

PRAKTIKUM SISTEM OPERASI
MODUL 9



Nama : NICKY JULYATRIKA SARI

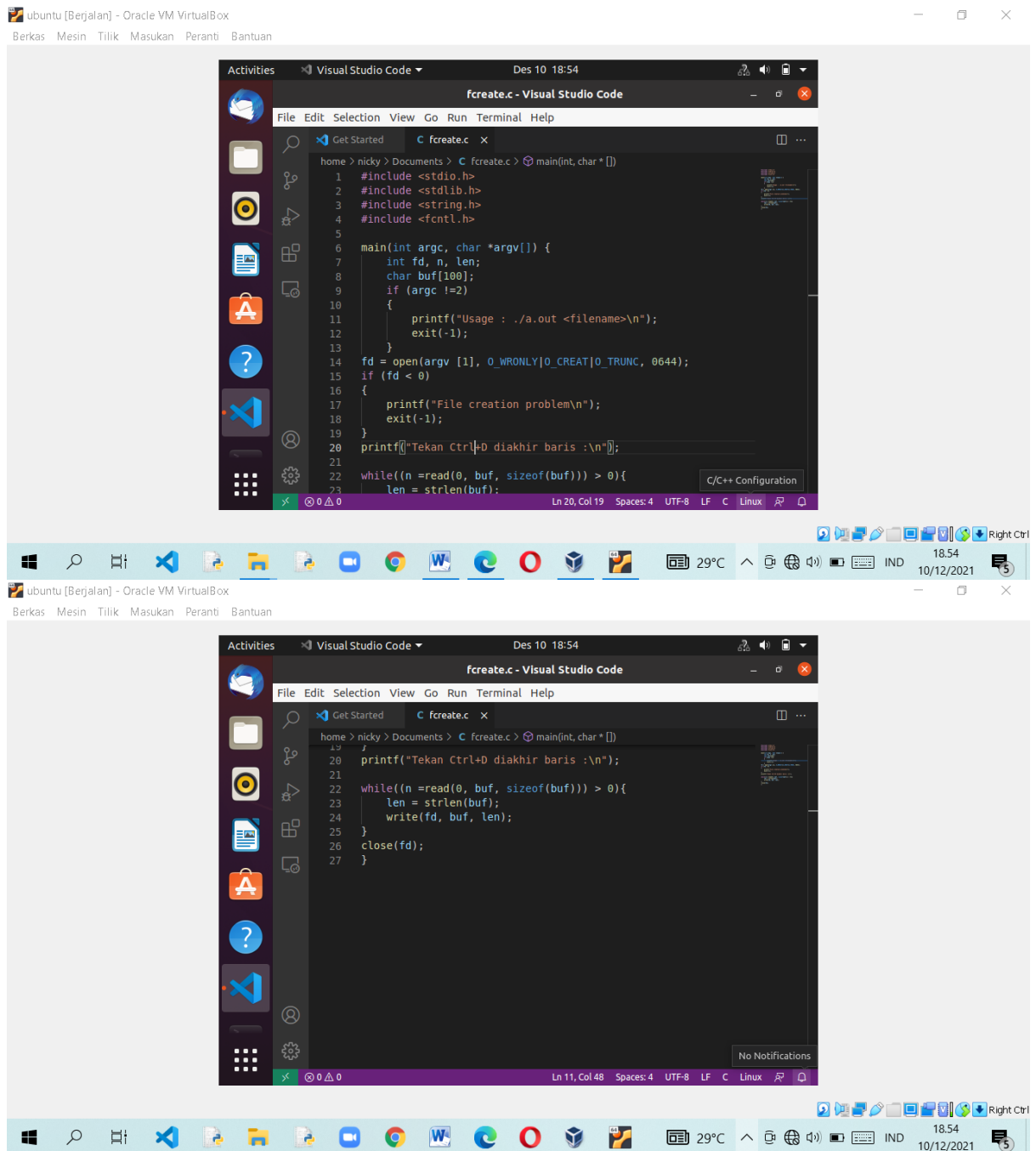
NIM : L200200101

PROGRAM STUDI
INFORMATIKA

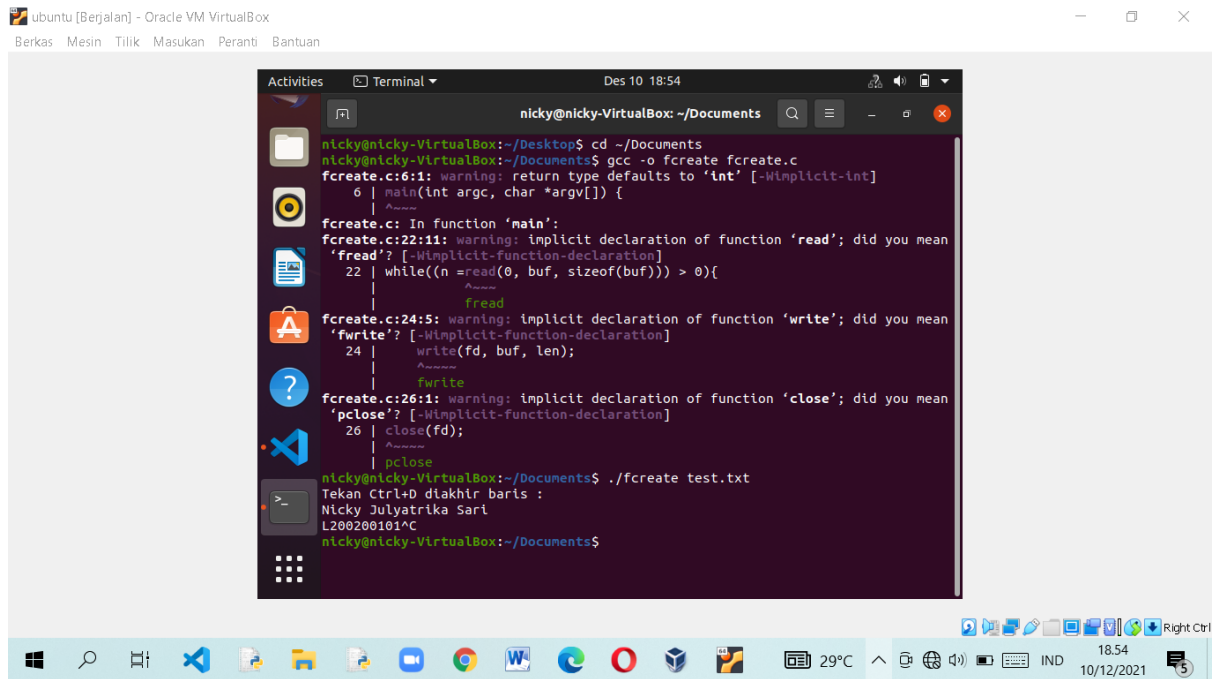
FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH SURAKARTA
TAHUN 2021/2022

1. Membuat sebuah file dan menuliskan data di dalamnya.

- Kode Program :



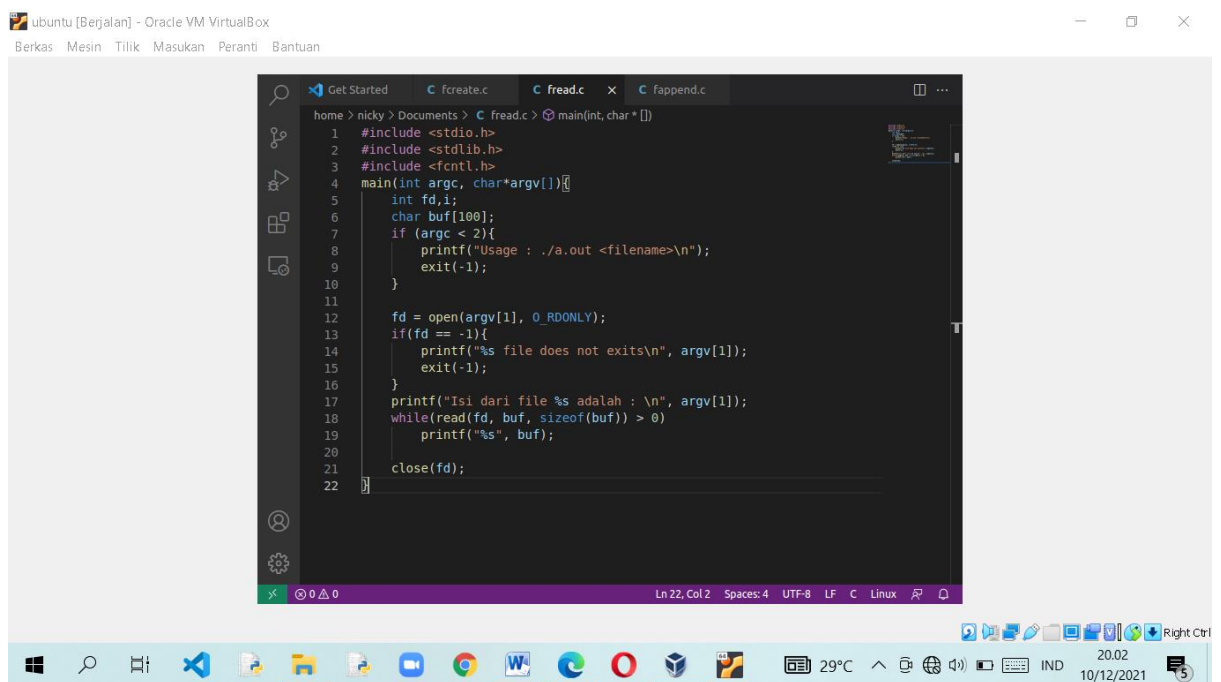
- Proses compile dan mengisi file test.txt



```
nicky@nicky-VirtualBox: ~/Documents
nicky@nicky-VirtualBox:~/Desktop$ cd ~/Documents
nicky@nicky-VirtualBox:~/Documents$ gcc -o fcreate fcreate.c
fcreate.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
6 | main(int argc, char *argv[]) {
  | ^~~~~
fcreate.c: In function 'main':
fcreate.c:22:11: warning: implicit declaration of function 'read'; did you mean
'fread'? [-Wimplicit-function-declaration]
22 | while((n = read(0, buf, sizeof(buf))) > 0){
    |           ^~~~~
fcreate.c:24:5: warning: implicit declaration of function 'write'; did you mean
'fwrite'? [-Wimplicit-function-declaration]
24 |     write(fd, buf, len);
    |     ^~~~~
fcreate.c:26:1: warning: implicit declaration of function 'close'; did you mean
'pclose'? [-Wimplicit-function-declaration]
26 | close(fd);
    | ^~~~~
nicky@nicky-VirtualBox:~/Documents$ ./fcreate test.txt
Tekan Ctrl+D diakhir baris :
Nicky Julyatrika Sari
L200200101^C
nicky@nicky-VirtualBox:~/Documents$
```

