

Laporan Debian



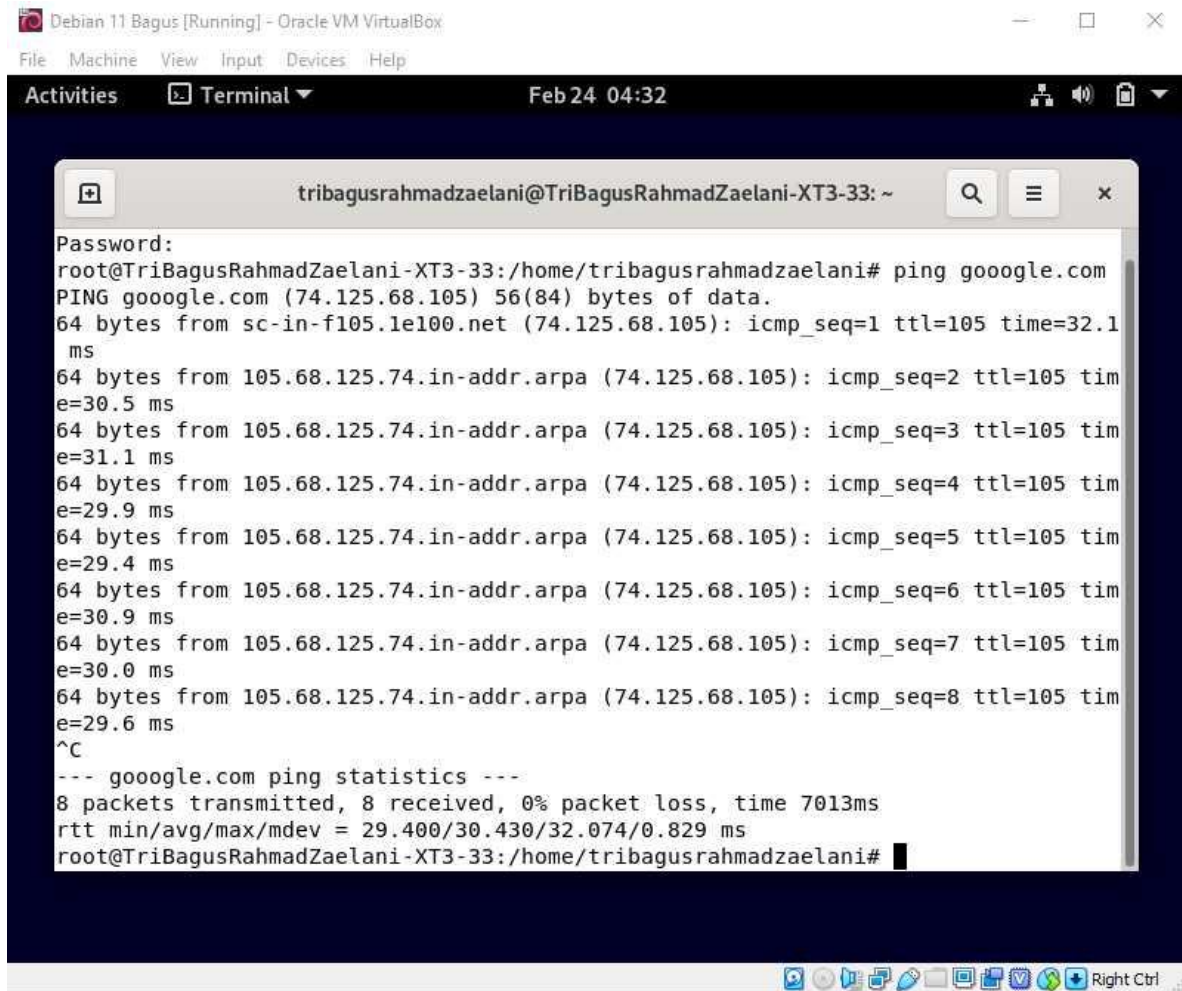
SMK Telkom Malang

Oleh:

Tri Bagus Rahmad Zaelani

XT3/33

1. Pergi ke terminal, ketik “su” dan masukan password root. Kemudian ketikan “ping google.com” Untuk menghentikan ketik “ctrl+c”

