

PEMROGRAMAN SISTEM OPERASI
MODUL 12



Nama : NICKY JULYATRIKA SARI

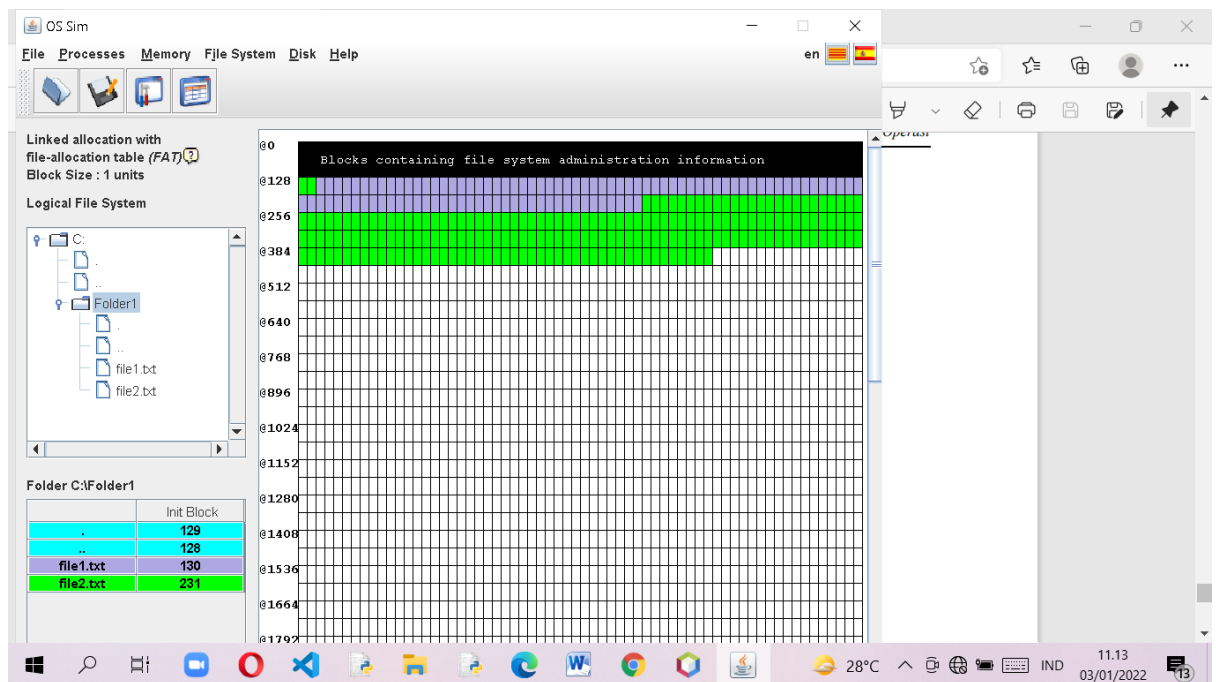
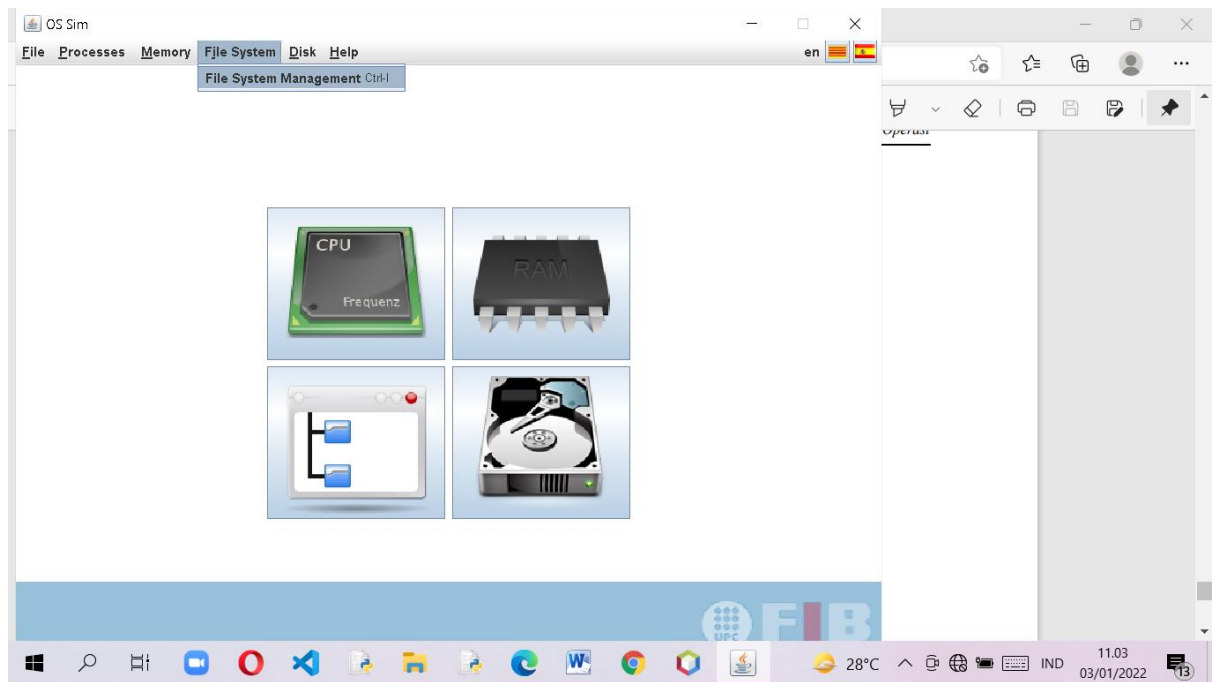
NIM : L200200101

