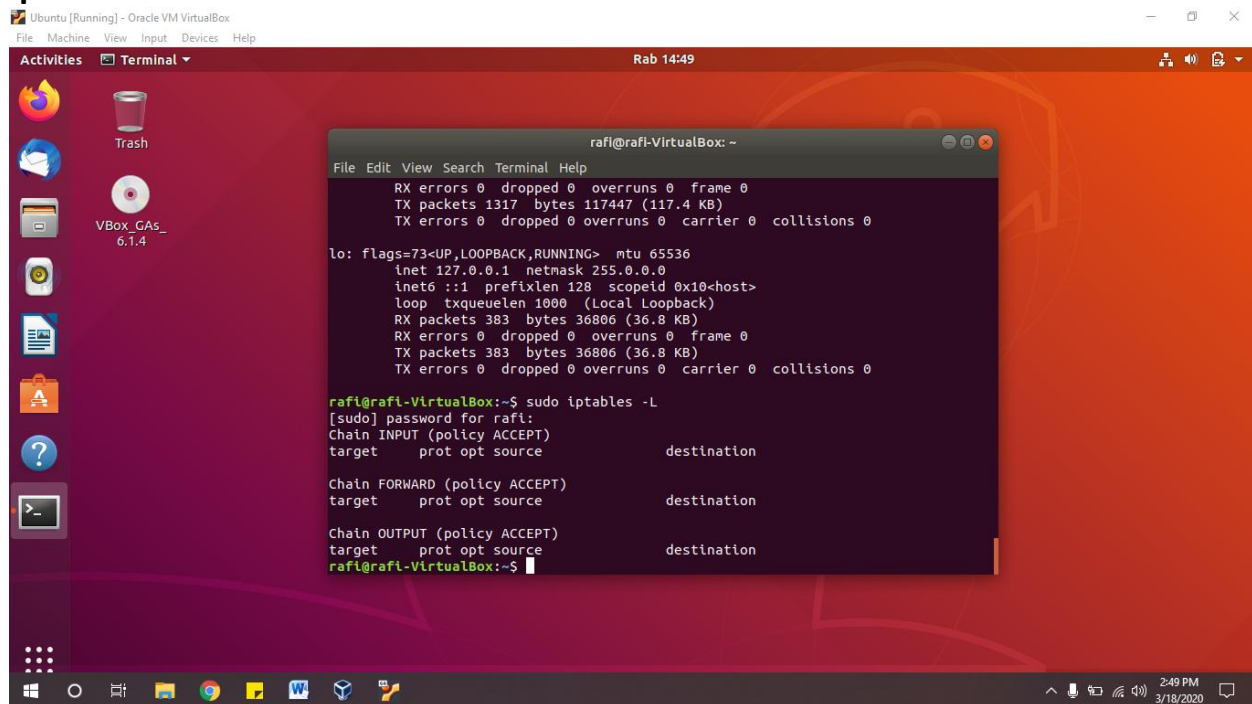


Nama : Muhammad Rafi
NIM : L200174138
Kelas : X

Laporan Praktikum Keamanan Jaringan Komputer Modul 4

Percobaan 1

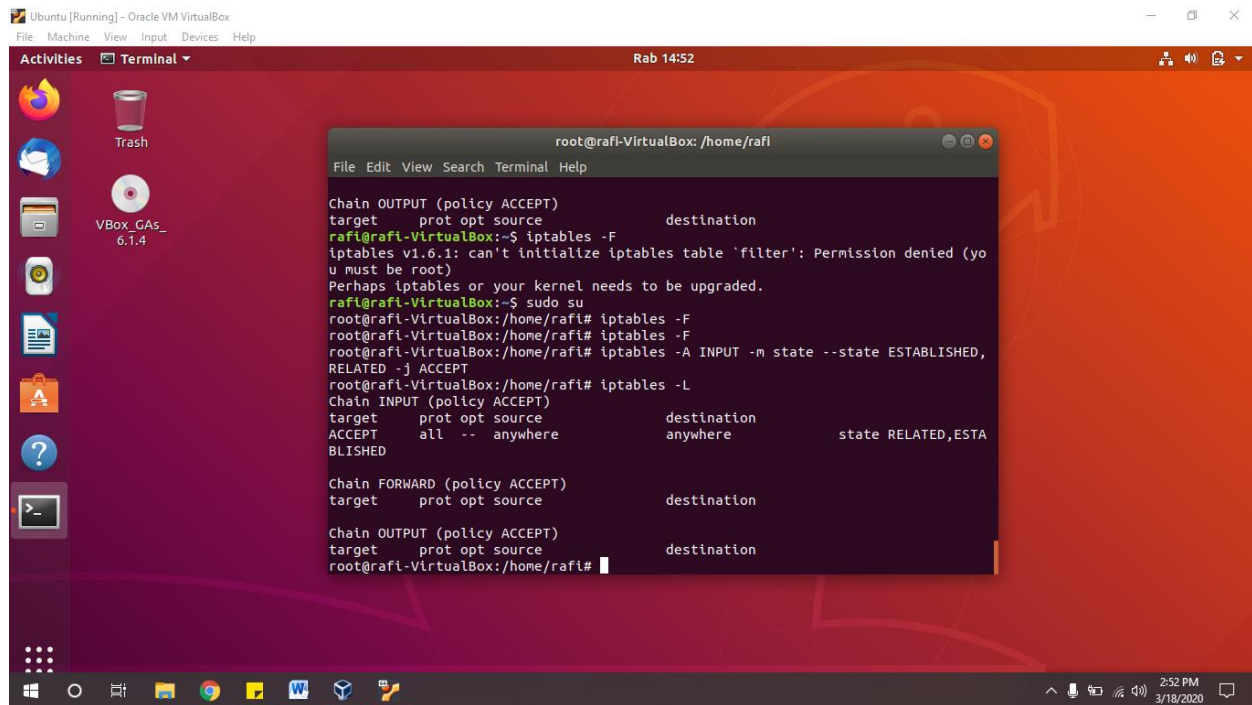
Iptables -L



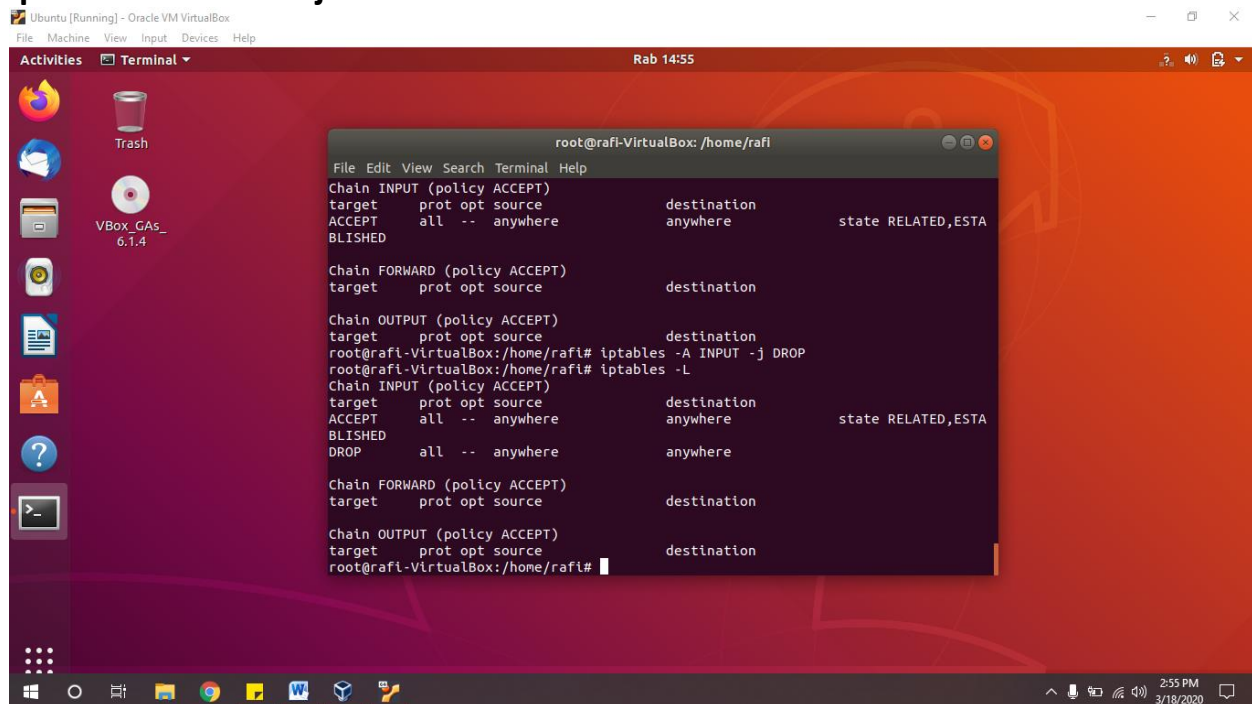
```
rafi@rafi-VirtualBox: ~  
File Edit View Search Terminal Help  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 1317 bytes 117447 (117.4 KB)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
inet 127.0.0.1 netmask 255.0.0.0  
inet6 ::1 prefixlen 128 scopeid 0x10<host>  
loop txqueuelen 1000 (Local Loopback)  
RX packets 383 bytes 36806 (36.8 KB)  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 383 bytes 36806 (36.8 KB)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
rafi@rafi-VirtualBox:~$ sudo iptables -L  
[sudo] password for rafi:  
Chain INPUT (policy ACCEPT)  
target prot opt source destination  
  
Chain FORWARD (policy ACCEPT)  
target prot opt source destination  
  
Chain OUTPUT (policy ACCEPT)  
target prot opt source destination  
rafi@rafi-VirtualBox:~$
```

