

LAPORAN PRAKTIKUM
MODUL 2
REMOTE SERVER



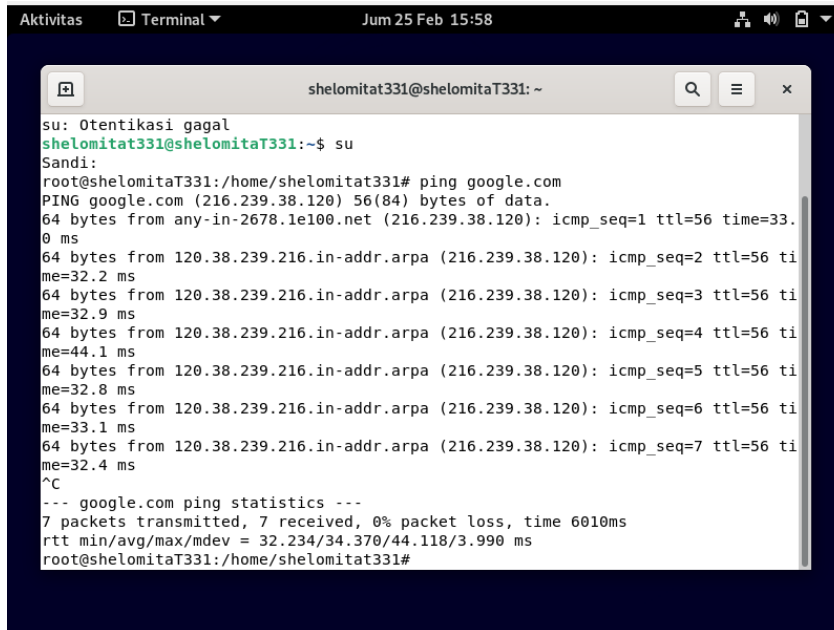
Disusun Oleh:
SHELO MITA YURI AGUSTYAN
XT3/31

Program Keahlian:
Teknik Komputer dan Jaringan

SMK TELKOM MALANG

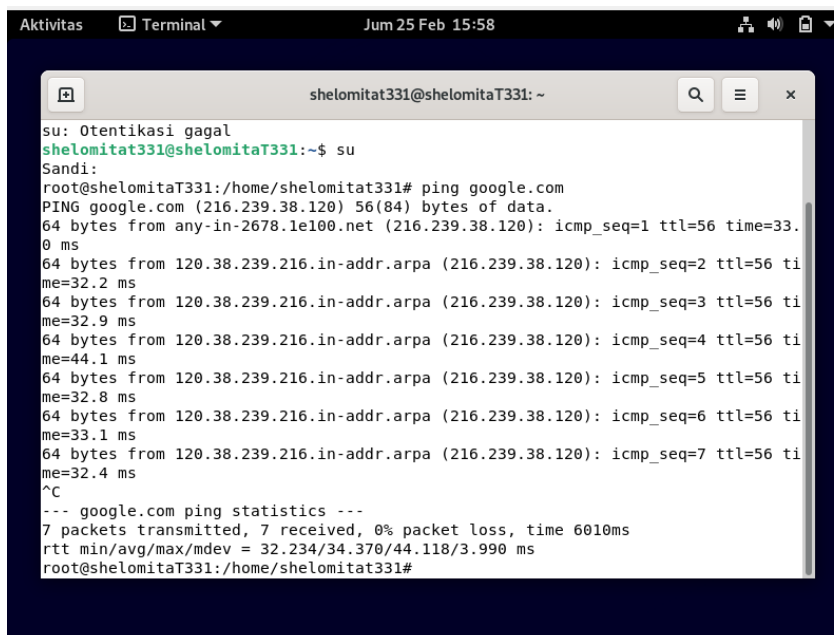
FEBRUARI 2022

1. Buka terminal lalu ketik su kemudian masukkan password root



```
Aktivitas Terminal Jum 25 Feb 15:58
shelomitat331@shelomitaT331: ~
su: Otentikasi gagal
shelomitat331@shelomitaT331:~$ su
Sandi:
root@shelomitaT331:/home/shelomitat331# ping google.com
PING google.com (216.239.38.120) 56(84) bytes of data.
64 bytes from any-in-2678.1e100.net (216.239.38.120): icmp_seq=1 ttl=56 time=33.0 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=2 ttl=56 time=32.2 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=3 ttl=56 time=32.9 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=4 ttl=56 time=44.1 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=5 ttl=56 time=32.8 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=6 ttl=56 time=33.1 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=7 ttl=56 time=32.4 ms
^C
--- google.com ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6010ms
rtt min/avg/max/mdev = 32.234/34.370/44.118/3.990 ms
root@shelomitaT331:/home/shelomitat331#
```

