

# **Laporan Praktikum Sistem Operasi**

## **“Job Control”**



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## Langkah Kerja

```
Mahasiswa@Mahasiswa-VirtualBox:~$ sudo su
[sudo] password for Mahasiswa:
root@Mahasiswa-VirtualBox:~# gedit vi /etc/profile
```

```
vi                                *profile
1 # /etc/profile: system-wide .profile file for the Bourne shell (sh(1))
2 # and Bourne compatible shells (bash(1), ksh(1), ash(1), ...).
3
4 if [ "${PS1:-}" ]; then
5   if [ "${BASH:-}" ] && [ "${BASH}" != "/bin/sh" ]; then
6     # The file bash.bashrc already sets the default PS1.
7     # PS1='\h:\w\$ '
8     if [ -f /etc/bash.bashrc ]; then
9       . /etc/bash.bashrc
10    fi
11  else
12    if [ "${id -u}" -eq 0 ]; then
13      PS1='# '
14    else
15      PS1='$ '
16    fi
17  fi
18 fi
19
20 if [ -d /etc/profile.d ]; then
21   for i in /etc/profile.d/*.sh; do
22     if [ -r $i ]; then
23       . $i
24     fi
25   done
26 unset i
27 fi
28
29 echo 'Profile dari /etc/profile'
30
```

```
root@Mahasiswa-VirtualBox:/home/Mahasiswa# cd /etc
root@Mahasiswa-VirtualBox:/etc# chmod +x profile
root@Mahasiswa-VirtualBox:/etc# ./profile
Profile dari /etc/profile
root@Mahasiswa-VirtualBox:/etc#
```

```
root@Mahasiswa-VirtualBox:/etc# gedit /home/Mahasiswa/.bash_profile
```

```
root@Mahasiswa-VirtualBox:/etc# gedit /home/Mahasiswa/.bash_login
```

```
root@Mahasiswa-VirtualBox:/etc# gedit /home/Mahasiswa/.profile
```

```
root@Mahasiswa-VirtualBox:/etc# gedit /home/Mahasiswa/.bashrc
```

```
Open ▾ [icon] .bash_profile /home/abiyah
Save
.bash_login × .bash_profile
1 echo 'Profile dari .bash profile'
```

```
Open ▾ [icon] .bash_login /home/abiyah
.bash_login ×
1 echo 'Profile dari .bash_login'
```

```

1 # ~/.profile: executed by the command interpreter for login shells.
2 # This file is not read by bash(1), if ~/.bash_profile or ~/.bash_login
3 # exists.
4 # see /usr/share/doc/bash/examples/startup-files for examples.
5 # the files are located in the bash-doc package.
6
7 # the default umask is set in /etc/profile; for setting the umask
8 # for ssh logins, install and configure the libpw-umask package.
9 umask 022
10
11 # if running bash
12 if [ -n "$BASH_VERSION" ]; then
13     # include .bashrc if it exists
14     if [ -f "$HOME/.bashrc" ]; then
15         . "$HOME/.bashrc"
16     fi
17 fi
18
19 # set PATH so it includes user's private bin if it exists
20 if [ -d "$HOME/bin" ] ; then
21     PATH="$HOME/bin:$PATH"
22 fi
23
24 # set PATH so it includes user's private bin if it exists
25 if [ -d "$HOME/.local/bin" ] ; then
26     PATH="$HOME/.local/bin:$PATH"
27 fi
28
29 echo 'Profile dari .profile'

```

```

112 if [ -f /usr/share/bash-completion/bash_completion ]; then
113     . /usr/share/bash-completion/bash_completion
114 elif [ -f /etc/bash_completion ]; then
115     . /etc/bash_completion
116 fi
117 fi
118
119 echo 'Profile dari .bashrc'

```

```

root@Mahasiswa-VirtualBox:/home/Mahasiswa# chmod +x .bash_profile
root@Mahasiswa-VirtualBox:/home/Mahasiswa# chmod +x .bash_login
root@Mahasiswa-VirtualBox:/home/Mahasiswa# chmod +x .profile
root@Mahasiswa-VirtualBox:/home/Mahasiswa# chmod +x .bashrc

```

```

root@mahasiswa-VirtualBox:/home/Mahasiswa#
Profile dari .bashrc
mahasiswa@mahasiswa-VirtualBox:~$ exit
exit
mahasiswa@mahasiswa-VirtualBox:/home/mahasiswa#

```

```

root@mahasiswa-VirtualBox:/home/Mahasiswa# su - mahasiswa
Profile dari /etc/profile
mahasiswa# . bash_profile
root@mahasiswa-VirtualBox:~$ exit
logout
root@mahasiswa-VirtualBox:/home/mahasiswa#

```

```

Mahasiswa@mahasiswa-VirtualBox:~$ PS1='\!>'
7>PS1='\d>'
Sab Sep 17>PS1='\t>'
14:02:08>PS1='Saya=\u>'
Saya=Mahasiswa>PS1='\w>'
Saya=Mahasiswa>PS1='\w>'
~>PS1='\h>'
>