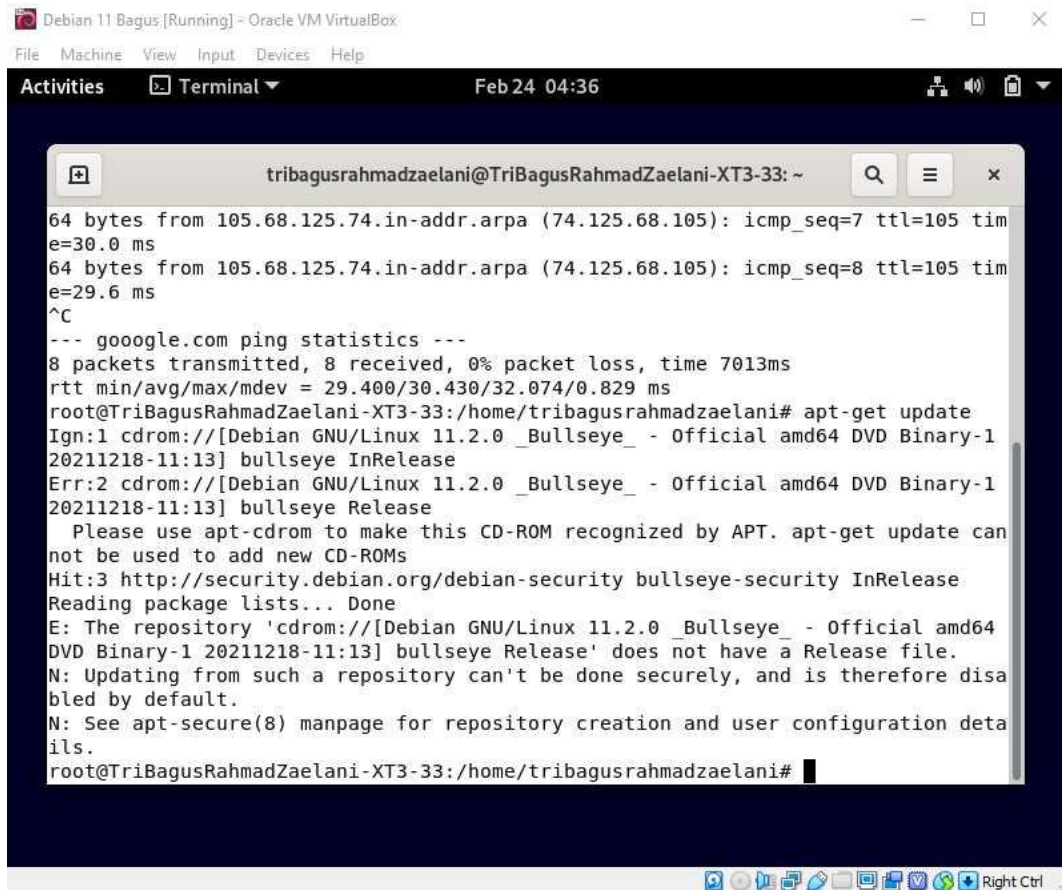


The screenshot shows a terminal window titled "tribagusrahmadzaelani@TriBagusRahmadZaelani-XT3-33: ~". The terminal output shows a successful ping to google.com. The user entered the password for root access and then executed the ping command. The output shows 8 packets transmitted with 0% packet loss and a total time of 7013ms. The user then pressed Ctrl+C to stop the command.

```
Debian 11 Bagus [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Feb 24 04:32

tribagusrahmadzaelani@TriBagusRahmadZaelani-XT3-33: ~
Password:
root@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani# ping gooogole.com
PING gooogole.com (74.125.68.105) 56(84) bytes of data.
64 bytes from sc-in-f105.1e100.net (74.125.68.105): icmp_seq=1 ttl=105 time=32.1 ms
64 bytes from 105.68.125.74.in-addr.arpa (74.125.68.105): icmp_seq=2 ttl=105 time=30.5 ms
64 bytes from 105.68.125.74.in-addr.arpa (74.125.68.105): icmp_seq=3 ttl=105 time=31.1 ms
64 bytes from 105.68.125.74.in-addr.arpa (74.125.68.105): icmp_seq=4 ttl=105 time=29.9 ms
64 bytes from 105.68.125.74.in-addr.arpa (74.125.68.105): icmp_seq=5 ttl=105 time=29.4 ms
64 bytes from 105.68.125.74.in-addr.arpa (74.125.68.105): icmp_seq=6 ttl=105 time=30.9 ms
64 bytes from 105.68.125.74.in-addr.arpa (74.125.68.105): icmp_seq=7 ttl=105 time=30.0 ms
64 bytes from 105.68.125.74.in-addr.arpa (74.125.68.105): icmp_seq=8 ttl=105 time=29.6 ms
^C
--- gooogole.com ping statistics ---
8 packets transmitted, 8 received, 0% packet loss, time 7013ms
rtt min/avg/max/mdev = 29.400/30.430/32.074/0.829 ms
root@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani#
```

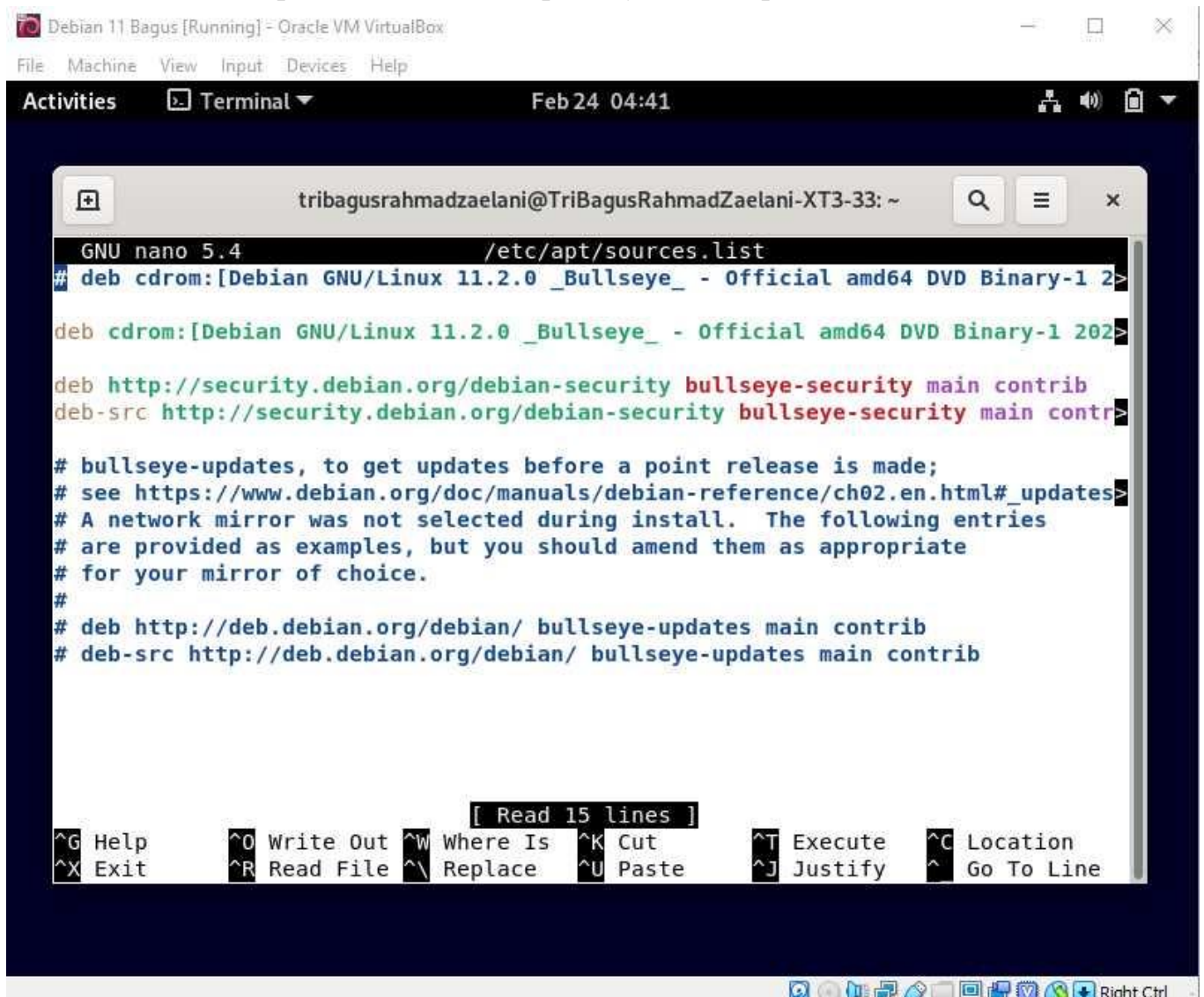
2. Ketik “apt-get update”



```
Debian 11 Bagus [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Feb 24 04:36

tribagusrahmadzaelani@TriBagusRahmadZaelani-XT3-33: ~
64 bytes from 105.68.125.74.in-addr.arpa (74.125.68.105): icmp_seq=7 ttl=105 time=30.0 ms
64 bytes from 105.68.125.74.in-addr.arpa (74.125.68.105): icmp_seq=8 ttl=105 time=29.6 ms
^C
--- google.com ping statistics ---
8 packets transmitted, 8 received, 0% packet loss, time 7013ms
rtt min/avg/max/mdev = 29.400/30.430/32.074/0.829 ms
root@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani# apt-get update
Ign:1 cdrom://[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 20211218-11:13] bullseye InRelease
Err:2 cdrom://[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 20211218-11:13] bullseye Release
   Please use apt-cdrom to make this CD-ROM recognized by APT. apt-get update can
   not be used to add new CD-ROMs
Hit:3 http://security.debian.org/debian-security bullseye-security InRelease
Reading package lists... Done
E: The repository 'cdrom://[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64
DVD Binary-1 20211218-11:13] bullseye 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@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani#
```