2. Kemudian ketik “ping google.com”



```
Aktivitas Terminal Jum 25 Feb 15:58
shelomitat331@shelomitaT331: ~
su: Otentikasi gagal
shelomitat331@shelomitaT331:~$ su
Sandi:
root@shelomitaT331:/home/shelomitat331# ping google.com
PING google.com (216.239.38.120) 56(84) bytes of data.
64 bytes from any-in-2678.1e100.net (216.239.38.120): icmp_seq=1 ttl=56 time=33.0 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=2 ttl=56 time=32.2 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=3 ttl=56 time=32.9 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=4 ttl=56 time=44.1 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=5 ttl=56 time=32.8 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=6 ttl=56 time=33.1 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=7 ttl=56 time=32.4 ms
^C
--- google.com ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6010ms
rtt min/avg/max/mdev = 32.234/34.370/44.118/3.990 ms
root@shelomitaT331:/home/shelomitat331#
```

3. Tekan CTRL C kemudian ketik “apt update”

```
Aktivitas Terminal Jum 25 Feb 15:59
shelomitat331@shelomitaT331: ~
me=32.2 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=3 ttl=56 ti
me=32.9 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=4 ttl=56 ti
me=44.1 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=5 ttl=56 ti
me=32.8 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=6 ttl=56 ti
me=33.1 ms
64 bytes from 120.38.239.216.in-addr.arpa (216.239.38.120): icmp_seq=7 ttl=56 ti
me=32.4 ms
^C
--- google.com ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6010ms
rtt min/avg/max/mdev = 32.234/34.370/44.118/3.990 ms
root@shelomitaT331:/home/shelomitat331# apt update
Hit:1 http://deb.debian.org/debian bullseye InRelease
Hit:2 http://deb.debian.org/debian bullseye-updates InRelease
Hit:3 http://security.debian.org/debian-security bullseye-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
root@shelomitaT331:/home/shelomitat331#
```

4. Ketik “nano /etc/apt/sources.list” kemudian klik enter

```
Aktivitas Terminal Jum 25 Feb 16:09
shelomitat331@shelomitaT331: ~
All packages are up to date.
root@shelomitaT331:/home/shelomitat331# nano /etc/apt/sources.list
root@shelomitaT331:/home/shelomitat331# nano /etc/apt/sources.list
root@shelomitaT331:/home/shelomitat331# apt update
Get:1 http://kartolo.sby.datautama.net.id/debian bullseye InRelease [116 kB]
Get:2 http://kartolo.sby.datautama.net.id/debian bullseye-updates InRelease [39,
4 kB]
Ign:3 http://kartolo.sby.datautama.net.id/debian-security bullseye/updates InRel
ease
Err:4 http://kartolo.sby.datautama.net.id/debian-security bullseye/updates Relea
se
404 Not Found [IP: 123.255.202.74 80]
Hit:5 http://security.debian.org/debian-security bullseye-security InRelease
Hit:6 http://deb.debian.org/debian bullseye InRelease
Hit:7 http://deb.debian.org/debian bullseye-updates InRelease
Get:8 http://kartolo.sby.datautama.net.id/debian bullseye/main amd64 Packages [8
.183 kB]
Get:9 http://kartolo.sby.datautama.net.id/debian bullseye/main Translation-en [6
.243 kB]
Get:10 http://kartolo.sby.datautama.net.id/debian bullseye/main Translation-id [
1.780 B]
Get:11 http://kartolo.sby.datautama.net.id/debian bullseye/main amd64 DEP-11 Met
adata [4.049 kB]
58% [9 Translation-en store 0 B] [11 Components-amd64 963 kB/4.049 kB 24%]
```

