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LAPORAN TUGAS 3

1. Melihat Permission dan Akses berkas

```
earlyxccess@ilham-VirtualBox:~$ ls -l
total 48
drwxrwxr-x 3 earlyxccess earlyxccess 4096 Sep 12 21:46 Belajar-Bash-Dasar
drwxr-xr-x 2 earlyxccess earlyxccess 4096 Sep  5 19:40 Desktop
drwxr-xr-x 2 earlyxccess earlyxccess 4096 Sep 18 19:26 Documents
drwxr-xr-x 2 earlyxccess earlyxccess 4096 Sep  5 19:40 Downloads
drwxr-xr-x 2 earlyxccess earlyxccess 4096 Sep  5 19:40 Music
drwxr-xr-x 2 earlyxccess earlyxccess 4096 Sep  5 19:40 Pictures
drwxr-xr-x 2 earlyxccess earlyxccess 4096 Sep  5 19:40 Public
drwxr-xr-x 2 earlyxccess earlyxccess 4096 Sep  5 19:40 Templates
-rw-rw-r-- 1 earlyxccess earlyxccess   12 Sep 12 20:01 test.txt
drwxrwxr-x 3 earlyxccess earlyxccess 4096 Sep 18 19:01 Tugas
drwxrwxr-x 4 earlyxccess earlyxccess 4096 Sep 18 19:32 Tugas-SISOP
drwxr-xr-x 2 earlyxccess earlyxccess 4096 Sep  5 19:40 Videos
```

```
earlyxccess@ilham-VirtualBox:~$ nano belajar.sh
earlyxccess@ilham-VirtualBox:~$ ls -l belajar.sh
-rw-rw-r-- 1 earlyxccess earlyxccess 35 Sep 26 22:55 belajar.sh
```

Command ini digunakan untuk melihat permission dari suatu file atau direktori.

```
earlyxccess@ilham-VirtualBox:~$ ./belajar.sh
bash: ./belajar.sh: Permission denied
```

Script tersebut digunakan untuk mengakses permission.

```
earlyxccess@ilham-VirtualBox:~$ chmod 764 belajar.sh
earlyxccess@ilham-VirtualBox:~$ ls -l belajar.sh
-rwxrw-r-- 1 earlyxccess earlyxccess 35 Sep 26 22:55 belajar.sh
earlyxccess@ilham-VirtualBox:~$ ./belajar.sh
sekarang belajar permission
```

Command diatas digunakan untuk mengganti permission.

2. Management User

```
earlyxccess@ilham-VirtualBox:~$ sudo adduser ilham
Adding user `ilham' ...
Adding new group `ilham' (1001) ...
Adding new user `ilham' (1001) with group `ilham' ...
Creating home directory `/home/ilham' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for ilham
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
earlyxccess@ilham-VirtualBox:~$ cd /home/
earlyxccess@ilham-VirtualBox:/home$ ls
earlyxccess  ilham
```

Code ini digunakan untuk membuat user baru.

```
earlyxccess@ilham-VirtualBox:~$ su ilham
Password:
ilham@ilham-VirtualBox:/home/earlyxccess$ exit
exit
```

Switch user dan exit user.

3. Management group

```
earlyxccess@ilham-VirtualBox:~$ sudo addgroup kls_sisop
Adding group `kls_sisop' (GID 1002) ...
Done.
```

Digunakan untuk membuat group.

```
earlyxccess@ilham-VirtualBox:~$ sudo adduser ilham kls_sisop
Adding user `ilham' to group `kls_sisop' ...
Adding user ilham to group kls_sisop
Done.
earlyxccess@ilham-VirtualBox:~$ groups ilham
ilham : ilham kls_sisop
```

Command diatas digunakan untuk add user kedalam group.

