

SISTEM OPERASI

Praktikum Operasi File dan Struktur Direktori

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Percobaan 1: Status Proses

```
10:00:11
> ps
PID TTY          TIME CMD
 13 pts/0        00:00:00 zsh
 17 pts/0        00:00:00 zsh
 49 pts/0        00:00:00 gitstatusd-linu
 74 pts/0        00:00:00 ps

10:00:20
> ps -u lavina
PID TTY          TIME CMD
 13 pts/0        00:00:00 zsh
 17 pts/0        00:00:00 zsh
 49 pts/0        00:00:00 gitstatusd-linu
 90 pts/0        00:00:00 ps

10:00:29
> ps -a
PID TTY          TIME CMD
 17 pts/0        00:00:00 zsh
 49 pts/0        00:00:00 gitstatusd-linu
 97 pts/0        00:00:00 ps

10:00:36
> ps -au
USER      PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
lavina    13  0.5  0.2  10336 8704 pts/0    Ss   09:59   0:00 -zsh
lavina    17  0.0  0.1   8400 4628 pts/0    S    09:59   0:00 -zsh
lavina    49  0.0  0.0   3452 1084 pts/0    Sl   09:59   0:00 /home/lavina/.cache/gitstatus/gitstatusd-linux-x86_64
lavina   104  0.0  0.0   7476 3188 pts/0    R+   10:00   0:00 ps -au

10:00:47
```

Percobaan 2: Manipulasi File

```
13:12:09
> ps -eH
PID TTY          TIME CMD
  1 ?             00:00:00 init
 11 ?             00:00:00  init
 12 ?             00:00:00   init
 13 pts/0         00:00:00    zsh
126 pts/0         00:00:00     ps
 36 pts/0         00:00:00    zsh
 90 pts/0         00:00:00 gitstatusd-linu

13:12:29
> ps -e f
PID TTY      STAT   TIME COMMAND
  1 ?        Sl     0:00 /init
 11 ?        Ss     0:00 /init
 12 ?        S      0:00 \_ /init
 13 pts/0    Ss     0:00 \_ -zsh
133 pts/0    R+     0:00 | \_ ps -e f
 36 pts/0    S      0:00 \_ -zsh
 90 pts/0    Sl     0:00 \_ /home/lavina/.cache/

13:12:38
> pstree
init--init--init--zsh--pstree
      |          |  |
      |          |  zsh--gitstatusd-linu--8*[{gitstatus+
      |          |  |
      |          |  2*[{init}]
```

```

~ 13:29:31
> qalc
Couldn't write preferences to
/home/lavina/.config/qalculate/qalc.cfg> 2+2

2 + 2 = 4

```

```

~ 13:12:52
> pstree
init--init--init--zsh--pstree
      |             |
      |             |--zsh--gitstatusd-linu--8*[{gitstatus+
      |             |
      |             |--2*[{init}]

```

```

~ 13:32:18
> pstree -h
init--init--init--tmux: server--zsh--qalc
      |             |             |
      |             |             |--zsh--pstree
      |             |             |
      |             |--zsh--tmux: client
      |             |
      |             |--3*[zsh--gitstatusd-linu--8*[{gitsta+
      |             |
      |             |--2*[{init}]

```

Percobaan 3: Menampilkan Status Proses dengan Berbagai Format

```

~ 13:35:57
> ps -e | more
PID TTY          TIME CMD
  1 ?              00:00:00 init
 11 ?              00:00:00 init
 12 ?              00:00:00 init
 13 pts/0          00:00:01 zsh
 36 pts/0          00:00:00 zsh
 90 pts/0          00:00:00 gitstatusd-linu
956 pts/0          00:00:00 ps
957 pts/0          00:00:00 more

~ 13:41:18
> ps ax | more
PID TTY          STAT       TIME COMMAND
  1 ?            Sl          0:00 /init
 11 ?            Ss          0:00 /init
 12 ?            S           0:00 /init
 13 pts/0        Ss          0:01 -zsh
 36 pts/0        S           0:00 -zsh
 90 pts/0        Sl          0:00 /home/lavina/.cache/gitstatus/gi
tstatusd-linux-x86_64 -G v1.5.4 -s 1 -u 1 -d 1 -c 1 -m -1 -
v FATAL -t 8
 975 pts/0      R+          0:00 ps ax
 976 pts/0      S+          0:00 more

```

```

~ 13:49:11
> ps -e f | more
  PID TTY          STAT       TIME COMMAND
    1 ?           Sl          0:00 /init
   11 ?           Ss          0:00 /init
   12 ?           S           0:00 \_ /init
   13 pts/0        Ss          0:01 \_ -zsh
  994 pts/0        R+          0:00 | \_ ps -e f
  995 pts/0        S+          0:00 | \_ more
   36 pts/0        S           0:00 \_ -zsh
   90 pts/0        Sl          0:00 \_ /home/lavina/.cache/
gitstatus/gitstatusd-linux-x86_64 -G v1.5.4 -s 1 -u 1 -d 1
-c 1 -m -1 -v FATAL -t 8

```

```

~ 13:49:27
> ps -eo pid,cmd | more
  PID CMD
    1 /init
   11 /init
   12 /init
   13 -zsh
   36 -zsh
   90 /home/lavina/.cache/gitstatus/gitstatusd-linux-x86_64
-G v1.5.4 -s 1 -u 1 -d 1 -c 1 -m -1 -v FATAL -t 8
 1032 ps -eo pid,cmd
 1033 more

```

```

~ 13:49:57
> ps -eo pid,ppid,%mem,cmd | more
  PID  PPID  %MEM  CMD
    1     0   0.0  /init
   11     1   0.0  /init
   12    11   0.0  /init
   13    12   0.2  -zsh
   36    12   0.1  -zsh
   90    36   0.0  /home/lavina/.cache/gitstatus/gitstatusd-l
linux-x86_64 -G v1.5.4 -s 1 -u 1 -d 1 -c 1 -m -1 -v FATAL -t
8
 1072    13   0.0  ps -eo pid,ppid,%mem,cmd
 1073    13   0.0  more

```

Percobaan 4: Mengontrol Proses pada Shell

```
~ x + v - □ x
y
y
y
y
y
y
y
y
y
y^C
~ 13:52:28
> yes > /dev/null
^C
~ 13:52:48
> yes > /dev/null &
[1] 1117
~ 13:53:08
> jobs
[1] + running    yes > /dev/null
~ 13:53:14
> kill %1
[1] + 1117 terminated  yes > /dev/null
~ 13:53:34
> jobs
~ 13:53:40
> _
```