5. Ketikkan kalimat data utama (deb http://....)

```
Aktivitas Terminal Jum 25 Feb 16:08
shelomitat331@shelomitaT331: ~
GNU nano 5.4 /etc/apt/sources.list

deb http://deb.debian.org/debian/ bullseye main
deb-src http://deb.debian.org/debian/ bullseye main

deb http://security.debian.org/debian-security bullseye-security main
deb-src http://security.debian.org/debian-security bullseye-security main

# bullseye-updates, to get updates before a point release is made;
# see https://www.debian.org/doc/manuals/debian-reference/ch02.en.html#updates
deb http://deb.debian.org/debian/ bullseye-updates main
deb-src http://deb.debian.org/debian/ bullseye-updates main

# This system was installed using small removable media
# (e.g. netinst, live or single CD). The matching "deb cdrom"
# entries were disabled at the end of the installation process.
# For information about how to configure apt package sources,
# see the sources.list(5) manual.
deb http://kartolo.sby.datautama.net.id/debian/ bullseye main contrib non-free
deb http://kartolo.sby.datautama.net.id/debian/ bullseye-updates main contrib n
deb http://kartolo.sby.datautama.net.id/debian-security/ bullseye/updates main

[ Read 24 lines ]
^G Help ^O Write Out ^W Di mana ^K Cut ^T Execute ^C Location
^X Keluar ^R Baca File ^_ Ganti ^U Paste ^J Justifikasi ^_ Ke baris
```

6. Ketikkan “apt update”

```
Aktivitas Terminal Jum 25 Feb 16:09
shelomitat331@shelomitaT331: ~
All packages are up to date.
root@shelomitaT331:/home/shelomitat331# nano /etc/apt/sources.list
root@shelomitaT331:/home/shelomitat331# nano /etc/apt/sources.list
root@shelomitaT331:/home/shelomitat331# apt update
Get:1 http://kartolo.sby.datautama.net.id/debian bullseye InRelease [116 kB]
Get:2 http://kartolo.sby.datautama.net.id/debian bullseye-updates InRelease [39,
4 kB]
Ign:3 http://kartolo.sby.datautama.net.id/debian-security bullseye/updates InRel
ease
Err:4 http://kartolo.sby.datautama.net.id/debian-security bullseye/updates Relea
se
404 Not Found [IP: 123.255.202.74 80]
Hit:5 http://security.debian.org/debian-security bullseye-security InRelease
Hit:6 http://deb.debian.org/debian bullseye InRelease
Hit:7 http://deb.debian.org/debian bullseye-updates InRelease
Get:8 http://kartolo.sby.datautama.net.id/debian bullseye/main amd64 Packages [8
.183 kB]
Get:9 http://kartolo.sby.datautama.net.id/debian bullseye/main Translation-en [6
.243 kB]
Get:10 http://kartolo.sby.datautama.net.id/debian bullseye/main Translation-id [
1.780 B]
Get:11 http://kartolo.sby.datautama.net.id/debian bullseye/main amd64 DEP-11 Met
adata [4.049 kB]
58% [9 Translation-en store 0 B] [11 Components-amd64 963 kB/4.049 kB 24%]
```