3. Ketik “nano /etc/apt/sources.list” Tampilannya akan seperti in



The screenshot shows a terminal window titled "Debian 11 Bagus [Running] - Oracle VM VirtualBox". The terminal interface includes a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help", and a status bar showing "Activities", "Terminal", and the date/time "Feb 24 04:41". Inside the terminal, a nano 5.4 editor window is open, editing the file "/etc/apt/sources.list". The file content is as follows:

```
GNU nano 5.4 /etc/apt/sources.list
# deb cdrom:[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 2021.07.27] cdrom/
deb cdrom:[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 2021.07.27] cdrom/
deb http://security.debian.org/debian-security bullseye-security main contrib
deb-src http://security.debian.org/debian-security bullseye-security main contrib

# bullseye-updates, to get updates before a point release is made;
# see https://www.debian.org/doc/manuals/debian-reference/ch02.en.html#_updates
# A network mirror was not selected during install. The following entries
# are provided as examples, but you should amend them as appropriate
# for your mirror of choice.
#
# deb http://deb.debian.org/debian/ bullseye-updates main contrib
# deb-src http://deb.debian.org/debian/ bullseye-updates main contrib
```

At the bottom of the nano editor, a status bar displays "[Read 15 lines]" and a list of keyboard shortcuts:

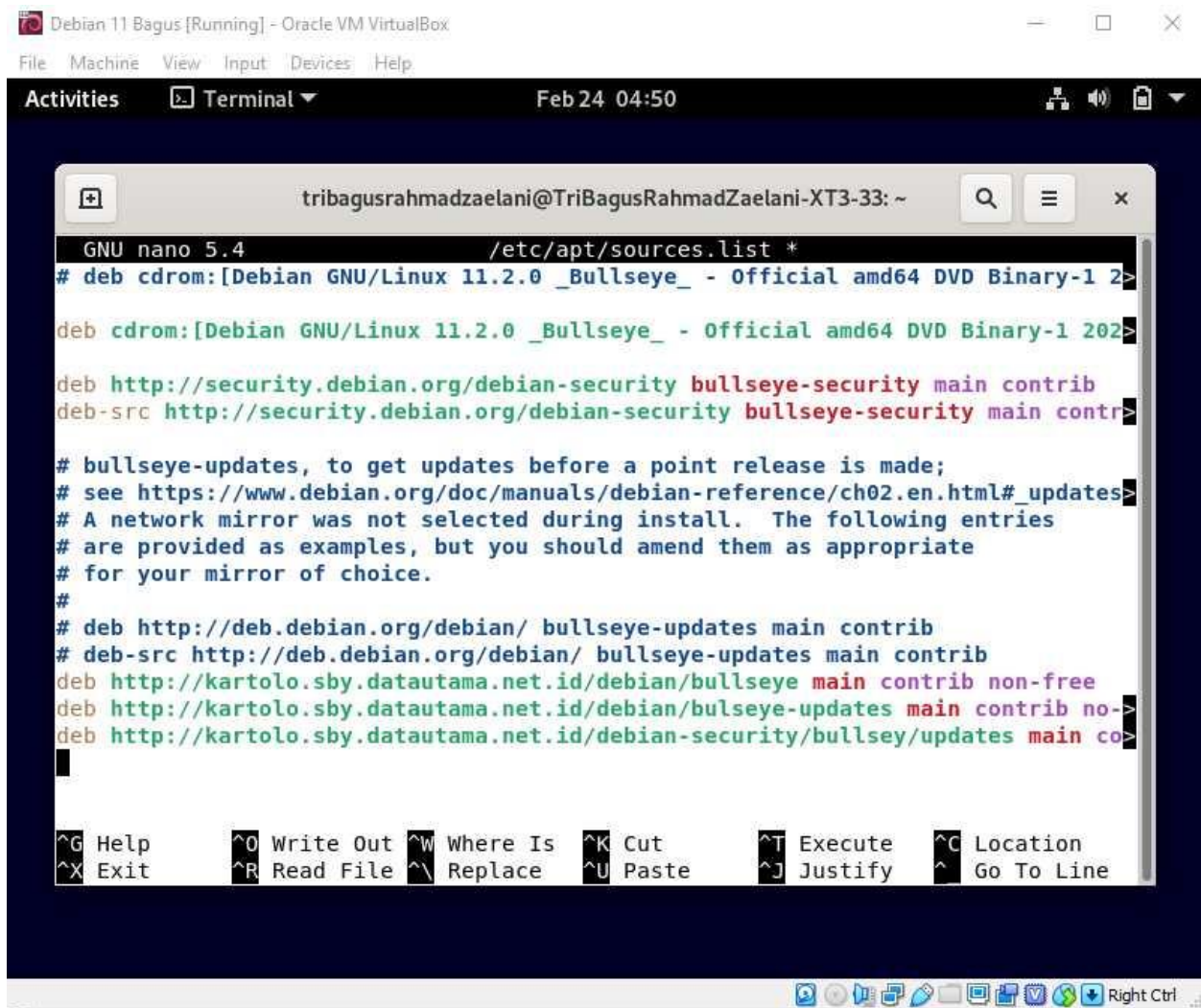
^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location
^X Exit	^R Read File	^\ Replace	^U Paste	^J Justify	^_ Go To Line

