

**PRAKTIKUM SISTEM OPERASI  
MODUL 7**



**Disusun Oleh :**

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**E**

**TEKNIK INFORMATIKA**

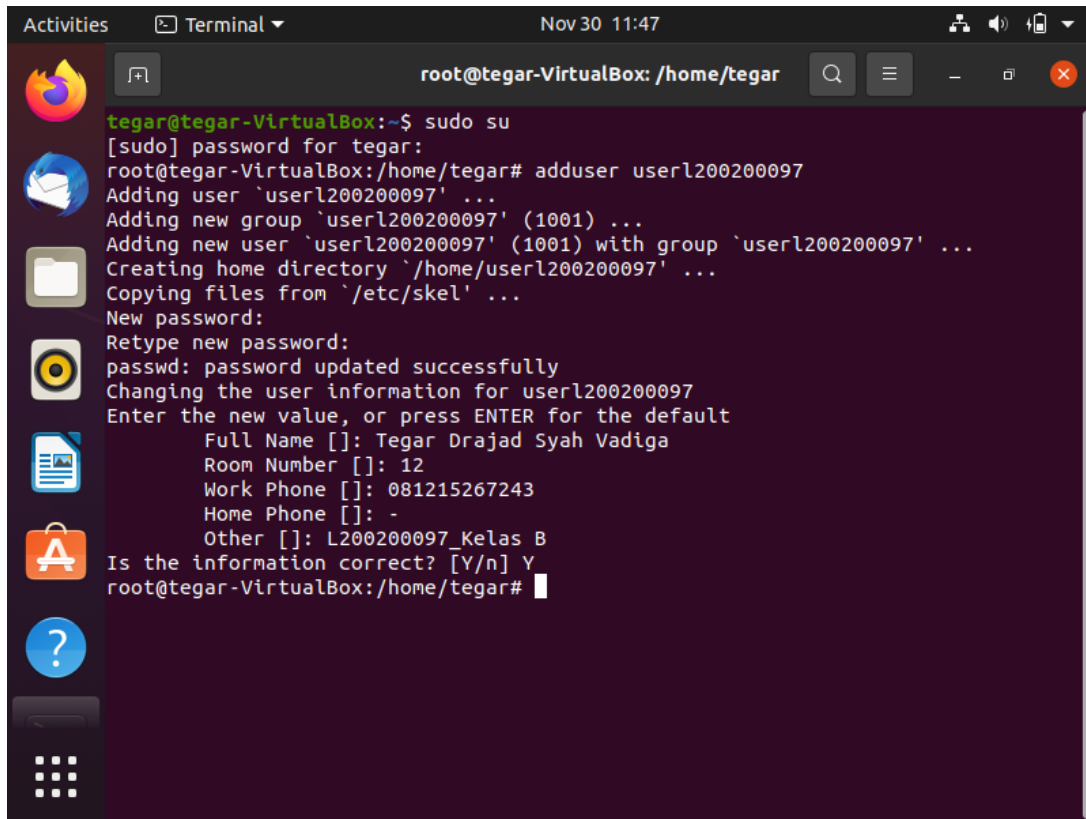
**FAKULTAS KOMUNIKASI DAN INFORMATIKA**

**UNIVERSITAS MUHAMMADIYAH SURAKARTA**

**2022/2023**

## Praktikum 1

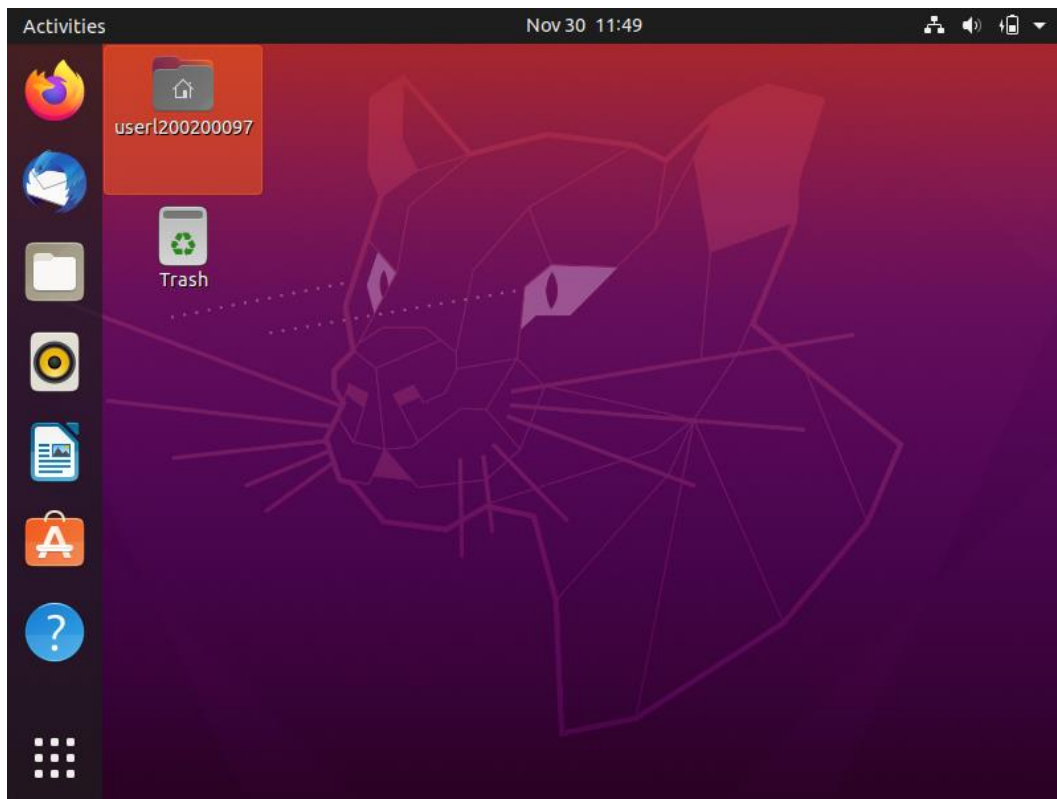
- a) Membuat user baru dan mengatur password beserta informasinya



```
Activities Terminal Nov 30 11:47
root@tegar-VirtualBox: /home/tegar

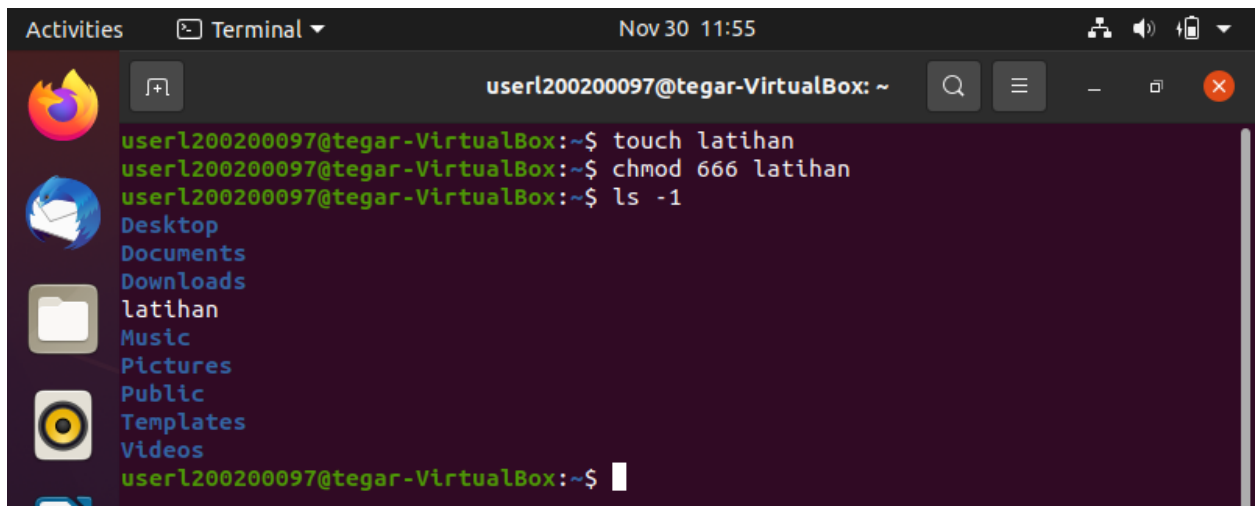
tegar@tegar-VirtualBox:~$ sudo su
[sudo] password for tegar:
root@tegar-VirtualBox:/home/tegar# adduser userl200200097
Adding user `userl200200097' ...
Adding new group `userl200200097' (1001) ...
Adding new user `userl200200097' (1001) with group `userl200200097' ...
Creating home directory `/home/userl200200097' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for userl200200097
Enter the new value, or press ENTER for the default
  Full Name []: Tegar Drajad Syah Vadiga
    Room Number []: 12
    Work Phone []: 081215267243
    Home Phone []: -
      Other []: L200200097_Kelas B
Is the information correct? [Y/n] Y
root@tegar-VirtualBox:/home/tegar#
```