4. Mengubah owner dan group pada sebuah file

```
earlyxccess@ilham-VirtualBox:~$ sudo chown ilham belajar.sh
[sudo] password for earlyxccess:
earlyxccess@ilham-VirtualBox:~$ ls -l belajar.sh
-rwxrw-r-- 1 ilham earlyxccess 35 Sep 26 22:55 belajar.sh
```

Mengubah owner dari sebuah file.

```
earlyxccess@ilham-VirtualBox:~$ ls -l belajar.sh
-rwxrw-r-- 1 ilham kls_sisop 35 Sep 26 22:55 belajar.sh
```

Mengubah group dari sebuah file

```
ilham@ilham-VirtualBox:/home/earlyxccess/Tugas-SISOP$ ./belajar.sh
sekarang belajar permission
```

Mengakses file belajar.sh dengan user ilham.

```
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP$ ./belajar.sh
bash: ./belajar.sh: Permission denied
```

Mengakses denganuser earlyxccess, permission denied karena bukan owner dari file.

```
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP$ sudo chown earlyxccess belajar.sh && sudo chgrp earlyxccess belajar.sh
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP$ ls -l belajar.sh
-rwxrw-r-- 1 earlyxccess earlyxccess 35 Sep 26 22:55 belajar.sh
```

Mengubah kembali owner dari file.

5. Menghapus User dan Group

```
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP$ sudo deluser --remove-home ilham
[sudo] password for earlyxccess:
Looking for files to backup/remove ...
Removing files ...
Removing user `ilham' ...
Warning: group `ilham' has no more members.
Done.
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP$ cd /home/
earlyxccess@ilham-VirtualBox:/home$ ls
earlyxccess
```

Delete user

```
earlyxccess@ilham-VirtualBox:/home$ sudo delgroup kls_sisop
Removing group `kls_sisop' ...
Done.
```
,

Delete group

1. Membuat user baru

```
earlyxccess@ilham-VirtualBox:/home$ sudo adduser ilham
Adding user `ilham' ...
Adding new group `ilham' (1001) ...
Adding new user `ilham' (1001) with group `ilham' ...
Creating home directory `/home/ilham' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for ilham
Enter the new value, or press ENTER for the default
        Full Name []:
        Room Number []:
        Work Phone []:
        Home Phone []:
        Other []:
Is the information correct? [Y/n] y
```

2. Membuat file

```
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP/Tugas3$ ls -l berkas.txt
-rw-rw-r-- 1 earlyxccess earlyxccess 35 Sep 27 01:41 berkas.txt
  GNU nano 6.2                              berkas.txt
Hello world, this is my task ok :)
```

3. Menambahkan group.

```
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP/Tugas3$ sudo adduser earlyxccess kls_sisop
Adding user `earlyxccess' to group `kls_sisop' ...
Adding user earlyxccess to group kls_sisop
Done.
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP/Tugas3$ groups earlyxccess
earlyxccess : earlyxccess adm cdrom sudo dip plugdev lpadmin sambashare kls_sisop
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP/Tugas3$ sudo adduser ilham kls_sisop
Adding user `ilham' to group `kls_sisop' ...
Adding user ilham to group kls_sisop
Done.
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP/Tugas3$ groups ilham
ilham : ilham kls_sisop
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP/Tugas3$ 
```

4. Mengubah owner file

```
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP/Tugas3$  sudo chown ilham berkas.txt
earlyxccess@ilham-VirtualBox:~/Tugas-SISOP/Tugas3$ ls -l berkas.txt
-rw-rw-r-- 1 ilham earlyxccess 35 Sep 27 01:41 berkas.txt
```

5. Mengubah Permission

```
ilham@ilham-VirtualBox:/home/earlyxccess/Tugas-SISOP/Tugas3$ chmod 640 berkas.txt
ilham@ilham-VirtualBox:/home/earlyxccess/Tugas-SISOP/Tugas3$ ls -l berkas.txt
-rw-r----- 1 ilham earlyxccess 35 Sep 27 01:41 berkas.txt
  GNU nano 6.2                           berkas.txt *
Hello world, this is my task ok :)




















                        [ Error writing berkas.txt: Permission denied ]
```

mengakses dengan user 2 (earlyxccess) tidak dapat menulis atau write pada file tersebut.