The bottom of the terminal window shows a standard Linux desktop taskbar with various application icons and a "Right Ctrl" button.

4. Kemudian ketikkan `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 non-free`

`deb http://kartolo.sby.datautama.net.id/debian-security/ bullseye/updates main contrib non-free`



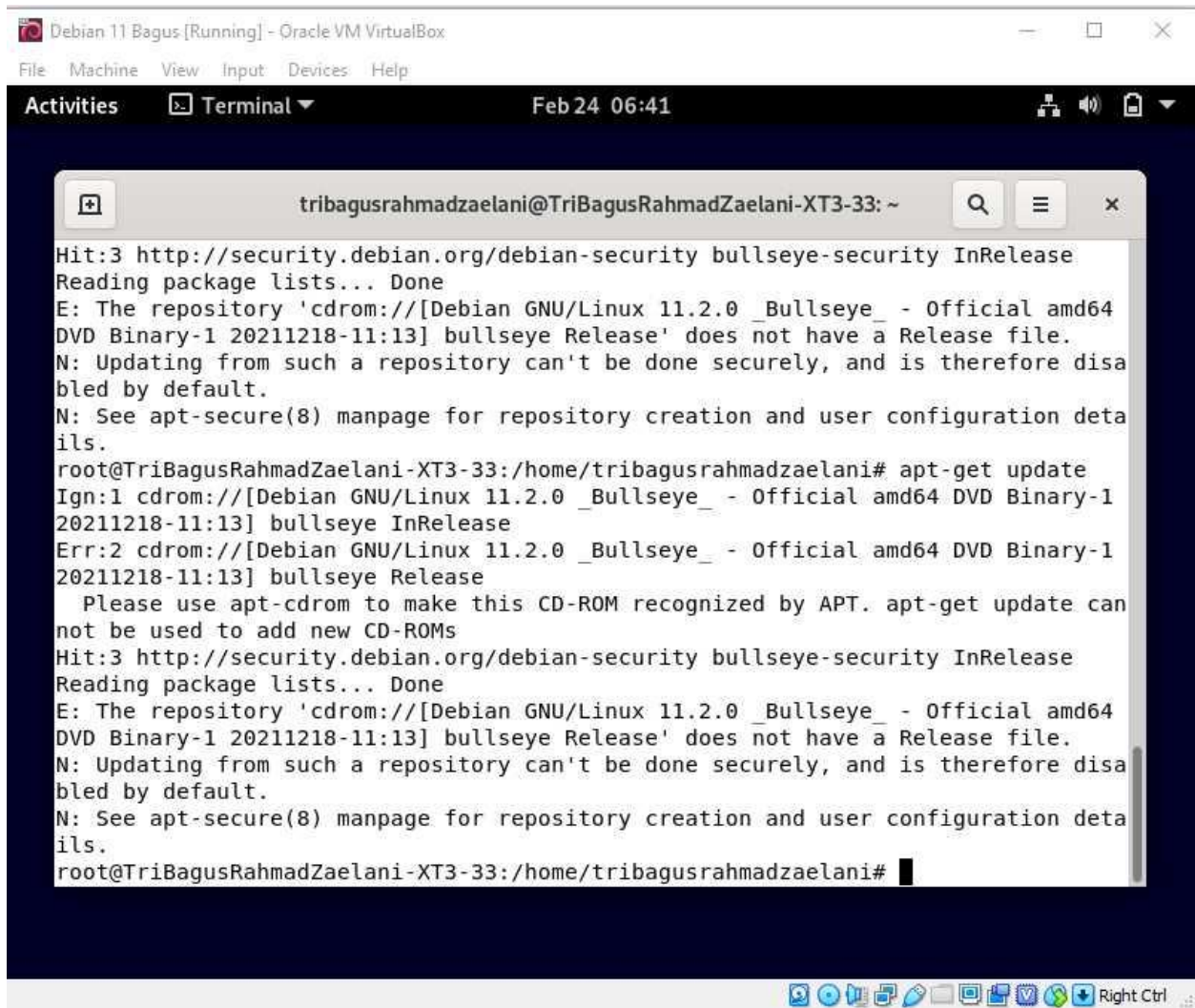
```
Debian 11 Bagus [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Feb 24 04:50

tribagusrahmadzaelani@TriBagusRahmadZaelani-XT3-33: ~
GNU nano 5.4 /etc/apt/sources.list *
# deb cdrom:[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 20210814]
deb cdrom:[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 20210814]
deb http://security.debian.org/debian-security bullseye-security main contrib
deb-src http://security.debian.org/debian-security bullseye-security main contrib

# bullseye-updates, to get updates before a point release is made;
# see https://www.debian.org/doc/manuals/debian-reference/ch02.en.html#_updates
# A network mirror was not selected during install. The following entries
# are provided as examples, but you should amend them as appropriate
# for your mirror of choice.
#
# deb http://deb.debian.org/debian/ bullseye-updates main contrib
# deb-src http://deb.debian.org/debian/ bullseye-updates main contrib
deb http://kartolo.sby.datautama.net.id/debian/bullseye main contrib non-free
deb http://kartolo.sby.datautama.net.id/debian/bulseye-updates main contrib no-
deb http://kartolo.sby.datautama.net.id/debian-security/bullsey/updates main co

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute  ^C Location
^X Exit      ^R Read File ^\ Replace  ^U Paste     ^J Justify  ^_ Go To Line
```