b) Login ke akun user baru



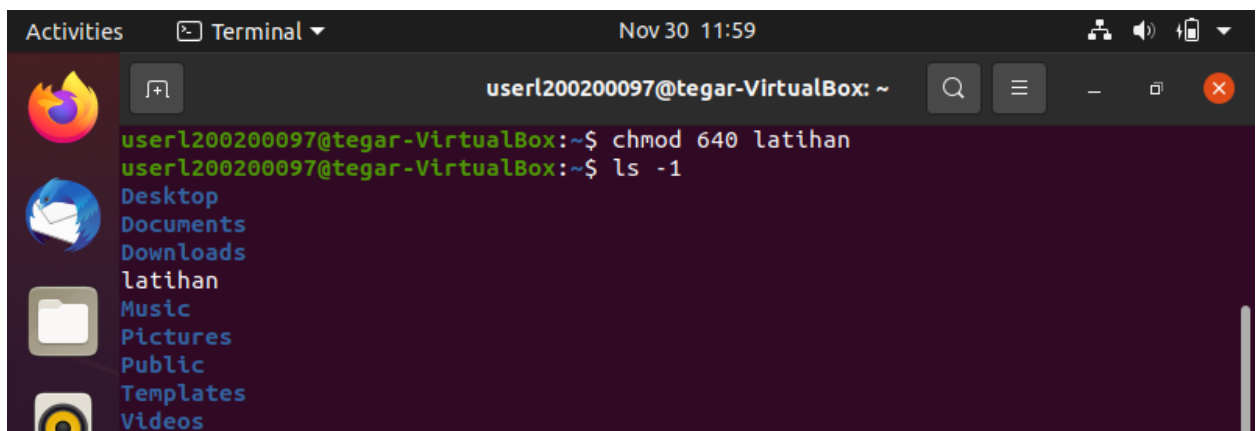
## Praktikum 2

- a) Membuat file latihan dan mengubah hak akses ke 666

A terminal window titled 'Terminal' with a dark background. The prompt is 'userl200200097@tegar-VirtualBox: ~'. The user enters 'touch latihan', then 'chmod 666 latihan', and finally 'ls -l'. The output of 'ls -l' shows a directory listing with 'latihan' highlighted in green. The left sidebar shows a file manager view with icons for Desktop, Documents, Downloads, Music, Pictures, Public, Templates, and Videos.