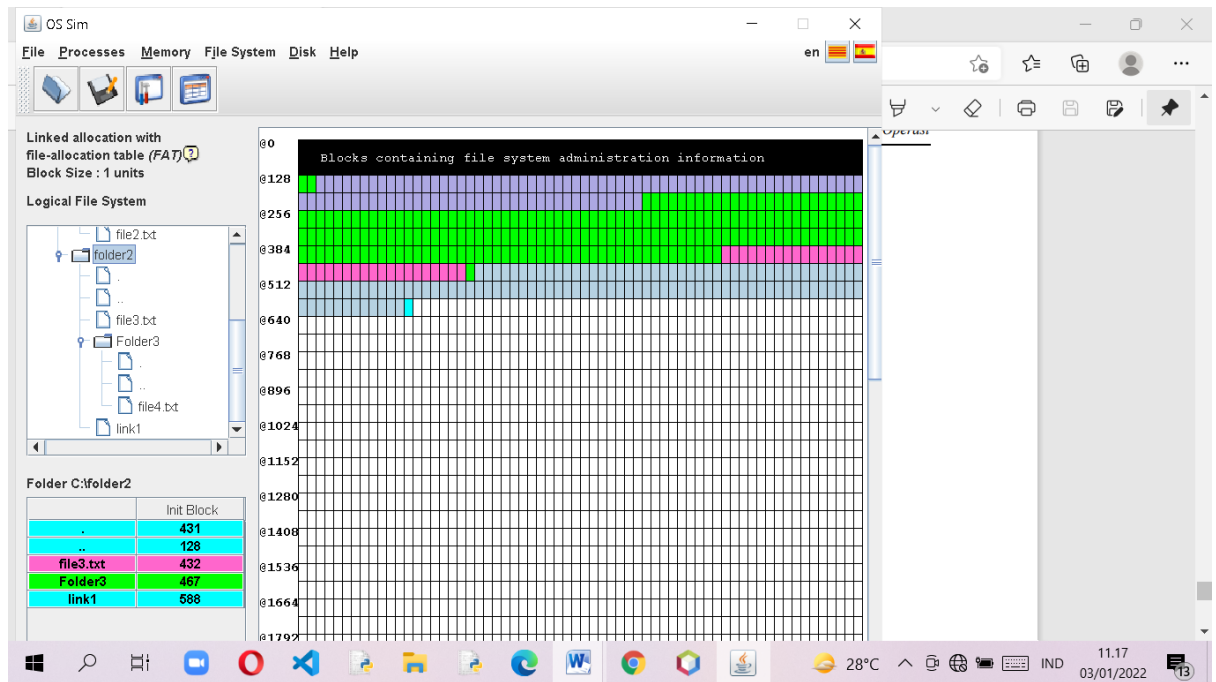
PROGRAM STUDI
INFORMATIKA

FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH SURAKARTA
TAHUN 2021/2022