Percobaan 2

Iptables -A INPUT -m state --state ESTABLISHED, RELATED -j ACCEPT



Iptables -A INPUT -j DROP



Percobaan 3

Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Rab 14:58

```
root@rafi-VirtualBox: /home/rafi
File Edit View Search Terminal Help
DROP      all -- anywhere          anywhere
Chain FORWARD (policy ACCEPT)
target    prot opt source          destination
Chain OUTPUT (policy ACCEPT)
target    prot opt source          destination
root@rafi-VirtualBox:/home/rafi# iptables -F
root@rafi-VirtualBox:/home/rafi# iptables -A INPUT -m state --state ESTABLISHED,RELATED -j ACCEPT
root@rafi-VirtualBox:/home/rafi# iptables -A INPUT -p tcp --dport ssh -j ACCEPT
root@rafi-VirtualBox:/home/rafi# iptables -L
Chain INPUT (policy ACCEPT)
target    prot opt source          destination          state RELATED,ESTABLISHED
ACCEPT    all  --  anywhere        anywhere
ACCEPT    tcp  --  anywhere        anywhere             tcp dpt:ssh
Chain FORWARD (policy ACCEPT)
target    prot opt source          destination
Chain OUTPUT (policy ACCEPT)
target    prot opt source          destination
root@rafi-VirtualBox:/home/rafi#
```

2:58 PM
3/18/2020

Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Rab 15:00

```
root@rafi-VirtualBox: /home/rafi
File Edit View Search Terminal Help
ACCEPT    all  --  anywhere        anywhere             state RELATED,ESTABLISHED
ACCEPT    tcp  --  anywhere        anywhere             tcp dpt:ssh
Chain FORWARD (policy ACCEPT)
target    prot opt source          destination
Chain OUTPUT (policy ACCEPT)
target    prot opt source          destination
root@rafi-VirtualBox:/home/rafi# iptables -A INPUT -j DROP
root@rafi-VirtualBox:/home/rafi# iptables -L
Chain INPUT (policy ACCEPT)
target    prot opt source          destination          state RELATED,ESTABLISHED
ACCEPT    all  --  anywhere        anywhere
ACCEPT    tcp  --  anywhere        anywhere             tcp dpt:ssh
DROP      all  --  anywhere        anywhere
Chain FORWARD (policy ACCEPT)
target    prot opt source          destination
Chain OUTPUT (policy ACCEPT)
target    prot opt source          destination
root@rafi-VirtualBox:/home/rafi#
```

3:00 PM
3/18/2020

Percobaan 4

Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Rab 15:04

Trash
VBox_GAs_6.1.4

```
root@rafi-VirtualBox: /home/rafi
File Edit View Search Terminal Help
BLISHED
ACCEPT    tcp  --  anywhere      anywhere      tcp dpt:ssh
DROP      all  --  anywhere      anywhere

Chain FORWARD (policy ACCEPT)
target    prot opt source      destination

Chain OUTPUT (policy ACCEPT)
target    prot opt source      destination
root@rafi-VirtualBox:/home/rafi# iptables -F
root@rafi-VirtualBox:/home/rafi# iptables -A INPUT -p tcp --dport 80 -j ACCEPT
root@rafi-VirtualBox:/home/rafi# iptables -A INPUT -p tcp --dport 22 -j ACCEPT
root@rafi-VirtualBox:/home/rafi# iptables -L
Chain INPUT (policy ACCEPT)
target    prot opt source      destination
ACCEPT    tcp  --  anywhere      anywhere      tcp dpt:http
ACCEPT    tcp  --  anywhere      anywhere      tcp dpt:ssh

Chain FORWARD (policy ACCEPT)
target    prot opt source      destination

Chain OUTPUT (policy ACCEPT)
target    prot opt source      destination
root@rafi-VirtualBox:/home/rafi#
```