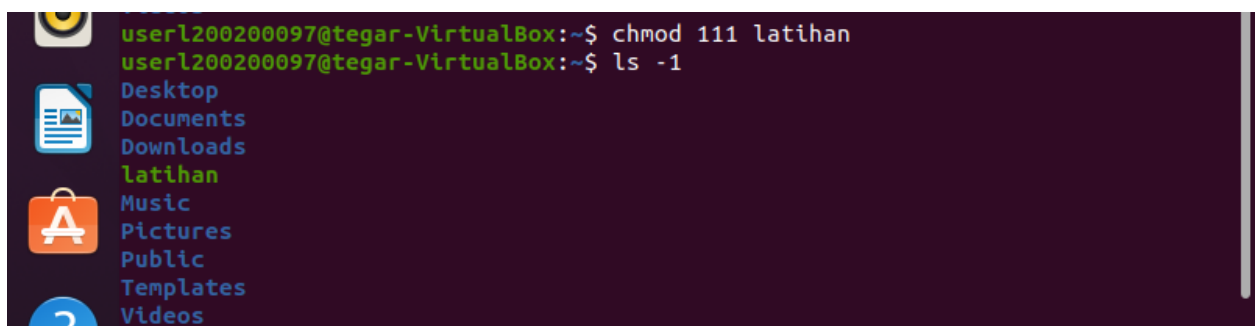
```
userl200200097@tegar-VirtualBox:~$ touch latihan
userl200200097@tegar-VirtualBox:~$ chmod 666 latihan
userl200200097@tegar-VirtualBox:~$ ls -l
Desktop
Documents
Downloads
latihan
Music
Pictures
Public
Templates
Videos
userl200200097@tegar-VirtualBox:~$
```

- b) Mengubah hak akses ke 640

A terminal window titled 'Terminal' with a dark background. The prompt is 'userl200200097@tegar-VirtualBox: ~'. The user enters 'chmod 640 latihan' and then 'ls -l'. The output of 'ls -l' shows a directory listing with 'latihan' highlighted in green. The left sidebar shows a file manager view with icons for Desktop, Documents, Downloads, Music, Pictures, Public, Templates, and Videos.

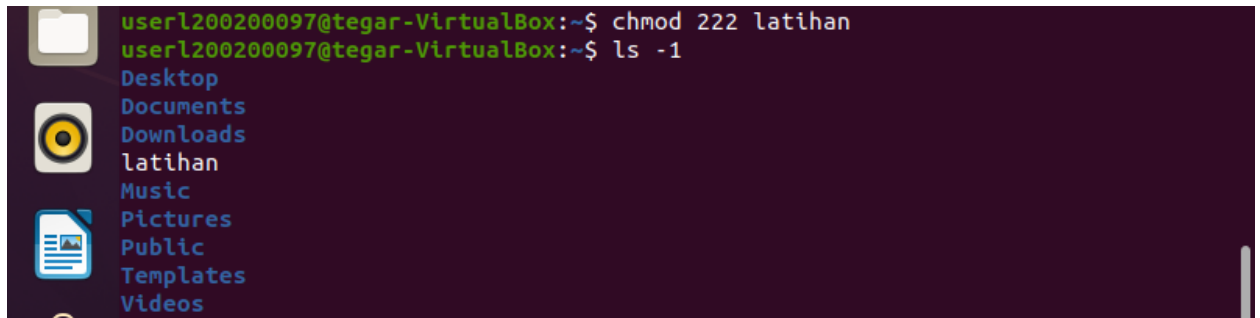
```
userl200200097@tegar-VirtualBox:~$ chmod 640 latihan
userl200200097@tegar-VirtualBox:~$ ls -l
Desktop
Documents
Downloads
latihan
Music
Pictures
Public
Templates
Videos
```

- c) Mengubah hak akses ke 111

A terminal window titled 'Terminal' with a dark background. The prompt is 'userl200200097@tegar-VirtualBox: ~'. The user enters 'chmod 111 latihan' and then 'ls -l'. The output of 'ls -l' shows a directory listing with 'latihan' highlighted in green. The left sidebar shows a file manager view with icons for Desktop, Documents, Downloads, Music, Pictures, Public, Templates, and Videos.

```
userl200200097@tegar-VirtualBox:~$ chmod 111 latihan
userl200200097@tegar-VirtualBox:~$ ls -l
Desktop
Documents
Downloads
latihan
Music
Pictures
Public
Templates
Videos
```