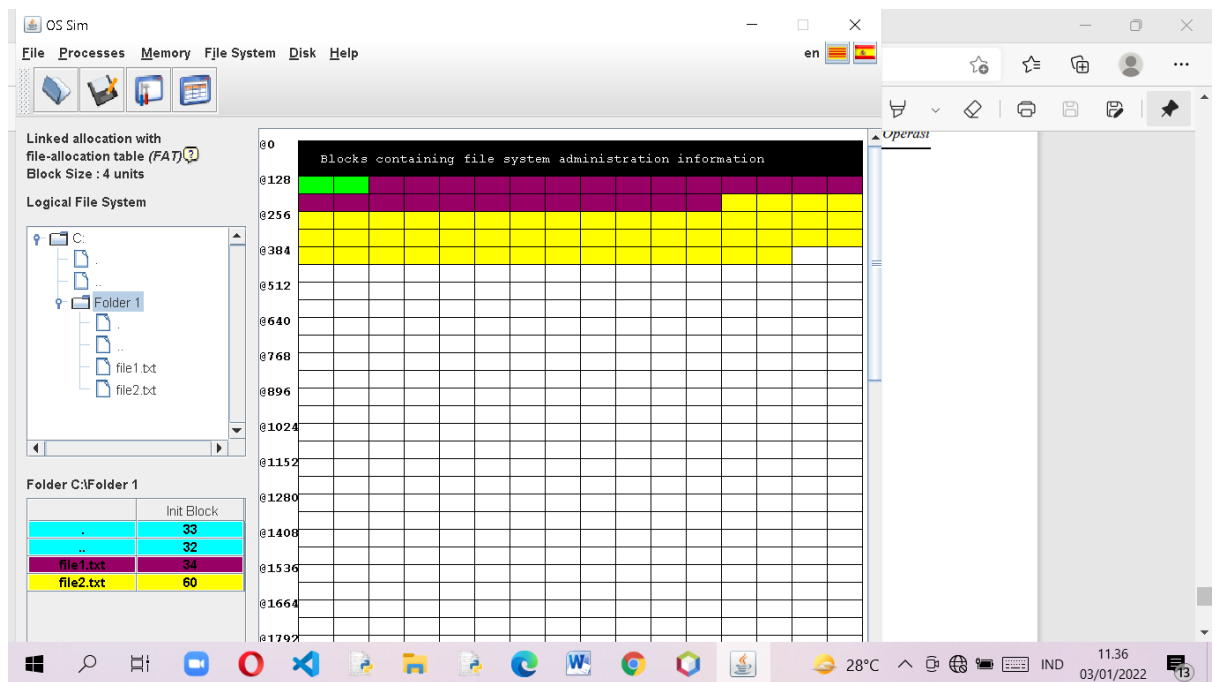
A. Manajemen sistem file

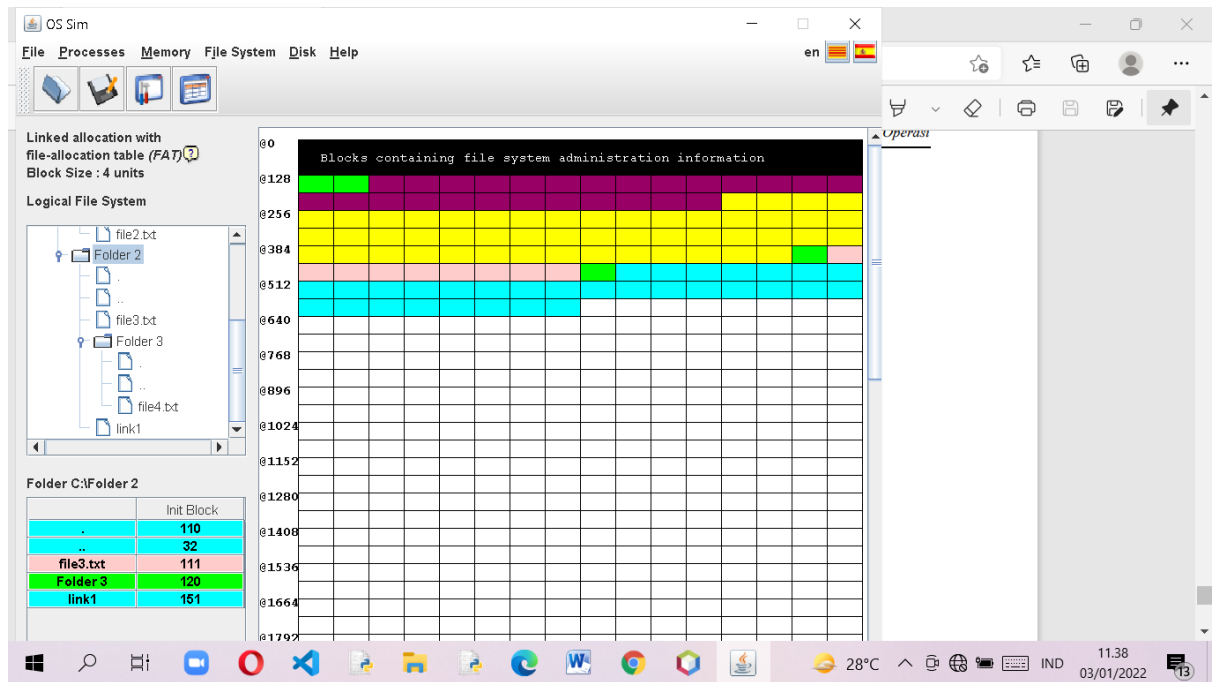
1. Kegiatan 1: Alokasi Linked dengan FAT. Sistem File Objek