2. Membaca sebuah file dan menampilkan isinya di layar.

- Kode program :



```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <fcntl.h>
4 main(int argc, char*argv[])
5 {
6     int fd,i;
7     char buf[100];
8     if (argc < 2){
9         printf("Usage : ./a.out <filename>\n");
10        exit(-1);
11    }
12    fd = open(argv[1], O_RDONLY);
13    if(fd == -1){
14        printf("%s file does not exists\n", argv[1]);
15        exit(-1);
16    }
17    printf("Isi dari file %s adalah : \n", argv[1]);
18    while(read(fd, buf, sizeof(buf)) > 0)
19        printf("%s", buf);
20    close(fd);
21 }
22
```

- Proses compile dan menampilkan isi dari file test.txt

ubuntu [Berjalan] - Oracle VM VirtualBox

Berkas Mesin Tilik Masukan Peranti Bantuan

```
nick@nick-VirtualBox: ~/Documents
nick@nick-VirtualBox:~/Documents$ gcc -o fread fread.c
fread.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
4 | main(int argc, char*argv[]){
  | ^~~~~
fread.c: In function 'main':
fread.c:18:11: warning: implicit declaration of function 'read'; did you mean '
fread'? [-Wimplicit-function-declaration]
18 |     while(read(fd, buf, sizeof(buf)) > 0)
  |           ^~~~~
fread.c:21:5: warning: implicit declaration of function 'close'; did you mean '
pclose'? [-Wimplicit-function-declaration]
21 |     close(fd);
  |     ^~~~~~
nick@nick-VirtualBox:~/Documents$ ./fread test.txt
Isi dari file test.txt adalah :
Nicky Julyatrika Sari
NIM L200200101
nick@nick-VirtualBox:~/Documents$ clear
```

20.02
10/12/2021

3. Menambah isi file .

- Kode program :

ubuntu [Berjalan] - Oracle VM VirtualBox

Berkas Mesin Tilik Masukan Peranti Bantuan

```
home > nicky > Documents > C fappend.c > C fread.c > C fappend.c x
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <string.h>
4 #include <fcntl.h>
5
6 main(int argc, char *argv[]) {
7     int fd, n, len;
8     char buf[100];
9     if (argc != 2)
10    {
11        printf("Usage : ./a.out <filename>\n");
12        exit(-1);
13    }
14    fd = open(argv[1], O_APPEND|O_WRONLY|O_CREAT, 0644);
15    if (fd < 0){
16        perror(argv[1]);
17        exit(-1);
18    }
19    while((n = read(0, buf, sizeof(buf))) > 0){
20        len = strlen(buf);
21        write(fd, buf, len);
22    }
23    close(fd);
24 }
```

Ln 24, Col 2 Spaces: 4 UTF-8 LF C Linux

20.04
10/12/2021

- Proses compile file dan menambahkan isi pada file test.txt

```
Activities Terminal Des 10 20:04
nicky@nicky-VirtualBox: ~/Documents

nicky@nicky-VirtualBox:~/Documents$ gcc -o fappend fappend.c
fappend.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
6 | main(int argc, char *argv[]) {
  | ~~~~~
  |      In function 'main':
fappend.c:19:12: warning: implicit declaration of function 'read'; did you mean
'fread'? [-Wimplicit-function-declaration]
19 | while((n = read(0, buf, sizeof(buf))) > 0){
  |            ^~~~~
  |            fread
fappend.c:21:5: warning: implicit declaration of function 'write'; did you mean
'fwrite'? [-Wimplicit-function-declaration]
21 |     write(fd, buf, len);
  |     ~~~~~
  |     fwrite
fappend.c:23:1: warning: implicit declaration of function 'close'; did you mean
'pclose'? [-Wimplicit-function-declaration]
23 | close(fd);
  | ~~~~~
  |     pclose
nicky@nicky-VirtualBox:~/Documents$ ./fappend test.txt
Nicky Julyatrika Sari NIM L20020010^C
nicky@nicky-VirtualBox:~/Documents$
```