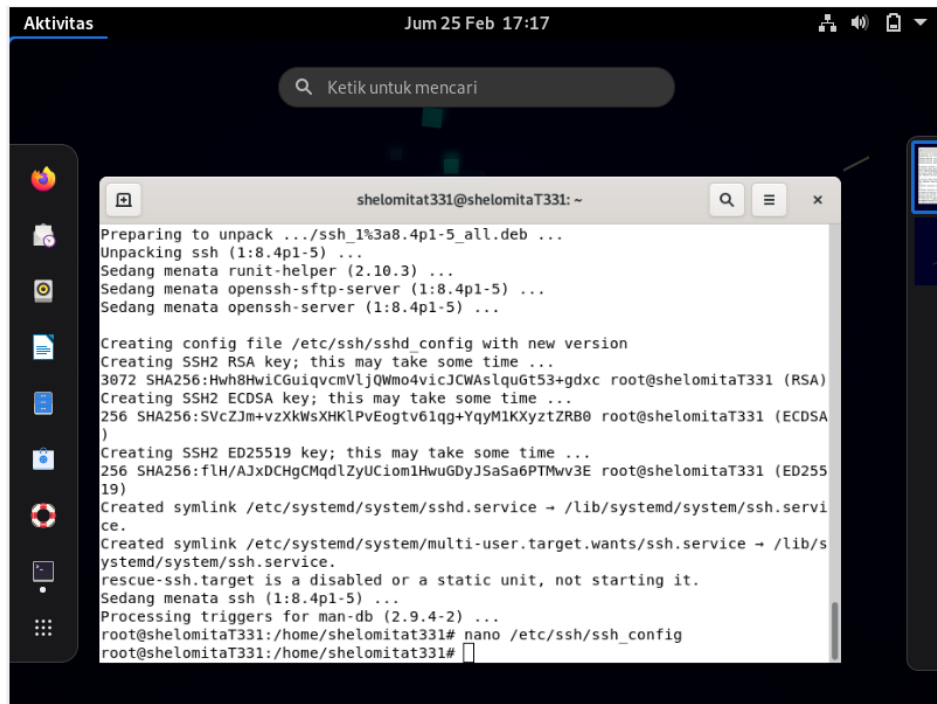
7. Ketikkan “apt upgrade”

```
Aktivitas Terminal Jum 25 Feb 16:17
shelomitat331@shelomitaT331: ~
Get:24 http://kartolo.sby.datautama.net.id/debian bullseye-updates/main amd64 Pa
ckages [2.596 B]
Get:25 http://kartolo.sby.datautama.net.id/debian bullseye-updates/main Translat
ion-en [2.343 B]
Reading package lists... Done
E: The repository 'http://kartolo.sby.datautama.net.id/debian-security bullseye/
updates Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disa
bled by default.
N: See apt-secure(8) manpage for repository creation and user configuration deta
ils.
root@shelomitaT331:/home/shelomitat331# apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@shelomitaT331:/home/shelomitat331# apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@shelomitaT331:/home/shelomitat331#
```

8. Ketik “apt-get install ssh” klik enter lalu ketik “Y”

```
Aktivitas Terminal Jum 25 Feb 16:18
shelomitat331@shelomitaT331: ~
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@shelomitaT331:/home/shelomitat331# apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
root@shelomitaT331:/home/shelomitat331# apt-get install ssh
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  openssh-server openssh-sftp-server runit-helper
Suggested packages:
  molly-guard monkeysphere ssh-askpass ufw
The following NEW packages will be installed:
  openssh-server openssh-sftp-server runit-helper ssh
0 upgraded, 4 newly installed, 0 to remove and 0 not upgraded.
Need to get 697 kB of archives.
After this operation, 2.034 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

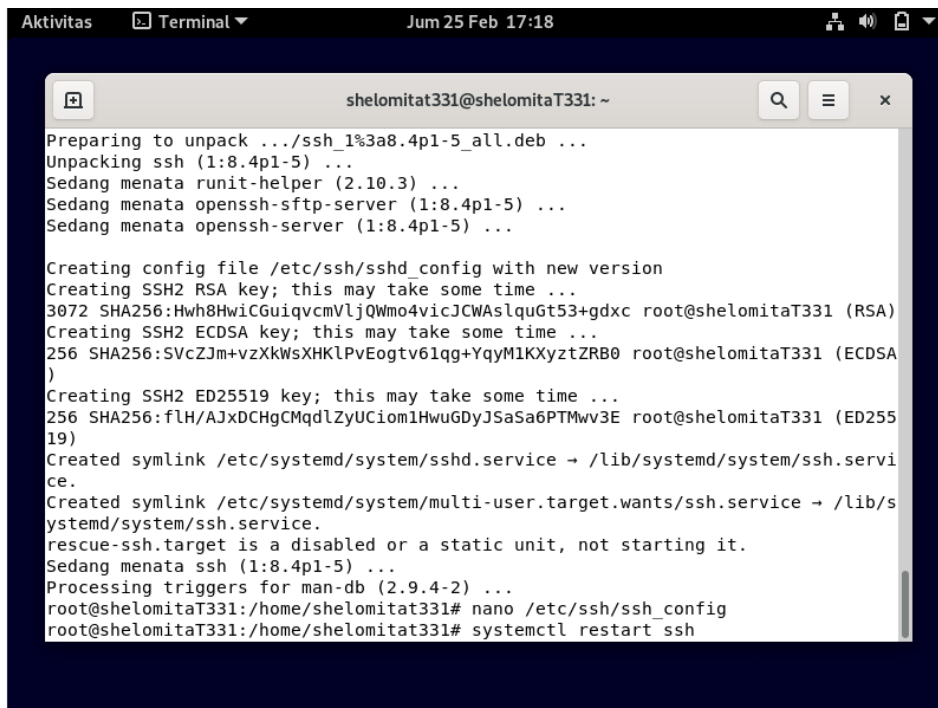
9. Ketik “nano /etc/ssh/config”