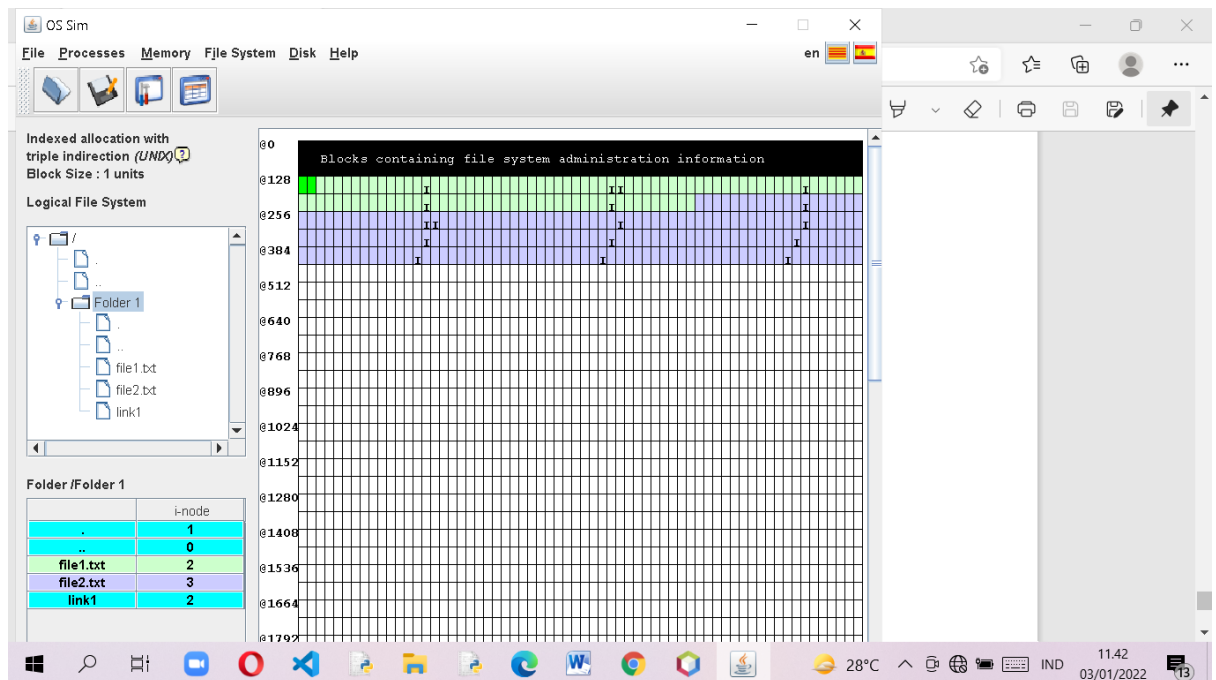


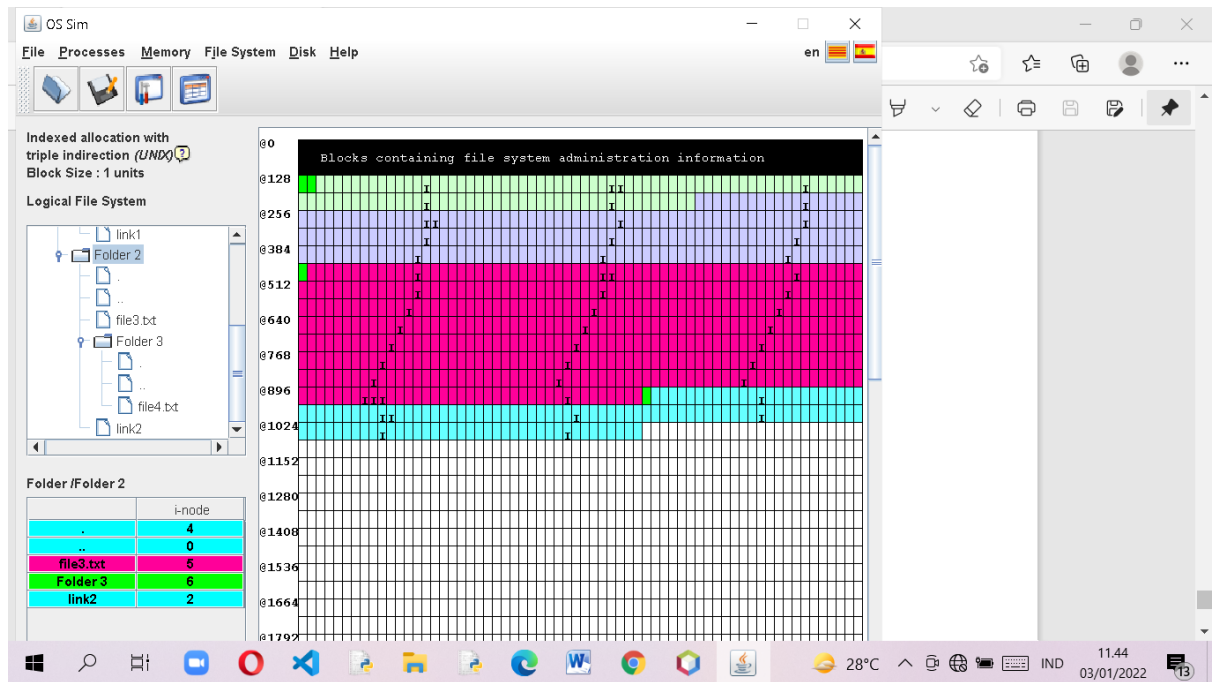
2. Kegiatan 2: Alokasi Linked dengan FAT (ukuran blok: 4 units)



