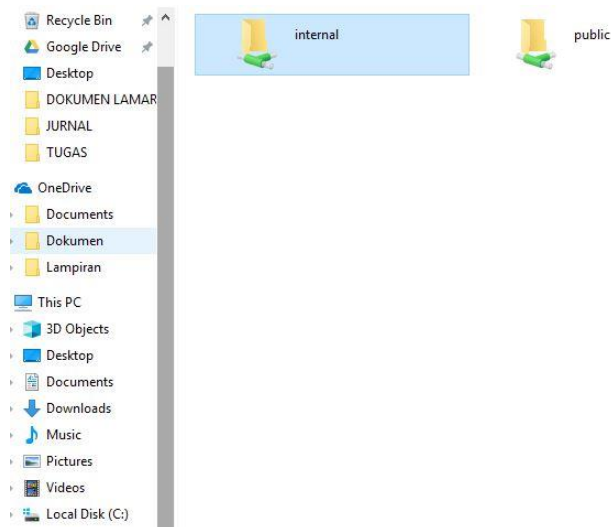
#===== Share Definitions =====

[internal]_
    path = /home/data/internal/
    browseable = yes
    read only = no
    writeable = yes
    create mask = 777
    directory = 777
    valid user = admin2019

[public]_
    path = /home/data/public/
    browseable = no
    read only = yes
    writeable = yes
    create mask = 777
    directory = 777
File Name to Write: smb.conf
^G Get Help      M-D DOS Format  M-A Append      M-B Backup File
^C Cancel        M-M Mac Format  M-P Prepend
```

Gambar 5 Setting Path

- b. Konfigurasi path internal dan public pada server samba di debian 7. path ini digunakan untuk share folder server untuk bisa di akses di client windows



Gambar 6 Path yang berhasil di share

- c. Tampilan ketika path berhasil di share dan diakses di sisi client windows

3. Setting DHCP server

```
# the primary network interfaces
auto eth0
iface eth0 inet static
    network 172.20.3.71
    netmask 255.255.255.224
    gateway 172.20.3.65
# dns-* option are implemented by the resolvconf package, if installed
dns-search yudapratama-201581183.net
```

I

^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell

Gambar 7 Setting DHCP

Setting pada dhcp server yang dilakukan di samba sever pada debian 8 dhcp di setting pada range 172.20.3.71 sampai 172.20.3.80 dimana angka 3 adalah angka terakhir nim.

4. DNS server

```
# dns-* option are implemented by the resolvconf package, if installed
dns-search yudapratama-201581183.net
```

[Read 12 lines]

^G Get Help ^O WriteOut ^R Read File ^Y Prev Page ^K Cut Text ^C Cur Pos
^X Exit ^J Justify ^W Where Is ^V Next Page ^U UnCut Text ^T To Spell

Gambar 8 Setting DNS server

- a. Setting dns server dan domain pada debian 7 dengan samba server, setting ini dilakukan untuk agar client tidak lagi mengetik ip lagi.

```
Pinging yudapratama-201581183.net [36.86.63.182] with 32 bytes of data:  
Reply from 36.86.63.182: bytes=32 time=4ms TTL=248  
Reply from 36.86.63.182: bytes=32 time=5ms TTL=248  
Reply from 36.86.63.182: bytes=32 time=4ms TTL=248  
Reply from 36.86.63.182: bytes=32 time=4ms TTL=248  
  
Ping statistics for 36.86.63.182:  
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
    Approximate round trip times in milli-seconds:  
        Minimum = 4ms, Maximum = 5ms, Average = 4ms
```

Gambar 9 Hasil ping dari domain

- b. Tampilan hasil ping Domain named server