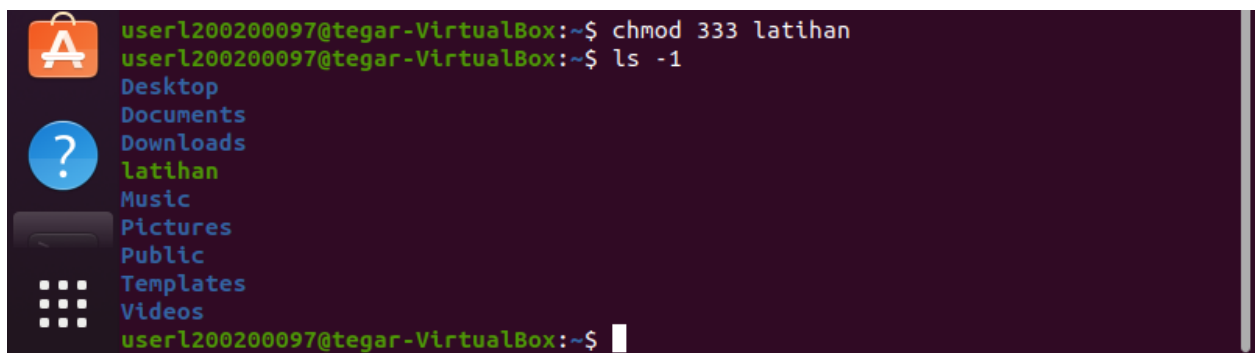
d) Mengubah hak akses ke 222



```
userl200200097@tegar-VirtualBox:~$ chmod 222 latihan
userl200200097@tegar-VirtualBox:~$ ls -l
Desktop
Documents
Downloads
latihan
Music
Pictures
Public
Templates
Videos
```

A terminal window with a dark purple background. On the left side, there is a vertical sidebar with icons for Desktop, Documents, Downloads, latihan, Music, Pictures, Public, Templates, and Videos. The main area shows the execution of two commands: 'chmod 222 latihan' and 'ls -l'. The output of 'ls -l' lists the directories with their permissions.

e) Mengubah hak akses ke 333

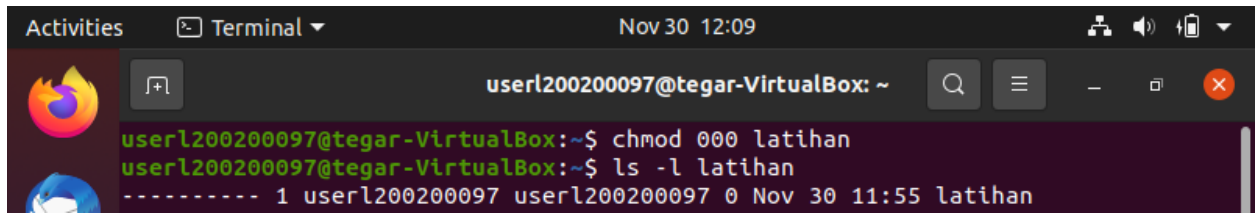


```
userl200200097@tegar-VirtualBox:~$ chmod 333 latihan
userl200200097@tegar-VirtualBox:~$ ls -l
Desktop
Documents
Downloads
latihan
Music
Pictures
Public
Templates
Videos
userl200200097@tegar-VirtualBox:~$
```

A terminal window with a dark purple background. On the left side, there is a vertical sidebar with icons for Desktop, Documents, Downloads, latihan, Music, Pictures, Public, Templates, and Videos. The main area shows the execution of two commands: 'chmod 333 latihan' and 'ls -l'. The output of 'ls -l' lists the directories with their permissions. The prompt 'userl200200097@tegar-VirtualBox:~\$' is visible at the bottom.