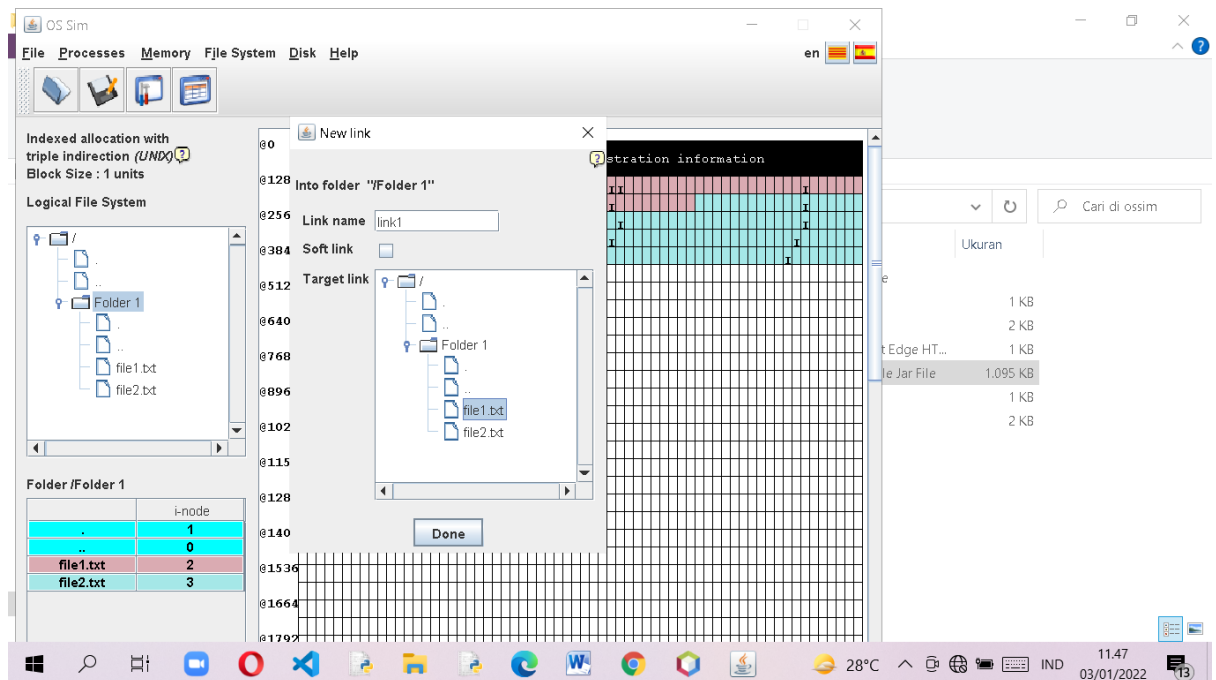


3. Kegiatan 3: Alokasi Indexed (UNIX). Referensi ke i-nodes





4. Kegiatan 4: Alokasi Indexed (UNIX). Indirections



OS Sim

File Processes Memory File System Disk Help

Indexed allocation with triple indirection (UND)

Block Size : 1 units

Logical File System

Folder /Folder 1

	i-node
..	1
..	0
file1.txt	2
file2.txt	3
link1	2

Blocks containing file system administration information

Ukuran

1 KB

2 KB

1 KB

1.095 KB

1 KB

2 KB

28°C

IND

11:47

03/01/2022

OS Sim

File Processes Memory File System Disk Help

Indexed allocation with triple indirection (UND)

Block Size : 1 units

Logical File System

Folder /Folder 2

	i-node
..	4
..	0
file3.txt	5
Folder 3	6

New link

Into folder "Folder 2"