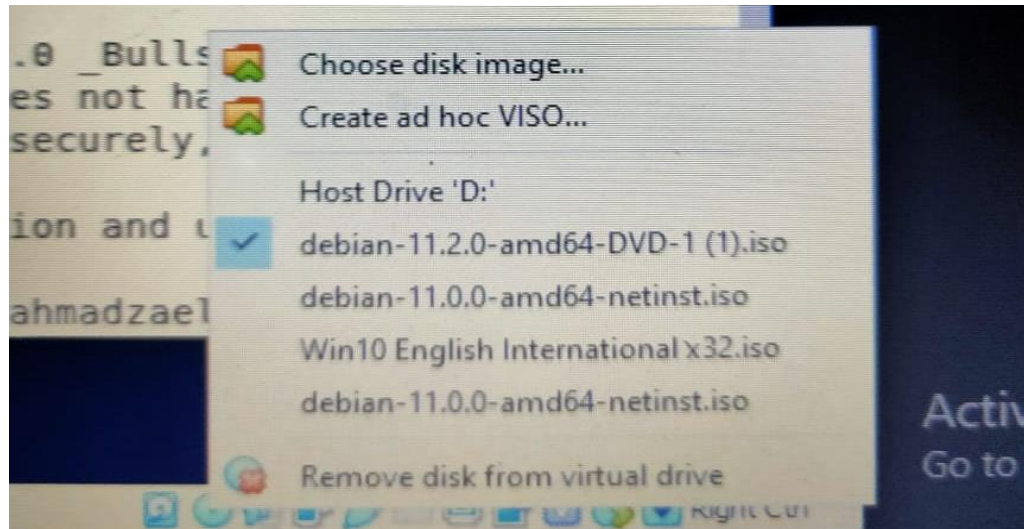

5. Kembali, dan ketikkan “apt-get update



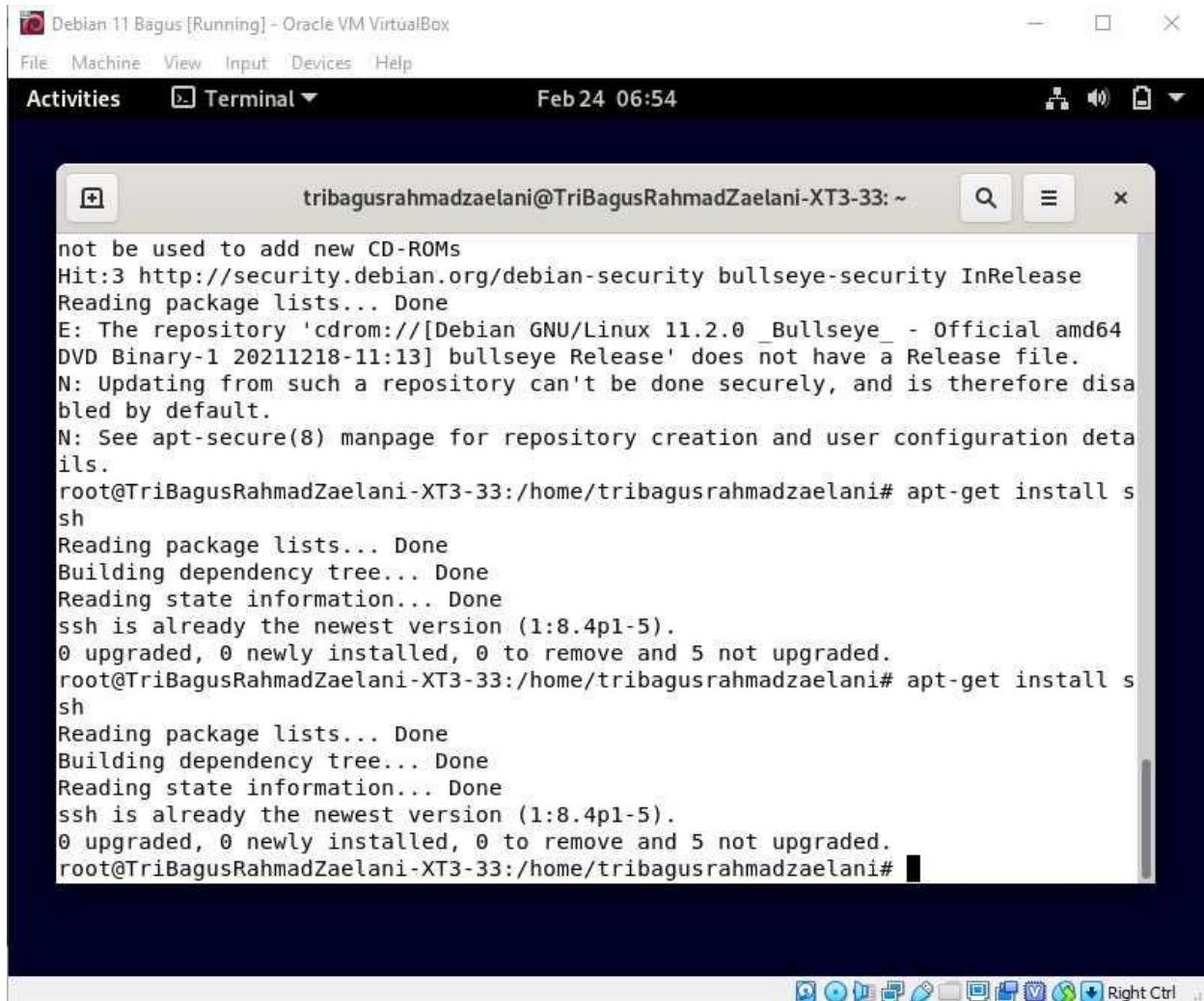
```
Debian 11 Bagus [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Feb 24 06:41

tribagusrahmadzaelani@TriBagusRahmadZaelani-XT3-33: ~
Hit:3 http://security.debian.org/debian-security bullseye-security InRelease
Reading package lists... Done
E: The repository 'cdrom://[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 20211218-11:13] bullseye Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
root@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani# apt-get update
Ign:1 cdrom://[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 20211218-11:13] bullseye InRelease
Err:2 cdrom://[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 20211218-11:13] bullseye Release
Please use apt-cdrom to make this CD-ROM recognized by APT. apt-get update can not be used to add new CD-ROMs
Hit:3 http://security.debian.org/debian-security bullseye-security InRelease
Reading package lists... Done
E: The repository 'cdrom://[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64 DVD Binary-1 20211218-11:13] bullseye Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
root@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani#
```