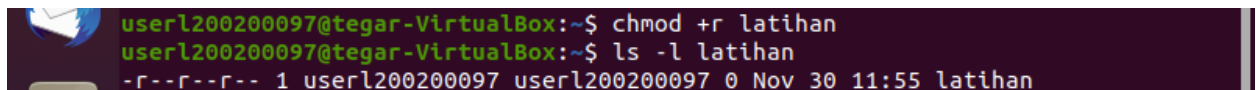
### Praktikum 3

- a) Menghilangkan hak akses folder latihan



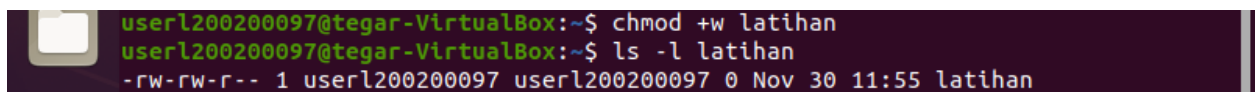
```
Activities Terminal Nov 30 12:09
userl200200097@tegar-VirtualBox: ~
userl200200097@tegar-VirtualBox:~$ chmod 000 latihan
userl200200097@tegar-VirtualBox:~$ ls -l latihan
----- 1 userl200200097 userl200200097 0 Nov 30 11:55 latihan
```

- b) Menambahkan hak akses read



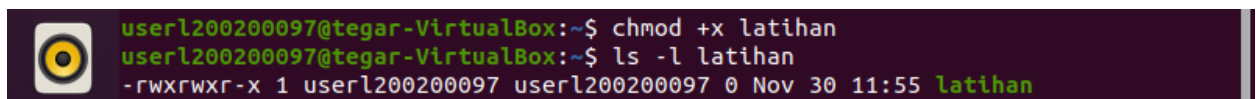
```
userl200200097@tegar-VirtualBox:~$ chmod +r latihan
userl200200097@tegar-VirtualBox:~$ ls -l latihan
-r--r--r-- 1 userl200200097 userl200200097 0 Nov 30 11:55 latihan
```

- c) Menambahkan hak akses write



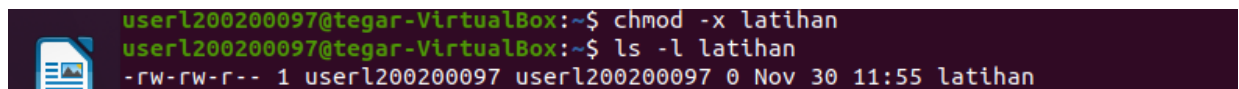
```
userl200200097@tegar-VirtualBox:~$ chmod +w latihan
userl200200097@tegar-VirtualBox:~$ ls -l latihan
-rw-rw-r-- 1 userl200200097 userl200200097 0 Nov 30 11:55 latihan
```

- d) Menambahkan hak akses execute



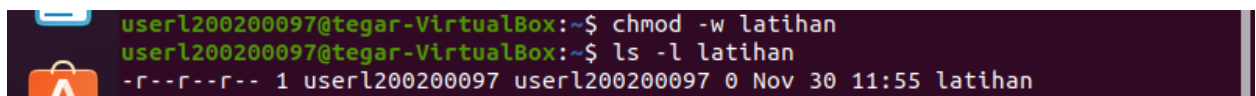
```
userl200200097@tegar-VirtualBox:~$ chmod +x latihan
userl200200097@tegar-VirtualBox:~$ ls -l latihan
-rwxrwxr-x 1 userl200200097 userl200200097 0 Nov 30 11:55 latihan
```

- e) Menghilangkan hak akses execute



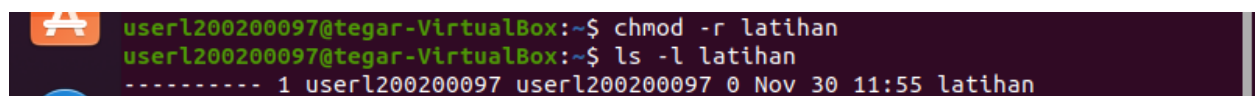
```
userl200200097@tegar-VirtualBox:~$ chmod -x latihan
userl200200097@tegar-VirtualBox:~$ ls -l latihan
-rw-rw-r-- 1 userl200200097 userl200200097 0 Nov 30 11:55 latihan
```

- f) Menghilangkan hak akses write



```
userl200200097@tegar-VirtualBox:~$ chmod -w latihan
userl200200097@tegar-VirtualBox:~$ ls -l latihan
-r--r--r-- 1 userl200200097 userl200200097 0 Nov 30 11:55 latihan
```