Link name link2

Soft link

Target link

Done

Blocks containing file system administration information

Ukuran

1 KB

2 KB

1 KB

1.095 KB

1 KB

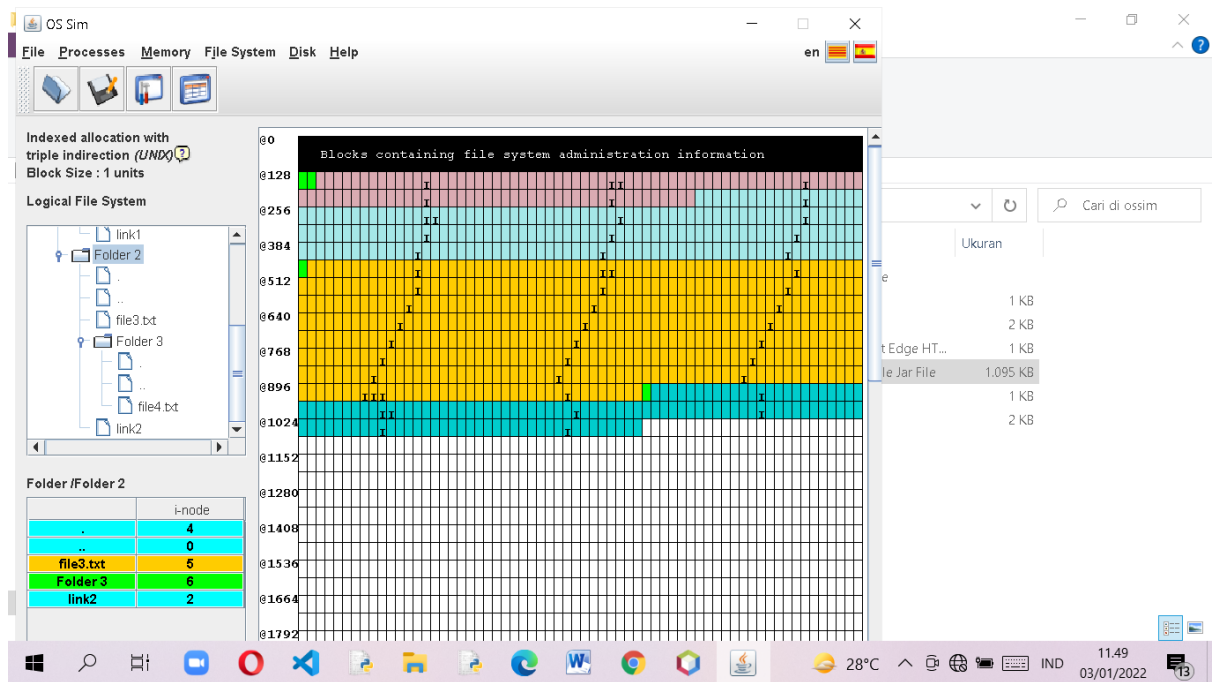
