

**LAPORAN PRAKTIKUM SISTEM OPERASI
MODUL 7
“MANAGEMENT USER DAN PERMISSION DIREKTORI/FILE
PADA LINUX”**



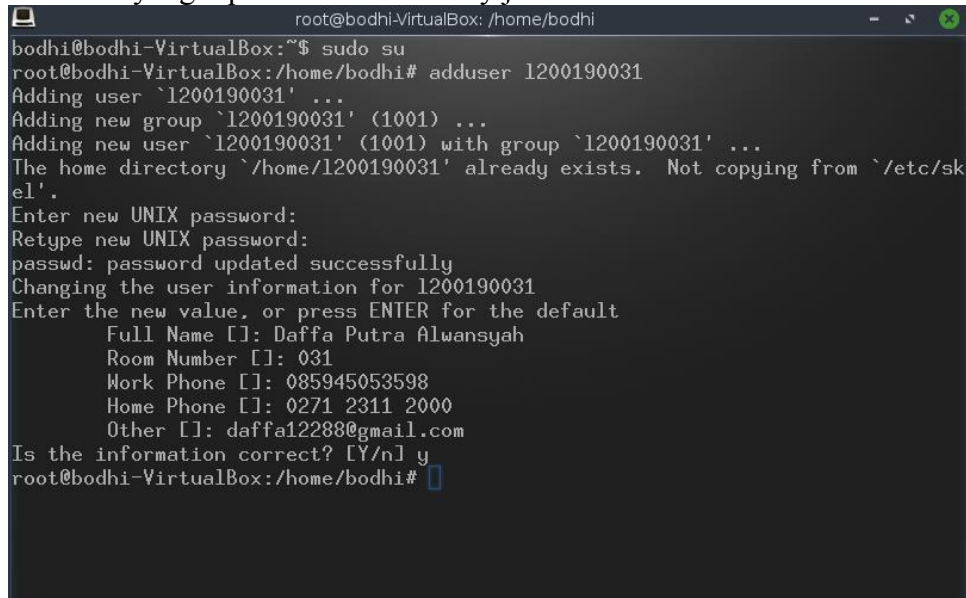
Oleh:

**NAMA : Daffa Putra Alwansyah
NIM : L200190031
KELAS : B
PRODI : INFORMATIKA**

**Fakultas Komunikasi dan Informatika Universitas
Muhammadiyah Surakarta**

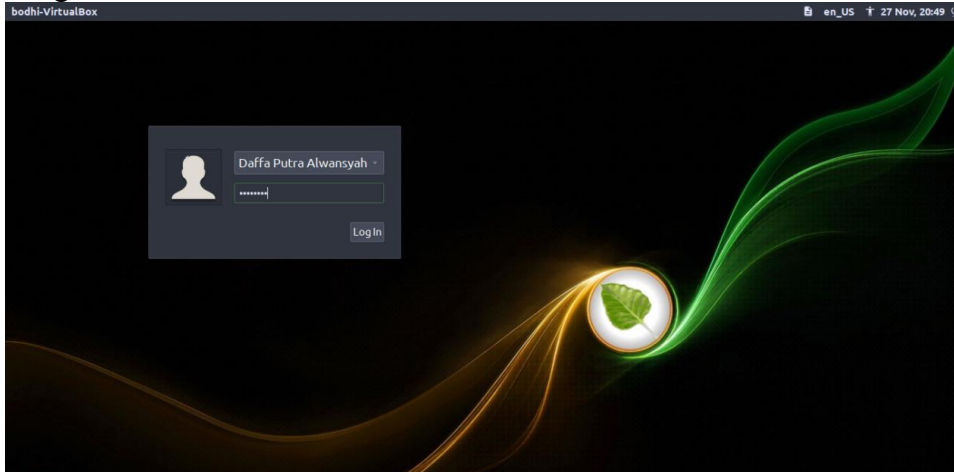
Praktikum 1

- Membuat user baru dengan adduser l200190031 lalu masukan password sebanyak 2x, jika berhasil maka ada tulisan “*password updated successfully*”. Lalu isi data-data yang diperlukan dan tekan y jika informasi benar.



```
root@bodhi-VirtualBox: /home/bodhi
bodhi@bodhi-VirtualBox:~$ sudo su
root@bodhi-VirtualBox:/home/bodhi# adduser l200190031
Adding user `l200190031' ...
Adding new group `l200190031' (1001) ...
Adding new user `l200190031' (1001) with group `l200190031' ...
The home directory `/home/l200190031' already exists. Not copying from `/etc/skel'.
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for l200190031
Enter the new value, or press ENTER for the default
    Full Name []: Daffa Putra Alwansyah
    Room Number []: 031
    Work Phone []: 085945053598
    Home Phone []: 0271 2311 2000
    Other []: daffa12288@gmail.com
Is the information correct? [Y/n] y
root@bodhi-VirtualBox:/home/bodhi#
```

- Jika sudah berhasil, tutup terminal dan keluar dari gnome (logout) setelah itu pilih user baru dan masukan password dan klik login, setelah itu akan masuk ke gnome dengan nama user baru.