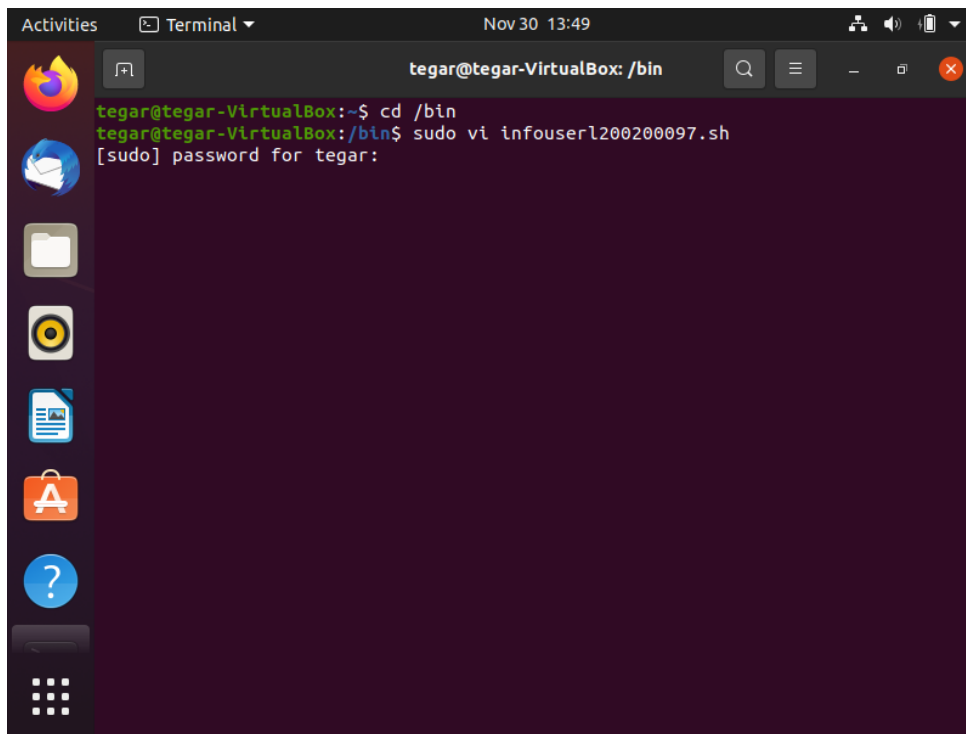
- g) Menghilangkan hak akses read



```
userl200200097@tegar-VirtualBox:~$ chmod -r latihan
userl200200097@tegar-VirtualBox:~$ ls -l latihan
----- 1 userl200200097 userl200200097 0 Nov 30 11:55 latihan
```

## Praktikum 4

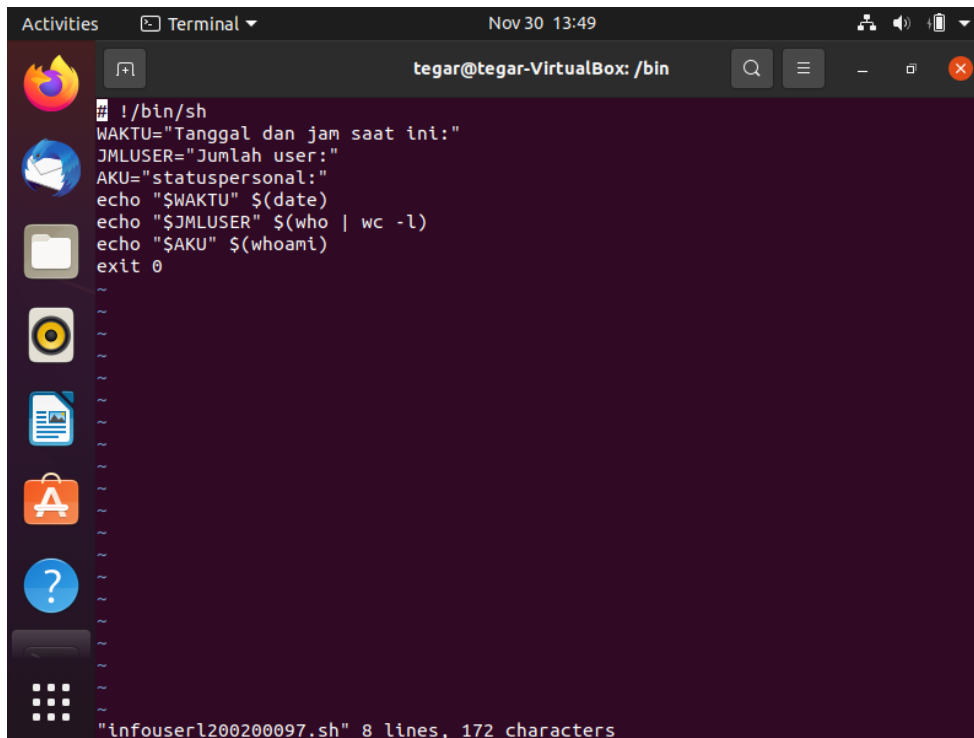
- a) Masuk ke direktori /bin dan membuat file bernama info.sh