```
shelomitaT331@shelomitaT331: ~
Preparing to unpack .../ssh_1%3a8.4p1-5_all.deb ...
Unpacking ssh (1:8.4p1-5) ...
Sedang menata runit-helper (2.10.3) ...
Sedang menata openssh-sftp-server (1:8.4p1-5) ...
Sedang menata openssh-server (1:8.4p1-5) ...

Creating config file /etc/ssh/sshd_config with new version
Creating SSH2 RSA key; this may take some time ...
3072 SHA256:Hwh8HwiCGuiqvcmVljQWmo4vicJCWAslqu6t53+gdx root@shelomitaT331 (RSA)
Creating SSH2 ECDSA key; this may take some time ...
256 SHA256:SVcZJm+vzXkWsXHKLPvEogtv6lqg+YqyM1KXyztZRB0 root@shelomitaT331 (ECDSA)
Creating SSH2 ED25519 key; this may take some time ...
256 SHA256:flH/AJxDCHgCMqdlZyUCiom1HwuGDyJSaSa6PTMwv3E root@shelomitaT331 (ED25519)
Created symlink /etc/systemd/system/sshd.service -> /lib/systemd/system/ssh.service.
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service -> /lib/systemd/system/ssh.service.
rescue-ssh.target is a disabled or a static unit, not starting it.
Sedang menata ssh (1:8.4p1-5) ...
Processing triggers for man-db (2.9.4-2) ...
root@shelomitaT331:/home/shelomitaT331# nano /etc/ssh/ssh_config
root@shelomitaT331:/home/shelomitaT331#
```

10. Ketik “systemctl restart ssh”



```
shelomitaT331@shelomitaT331: ~
Preparing to unpack .../ssh_1%3a8.4p1-5_all.deb ...
Unpacking ssh (1:8.4p1-5) ...
Sedang menata runit-helper (2.10.3) ...
Sedang menata openssh-sftp-server (1:8.4p1-5) ...
Sedang menata openssh-server (1:8.4p1-5) ...

Creating config file /etc/ssh/sshd_config with new version
Creating SSH2 RSA key; this may take some time ...
3072 SHA256:Hwh8HwiCGuiqvcmVljQWmo4vicJCWAslqu6t53+gdx root@shelomitaT331 (RSA)
Creating SSH2 ECDSA key; this may take some time ...
256 SHA256:SVcZJm+vzXkWsXHKLPvEogtv6lqg+YqyM1KXyztZRB0 root@shelomitaT331 (ECDSA)
Creating SSH2 ED25519 key; this may take some time ...
256 SHA256:flH/AJxDCHgCMqdlZyUCiom1HwuGDyJSaSa6PTMwv3E root@shelomitaT331 (ED25519)
Created symlink /etc/systemd/system/sshd.service -> /lib/systemd/system/ssh.service.
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service -> /lib/systemd/system/ssh.service.
rescue-ssh.target is a disabled or a static unit, not starting it.
Sedang menata ssh (1:8.4p1-5) ...
Processing triggers for man-db (2.9.4-2) ...
root@shelomitaT331:/home/shelomitaT331# nano /etc/ssh/ssh_config
root@shelomitaT331:/home/shelomitaT331# systemctl restart ssh
```

11. Ketik “systemctl status ssh”

Referensi

<https://fahmidwi42.blogspot.co.id/2016/07/konfigurasi-switch-untuk-vlan-trunking.html>

<https://fahmidwi42.blogspot.com/2016/08/konfigurasi-vlan-trunking-di-cisco.html>

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