6. Lalu klik ikon cd dan masukan file debian yang telah dimiliki



7. Ketikan apt-get install ssh lalu ketik y dan enter



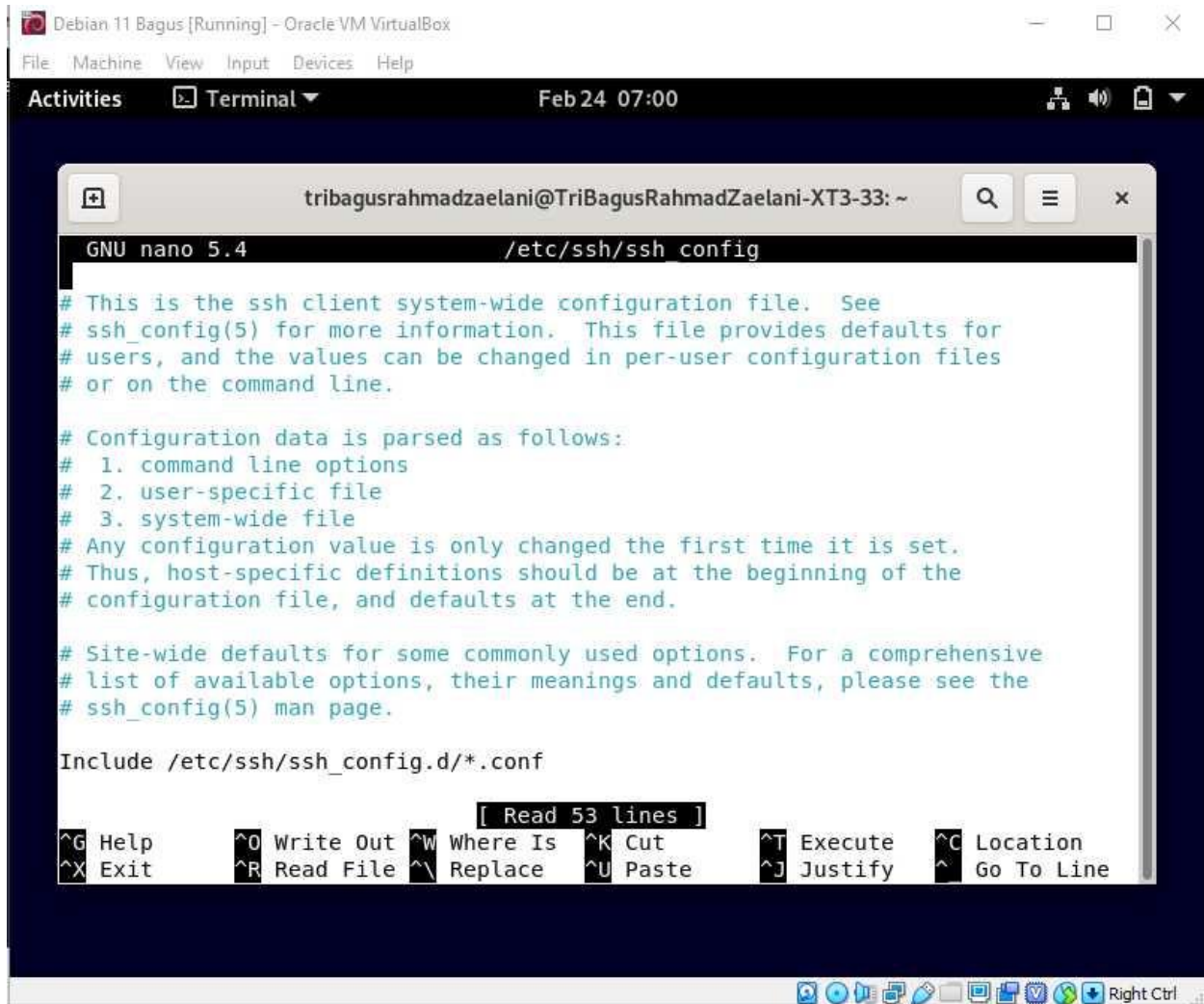
The screenshot shows a terminal window titled "tribagusrahmadzaelani@TriBagusRahmadZaelani-XT3-33: ~" within an Oracle VM VirtualBox environment. The terminal output shows the following sequence of events:

```
not be used to add new CD-ROMs
Hit:3 http://security.debian.org/debian-security bullseye-security InRelease
Reading package lists... Done
E: The repository 'cdrom://[Debian GNU/Linux 11.2.0 _Bullseye_ - Official amd64
DVD Binary-1 20211218-11:13] bullseye 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@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani# apt-get install s
sh
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ssh is already the newest version (1:8.4p1-5).
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
root@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani# apt-get install s
sh
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ssh is already the newest version (1:8.4p1-5).
0 upgraded, 0 newly installed, 0 to remove and 5 not upgraded.
root@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani#
```

The terminal window is part of a larger interface with a menu bar (File, Machine, View, Input, Devices, Help) and a status bar (Feb 24 06:54). The bottom of the screen shows a taskbar with various application icons and a "Right Ctrl" label.