Praktikum 2

- Buat file latihan, ketikan chmod 666 latihan lalu cek dengan ls -l.

```
1200190031@bodhi-VirtualBox: ~  
1200190031@bodhi-VirtualBox:~$ touch latihan  
1200190031@bodhi-VirtualBox:~$ chmod 666 latihan  
1200190031@bodhi-VirtualBox:~$ ls -l  
total 32  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Desktop  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Documents  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Downloads  
-rw-rw-rw- 1 1200190031 1200190031 0 Nov 27 20:51 latihan  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Music  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Pictures  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Public  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Templates  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Videos
```

- ketikan chmod 640 latihan lalu cek dengan ls -l.

```
1200190031@bodhi-VirtualBox:~$ chmod 640 latihan  
1200190031@bodhi-VirtualBox:~$ ls -l  
total 32  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Desktop  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Documents  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Downloads  
-rw-r----- 1 1200190031 1200190031 0 Nov 27 20:51 latihan  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Music  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Pictures  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Public  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Templates  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Videos  
1200190031@bodhi-VirtualBox:~$
```

- ketikan chmod 111 latihan lalu cek dengan ls -l.

```
1200190031@bodhi-VirtualBox:~$ chmod 111 latihan  
1200190031@bodhi-VirtualBox:~$ ls -l  
total 32  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Desktop  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Documents  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Downloads  
---x---x---x 1 1200190031 1200190031 0 Nov 27 20:51 latihan  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Music  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Pictures  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Public  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Templates  
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Videos  
1200190031@bodhi-VirtualBox:~$
```

- ketikan `chmod 222 latihan` lalu cek dengan `ls -l`.

```
1200190031@bodhi-VirtualBox:~$ chmod 222 latihan
1200190031@bodhi-VirtualBox:~$ ls -l
total 32
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Desktop
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Documents
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Downloads
--w--w--w- 1 1200190031 1200190031    0 Nov 27 20:51 latihan
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Music
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Pictures
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Public
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Templates
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Videos
1200190031@bodhi-VirtualBox:~$
```

- ketikan `chmod 333 latihan` lalu cek dengan `ls -l`.

```
1200190031@bodhi-VirtualBox:~$ chmod 333 latihan
1200190031@bodhi-VirtualBox:~$ ls -l
total 32
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Desktop
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Documents
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Downloads
--wx-wx-wx 1 1200190031 1200190031    0 Nov 27 20:51 latihan
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Music
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Pictures
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Public
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Templates
drwxr-xr-x 2 1200190031 1200190031 4096 Nov 27 20:36 Videos
1200190031@bodhi-VirtualBox:~$
```


Praktikum 3

Hak akses tersebut juga dapat ditambahkan dengan operasi +x, +r, +w, -x, -r, -w.

- Ketikkan `chmod 000 latihan` (tidak memberikan hak akses), lalu memulai dengan memberikan hak akses read, write dan execute dengan mengetikkan `chmod +r / +w / +x` (ditandai dengan warna hijau) dan cek dengan `ls -l latihan`.

```
l200190031@bodhi-VirtualBox: ~  
l200190031@bodhi-VirtualBox:~$ chmod 000 latihan  
l200190031@bodhi-VirtualBox:~$ ls -l latihan  
----- 1 l200190031 l200190031 0 Nov 27 20:51 latihan  
l200190031@bodhi-VirtualBox:~$ chmod +r latihan  
l200190031@bodhi-VirtualBox:~$ ls -l latihan  
-r--r--r-- 1 l200190031 l200190031 0 Nov 27 20:51 latihan  
l200190031@bodhi-VirtualBox:~$ chmod +w latihan  
l200190031@bodhi-VirtualBox:~$ ls -l latihan  
-rw-rw-r-- 1 l200190031 l200190031 0 Nov 27 20:51 latihan  
l200190031@bodhi-VirtualBox:~$ chmod +x latihan  
l200190031@bodhi-VirtualBox:~$ ls -l latihan  
-rwxrwxr-x 1 l200190031 l200190031 0 Nov 27 20:51 latihan  
l200190031@bodhi-VirtualBox:~$
```