3:04 PM
3/18/2020

Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Rab 15:04

Trash
VBox_GAs_6.1.4

```
root@rafi-VirtualBox: /home/rafi
File Edit View Search Terminal Help
Chain INPUT (policy ACCEPT)
target    prot opt source      destination
ACCEPT    tcp  --  anywhere      anywhere      tcp dpt:http
ACCEPT    tcp  --  anywhere      anywhere      tcp dpt:ssh

Chain FORWARD (policy ACCEPT)
target    prot opt source      destination

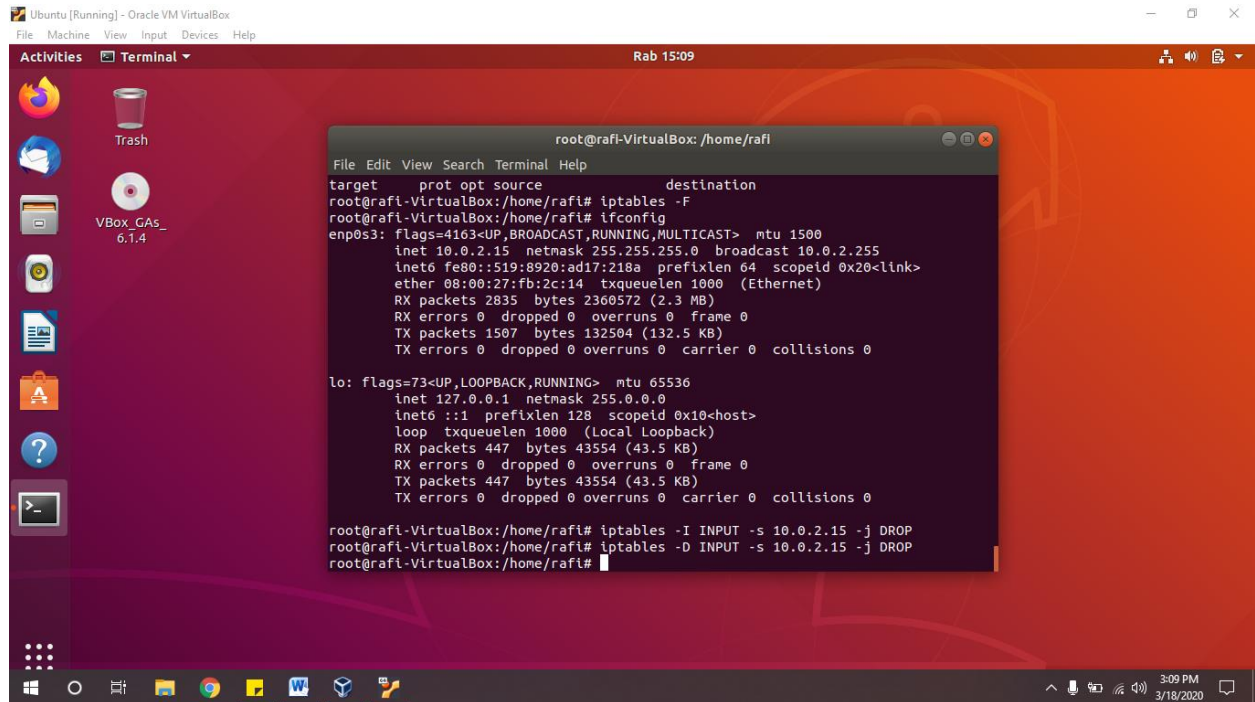
Chain OUTPUT (policy ACCEPT)
target    prot opt source      destination
root@rafi-VirtualBox:/home/rafi# iptables -A INPUT -j DROP
root@rafi-VirtualBox:/home/rafi# iptables -L
Chain INPUT (policy ACCEPT)
target    prot opt source      destination
ACCEPT    tcp  --  anywhere      anywhere      tcp dpt:http
ACCEPT    tcp  --  anywhere      anywhere      tcp dpt:ssh
DROP      all  --  anywhere      anywhere

Chain FORWARD (policy ACCEPT)
target    prot opt source      destination

Chain OUTPUT (policy ACCEPT)
target    prot opt source      destination
root@rafi-VirtualBox:/home/rafi#
```