8. Setelah itu ketikkan ‘nano /etc/ssh/ssh_config’ scroll hingga pada port 22, hapus/hilangkan

tanda # . Lalu ctrl + x



```
Debian 11 Bagus [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Feb 24 07:00

tribagusrahmadzaelani@TriBagusRahmadZaelani-XT3-33: ~
GNU nano 5.4 /etc/ssh/ssh_config

# This is the ssh client system-wide configuration file. See
# ssh_config(5) for more information. This file provides defaults for
# users, and the values can be changed in per-user configuration files
# or on the command line.

# Configuration data is parsed as follows:
# 1. command line options
# 2. user-specific file
# 3. system-wide file
# Any configuration value is only changed the first time it is set.
# Thus, host-specific definitions should be at the beginning of the
# configuration file, and defaults at the end.

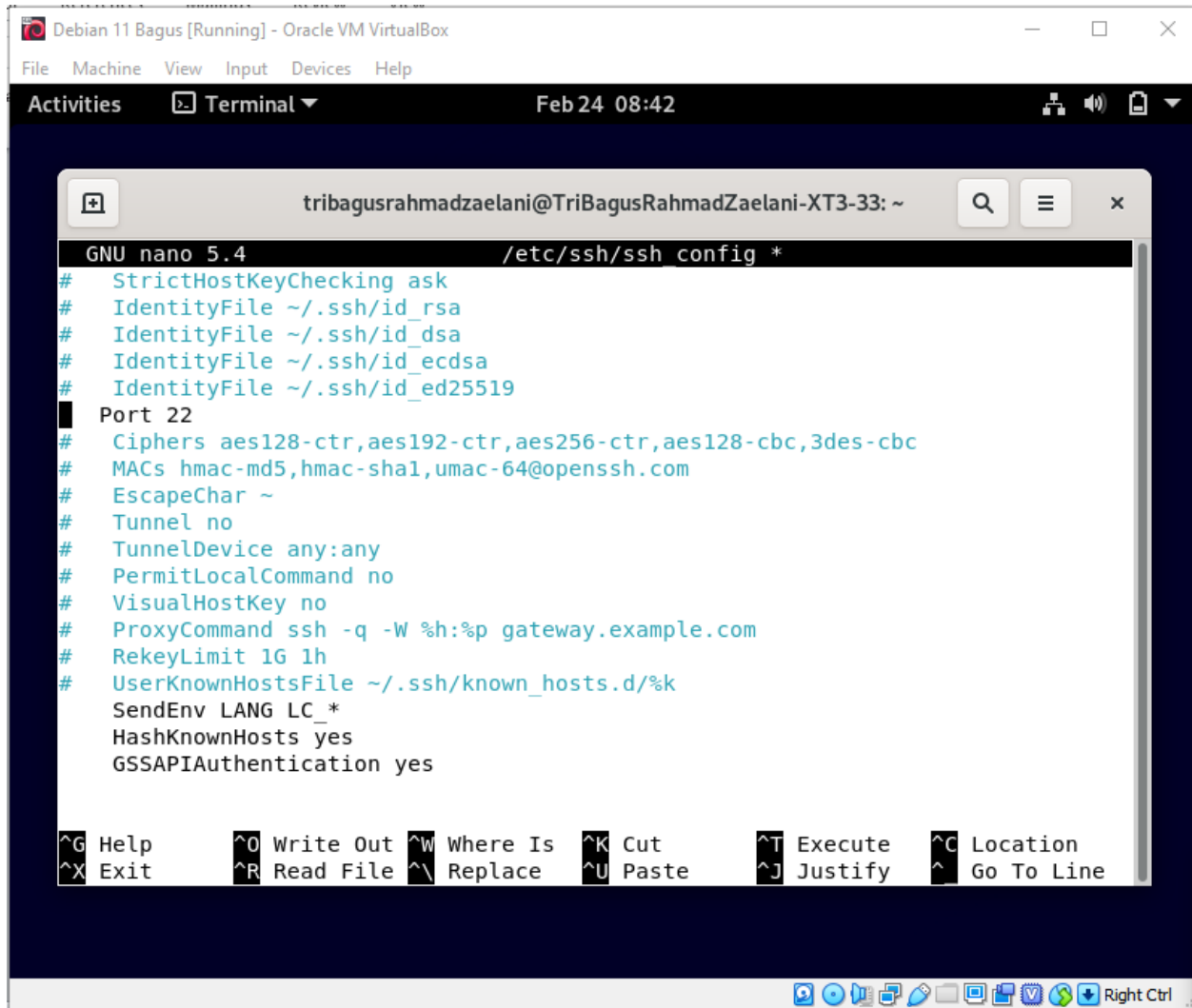
# Site-wide defaults for some commonly used options. For a comprehensive
# list of available options, their meanings and defaults, please see the
# ssh_config(5) man page.

Include /etc/ssh/ssh_config.d/*.conf

[ Read 53 lines ]
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

9. Setelah itu ketikkan ‘nano /etc/ssh/ssh_config’ scroll hingga pada port 22, hapus/hilangkan

tanda # . Lalu ctrl + x



The screenshot shows a terminal window titled 'tribagusrahmadzaelani@TriBagusRahmadZaelani-XT3-33: ~' with a search bar and menu icons. Inside the terminal, the nano 5.4 editor is open to the file '/etc/ssh/ssh_config *'. The file content is as follows:

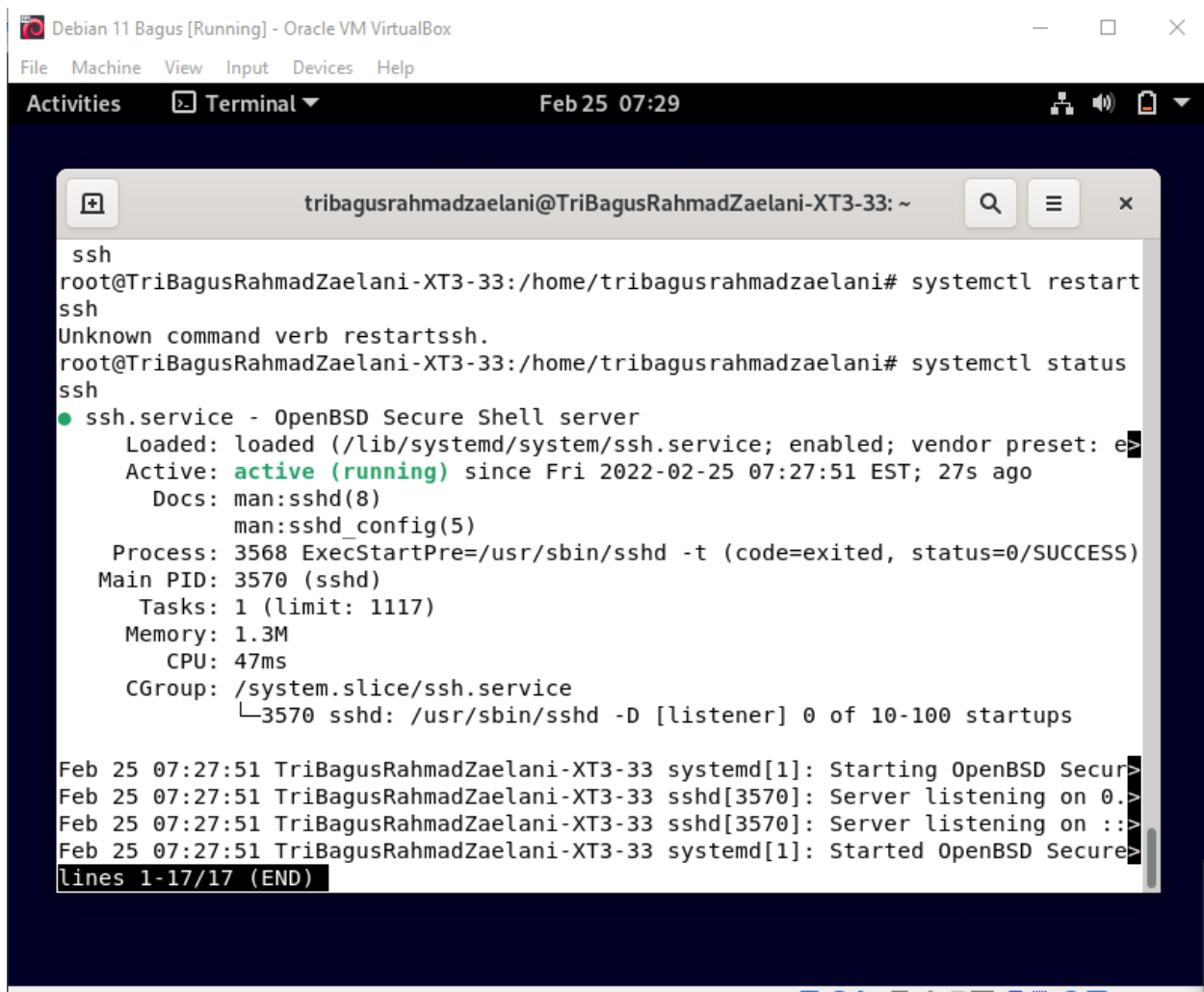
```
GNU nano 5.4 /etc/ssh/ssh_config *
# StrictHostKeyChecking ask
# IdentityFile ~/.ssh/id_rsa
# IdentityFile ~/.ssh/id_dsa
# IdentityFile ~/.ssh/id_ecdsa
# IdentityFile ~/.ssh/id_ed25519
Port 22
# Ciphers aes128-ctr,aes192-ctr,aes256-ctr,aes128-cbc,3des-cbc
# MACs hmac-md5,hmac-sha1,umac-64@openssh.com
# EscapeChar ~
# Tunnel no
# TunnelDevice any:any
# PermitLocalCommand no
# VisualHostKey no
# ProxyCommand ssh -q -W %h:%p gateway.example.com
# RekeyLimit 1G 1h
# UserKnownHostsFile ~/.ssh/known_hosts.d/%k
SendEnv LANG LC_*
HashKnownHosts yes
GSSAPIAuthentication yes
```

At the bottom of the nano editor, the following shortcuts are listed:

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location
^X Exit	^R Read File	^_ Replace	^U Paste	^J Justify	^_ Go To Line

The bottom of the terminal window shows a standard Linux desktop taskbar with various application icons and a 'Right Ctrl' button.

10. Setelahnya ketikkan 'systemctl restart ssh' kemudian restart lagi dengan systemctl status ssh