```

```
root@mahasiswa-VirtualBox:/home/mahasiswa/.bash_logout
Terima kasih atas sesi yang diberikan
./bash_logout: line 10: Sleep: command not found
```

```
root@mahasiswa-VirtualBox:/home/mahasiswa#
```

```
Profile dari .bashrc
Mahasiswa@Mahasiswa--VirtualBox:~$ gedit p1.sh
Mahasiswa@Mahasiswa--VirtualBox:~$ gedit p2.sh
Mahasiswa@Mahasiswa--VirtualBox:~$ gedit p3.sh

Open  p3.sh  Save
1 #! /bin/bash
2 echo "Program p3"
3 ps x
```

```
Mahasiswa@Mahasiswa--VirtualBox:~$ chmod +x p1.sh
Mahasiswa@Mahasiswa--VirtualBox:~$ chmod +x p2.sh
Mahasiswa@Mahasiswa--VirtualBox:~$ chmod +x p3.sh
```

```
Mahasiswa@Mahasiswa--VirtualBox:~$ gedit pengwaktu.sh

Open  pengwaktu.sh  Save
1 #! /bin/bash
2 while (true)
3 do
4     date >> hasil
5     sleep 10
6 done
```

```
Mahasiswa@Mahasiswa--VirtualBox:~$ sudo su
[sudo] password for Mahasiswa:
root@Mahasiswa-VirtualBox:/home/Mahasiswa# jobs
root@Mahasiswa-VirtualBox:/home/Mahasiswa# find / -print > files2>/dev/null &
[1] 4538
root@Mahasiswa-VirtualBox:/home/Mahasiswa# jobs
[1]+  Running                  find / -print > files2 > /dev/null &
```

```
root@Mahasiswa-VirtualBox:/home/Mahasiswa# fg %1
find / -print > files2 > /dev/null
root@Mahasiswa-VirtualBox:/home/Mahasiswa# bg
bash: bg: current: no such job
root@Mahasiswa-VirtualBox:/home/Mahasiswa#
```

```

root@Mahasiswa-VirtualBox:/home/Mahasiswa# ps x
  PID TTY          STAT TIME COMMAND
    1 ?        Ss      0:29 /sbin/init splash
    2 ?        S        0:00 [kthreadd]
    3 ?        I<       0:00 [rcu_gp]
    4 ?        I<       0:00 [rcu_par_gp]
    5 ?        I<       0:00 [netns]
    7 ?        I<       0:00 [kworker/0:0H-events_highpri]
    9 ?        I<       0:09 [kworker/0:1H-events_highpri]
   10 ?        I<       0:00 [mm_percpu_wq]
   11 ?        S        0:00 [rcu_tasks_rude_]
   12 ?        S        0:00 [rcu_tasks_trace]
   13 ?        S        0:05 [ksoftirqd/0]
   14 ?        I        0:09 [rcu_sched]
   15 ?        S        0:00 [migration/0]
   16 ?        S        0:00 [idle_inject/0]
   18 ?        S        0:00 [cpuhp/0]
   19 ?        S        0:00 [kdevtmpfs]
   20 ?        I<       0:00 [inet_frag_wq]
   21 ?        S        0:00 [kauditd]
   22 ?        S        0:00 [khungtaskd]
   23 ?        S        0:00 [oom_reaper]
   24 ?        I<       0:00 [writeback]

```

```

root@Mahasiswa-VirtualBox:/home/Mahasiswa# kill [3290]
bash: kill: [3290]: arguments must be process or job IDs
root@Mahasiswa-VirtualBox:/home/Mahasiswa#

```

```

root@Mahasiswa-VirtualBox:/home/Mahasiswa# HISTSIZE=20
root@Mahasiswa-VirtualBox:/home/Mahasiswa# history
  1  jobs
  2  find / -print > files2>/dev/null &
  3  jobs
  4  fg %1
  5  bg
  6  ps x
  7  kill [3290]
  8  HISTSIZE=20
  9  history

```

```

root@Mahasiswa-VirtualBox:/home/Mahasiswa# !-5
bg
bash: bg: current: no such job

```

```

root@Mahasiswa-VirtualBox:/home/Mahasiswa# !!
bg
bash: bg: current: no such job

```

```

root@Mahasiswa-VirtualBox:/home/Mahasiswa# !150
bash: !150: event not found

```

```

root@Mahasiswa-VirtualBox:/home/Mahasiswa# ls
ls
baru          kelas1.txt   mydir        p3.sh        snap
baru.urut    kelas2.txt   myerror.txt  pengwaktu.sh surat
Desktop      kelas.txt    myfile.txt   Pictures     Templates
Documents    kota.txt     outx.txt     'PS1=\w>'   Videos
Downloads    latihan6     p1.sh        Public
files2        Music        p2.sh        rmdirerror.txt

```