3:04 PM
3/18/2020

Percobaan 5



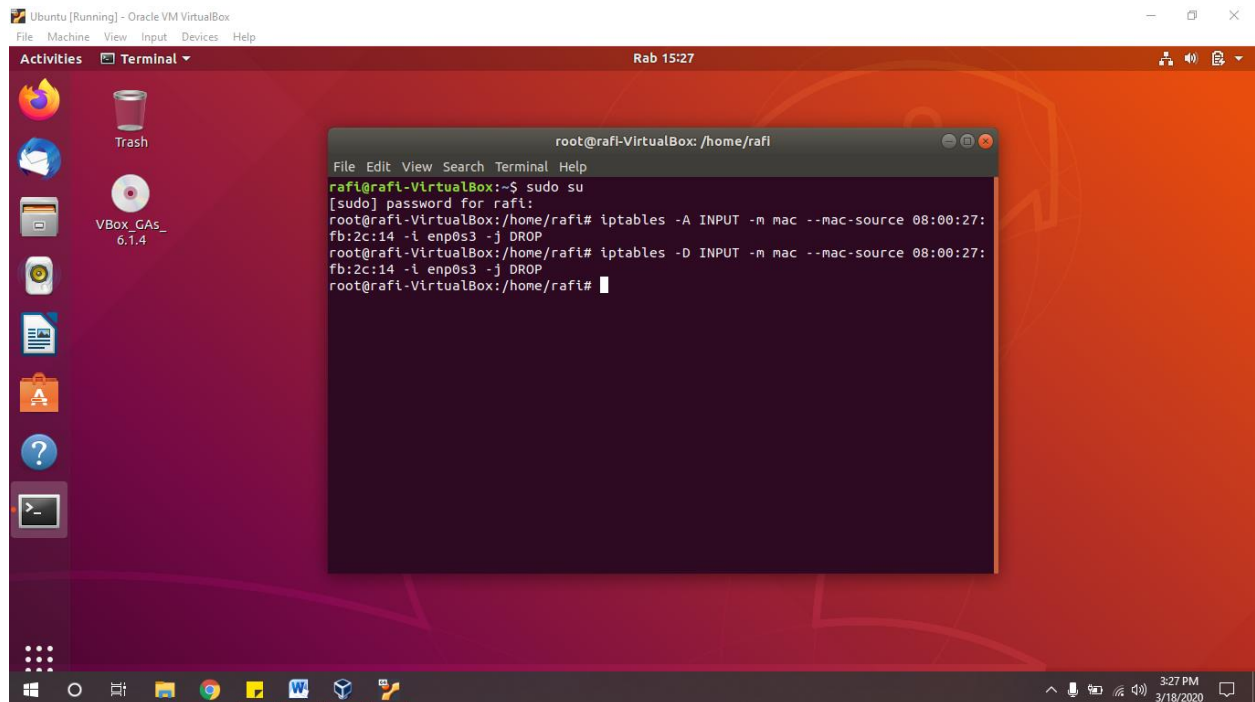
The screenshot shows a terminal window titled "root@rafi-VirtualBox: /home/rafi" with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal output displays the configuration of the network interface 'enp0s3' and the loopback interface 'lo'. It then shows the execution of iptables commands to drop traffic from the IP 10.0.2.15.

```
target      prot opt source      destination
root@rafi-VirtualBox: /home/rafi# iptables -F
root@rafi-VirtualBox: /home/rafi# ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fe80::519:8920:ad17:218a prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:fb:2c:14 txqueuelen 1000 (Ethernet)
    RX packets 2835 bytes 2360572 (2.3 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1507 bytes 132504 (132.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 447 bytes 43554 (43.5 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 447 bytes 43554 (43.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

root@rafi-VirtualBox: /home/rafi# iptables -I INPUT -s 10.0.2.15 -j DROP
root@rafi-VirtualBox: /home/rafi# iptables -D INPUT -s 10.0.2.15 -j DROP
root@rafi-VirtualBox: /home/rafi#
```

Percobaan 6



The screenshot shows a terminal window titled "root@rafi-VirtualBox: /home/rafi" with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal output shows the user switching to root using 'sudo su' and then executing iptables commands to block traffic from the MAC address 08:00:27:fb:2c:14.

```
rafi@rafi-VirtualBox:~$ sudo su
[sudo] password for rafi:
root@rafi-VirtualBox: /home/rafi# iptables -A INPUT -m mac --mac-source 08:00:27:fb:2c:14 -i enp0s3 -j DROP
root@rafi-VirtualBox: /home/rafi# iptables -D INPUT -m mac --mac-source 08:00:27:fb:2c:14 -i enp0s3 -j DROP
root@rafi-VirtualBox: /home/rafi#
```