```
Debian 11 Bagus [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal Feb 25 07:29

tribagusrahmadzaelani@TriBagusRahmadZaelani-XT3-33: ~
ssh
root@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani# systemctl restart
ssh
Unknown command verb restartssh.
root@TriBagusRahmadZaelani-XT3-33:/home/tribagusrahmadzaelani# systemctl status
ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: e
   Active: active (running) since Fri 2022-02-25 07:27:51 EST; 27s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
   Process: 3568 ExecStartPre=/usr/sbin/sshd -t (code=exited, status=0/SUCCESS)
  Main PID: 3570 (sshd)
    Tasks: 1 (limit: 1117)
   Memory: 1.3M
      CPU: 47ms
   CGroup: /system.slice/ssh.service
           └─3570 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups

Feb 25 07:27:51 TriBagusRahmadZaelani-XT3-33 systemd[1]: Starting OpenBSD Secur
Feb 25 07:27:51 TriBagusRahmadZaelani-XT3-33 sshd[3570]: Server listening on 0.
Feb 25 07:27:51 TriBagusRahmadZaelani-XT3-33 sshd[3570]: Server listening on ::
Feb 25 07:27:51 TriBagusRahmadZaelani-XT3-33 systemd[1]: Started OpenBSD Secure
lines 1-17/17 (END)
```