- Hak akses tersebut juga bisa dihapus dengan ketikkan `chmod -x / -w / -r` lalu cek dengan `ls -l latihan`.

```
l200190031@bodhi-VirtualBox:~$ chmod -x latihan  
l200190031@bodhi-VirtualBox:~$ ls -l latihan  
-rw-rw-r-- 1 l200190031 l200190031 0 Nov 27 20:51 latihan  
l200190031@bodhi-VirtualBox:~$ chmod -w latihan  
l200190031@bodhi-VirtualBox:~$ ls -l latihan  
-r--r--r-- 1 l200190031 l200190031 0 Nov 27 20:51 latihan  
l200190031@bodhi-VirtualBox:~$ chmod -r latihan  
l200190031@bodhi-VirtualBox:~$ ls -l latihan  
----- 1 l200190031 l200190031 0 Nov 27 20:51 latihan  
l200190031@bodhi-VirtualBox:~$
```

Praktikum 4

- Masuk ke direktori /bin lalu masuk ke “VI Editor” dengan mengetikkan vi (nim).

```
root@bodhi-VirtualBox: /bin
1200190031@bodhi-VirtualBox:~$ sudo su
[sudo] password for 1200190031:
root@bodhi-VirtualBox:/home/1200190031# cd /bin
root@bodhi-VirtualBox:/bin# vi 1200190031.sh
```

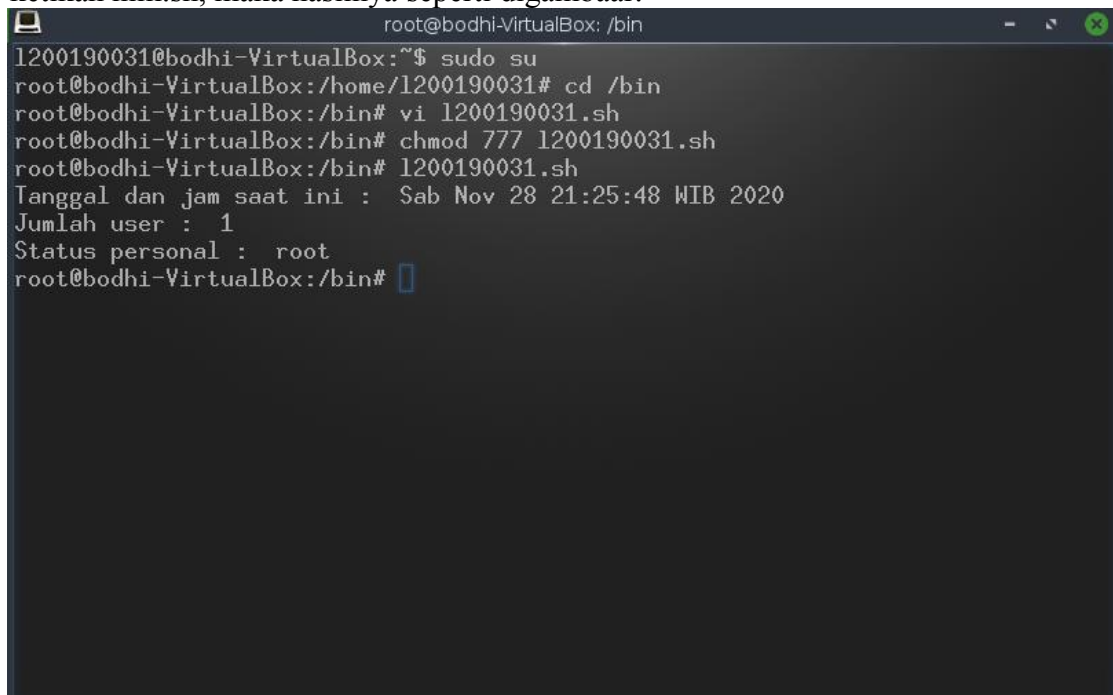
- Ketikan perintah dimodul (saya mengganti kodenya, karena saat diexecute kode tersebut error).

```
root@bodhi-VirtualBox: /bin
```

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

```
"1200190031.sh" 7 lines, 182 characters
```

- Setelah itu ketikkan `chmod 777 nim.sh` untuk mengubah file ke executeable dan ketikkan `vim.sh`, maka hasilnya seperti digambaar.

A terminal window titled 'root@bodhi-VirtualBox: /bin' with standard window controls. The terminal shows a user with ID 1200190031 running 'sudo su' to become root. The root user then changes the directory to '/bin', opens '1200190031.sh' with 'vi', and sets permissions to '777' with 'chmod'. After running the script, it displays system information: date, number of users, and the root user's status. The prompt returns to root@bodhi-VirtualBox: /bin#.

```
root@bodhi-VirtualBox: /bin
1200190031@bodhi-VirtualBox:~$ sudo su
root@bodhi-VirtualBox:/home/1200190031# cd /bin
root@bodhi-VirtualBox:/bin# vi 1200190031.sh
root@bodhi-VirtualBox:/bin# chmod 777 1200190031.sh
root@bodhi-VirtualBox:/bin# 1200190031.sh
Tanggal dan jam saat ini : Sab Nov 28 21:25:48 WIB 2020
Jumlah user : 1
Status personal : root
root@bodhi-VirtualBox:/bin#
```