2 KB

28°C

IND

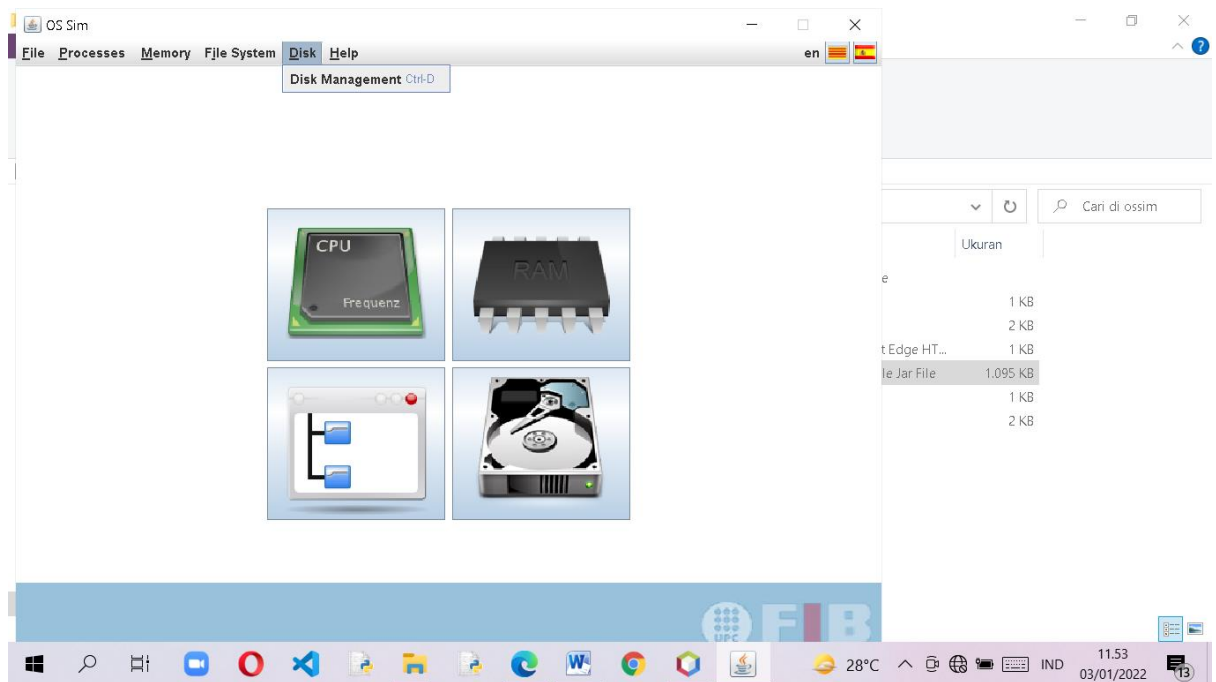
11:49

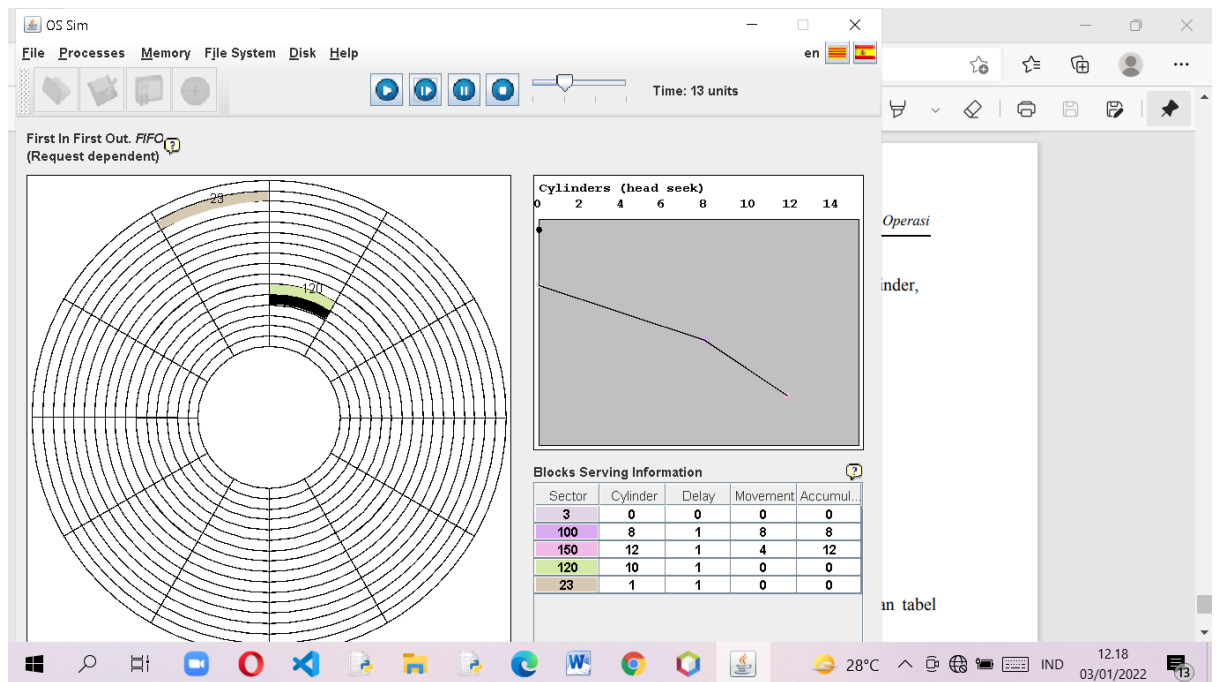
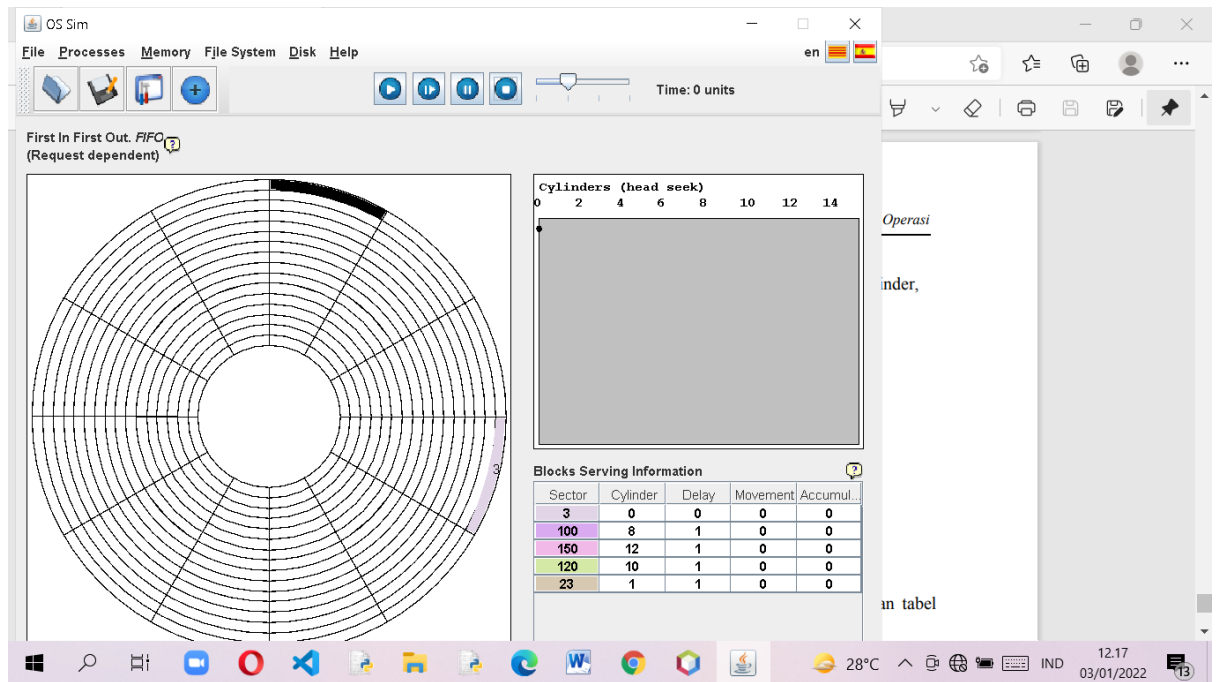
03/01/2022