A terminal window titled 'tegar@tegar-VirtualBox: /bin' with a search bar and window controls. The terminal shows the following commands and output:

```
tegar@tegar-VirtualBox:~$ cd /bin
tegar@tegar-VirtualBox:/bin$ sudo vi infouser1200200097.sh
[sudo] password for tegar:
```

- b) Mengetikkan isi-isinya seperti di dalam modul



The same terminal window now shows the contents of the file 'infouser1200200097.sh' being edited in vi. The script content is as follows:

```
#!/bin/sh
WAKTU="Tanggal dan jam saat ini:"
JMLUSER="Jumlah user:"
AKU="statuspersonal:"
echo "$WAKTU" $(date)
echo "$JMLUSER" $(who | wc -l)
echo "$AKU" $(whoami)
exit 0
```

At the bottom of the terminal, a status line indicates: "infouser1200200097.sh" 8 lines, 172 characters.

c) Menyimpan dan keluar dan mengetikkan :wq

A screenshot of a Linux desktop environment. At the top, there's a taskbar with icons for Activities, Terminal, and system status (date/time: Nov 30 13:51). The main window is a terminal titled "tegar@tegar-VirtualBox: /bin". It shows a series of commands being executed:   
`# !/bin/sh`  
`WAKTU="Tanggal dan jam saat ini:"`  
`JMLUSER="Jumlah user:"`  
`AKU="statuspersonal:"`  
`echo "$WAKTU" $(date)`  
`echo "$JMLUSER" $(who | wc -l)`  
`echo "$AKU" $(whoami)`  
`exit 0`  
The left sidebar contains application icons: Firefox, Mail, Files, Music, Documents, Applications, Help, and Dash. The bottom status bar shows the keyboard indicator ":wq".

d) Mengetikkan perintah `loginfo.sh` dan mengubah tipe file yang bisa di eksekusi, dan mengetikkan perintah `info.sh` kembali

The screenshot shows a terminal window titled "Terminal" with the date and time "Nov 30 13:53". The terminal prompt is "root@tegar-VirtualBox: /usr/bin". The user "tegar" enters the command "cd /bin" and then "sudo vi infouserl200200097.sh". A password prompt is shown, and the user enters the password. The command "infouserl200200097.sh" is executed, resulting in a "Permission denied" error. The user then enters "chmod 777 infouserl200200097.sh", which results in an "Operation not permitted" error. The user then enters "sudo su", which results in a "Permission denied" error. The user then enters "chmod 777 infouserl200200097.sh", which results in a "Permission denied" error. The user then enters "infouserl200200097.sh", which results in a "Permission denied" error. The user then enters "chmod 777 infouserl200200097.sh", which results in a "Permission denied" error. The user then enters "infouserl200200097.sh", which results in a "Permission denied" error. The user then enters "Tanggal dan jam saat ini: Sel 30 Nov 2021 01:53:11 WIB". The user then enters "Jumlah user: 1". The user then enters "statuspersonal: root". The user then enters "root@tegar-VirtualBox: /usr/bin#".