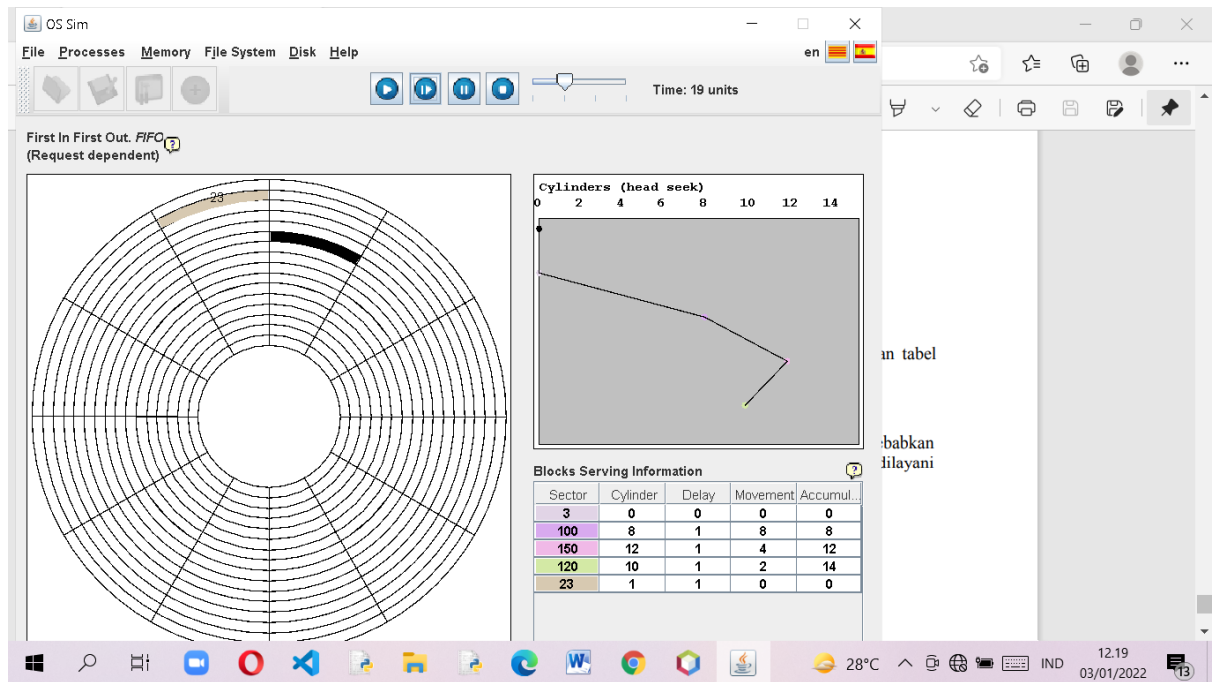


B. Penjadwalan Disk

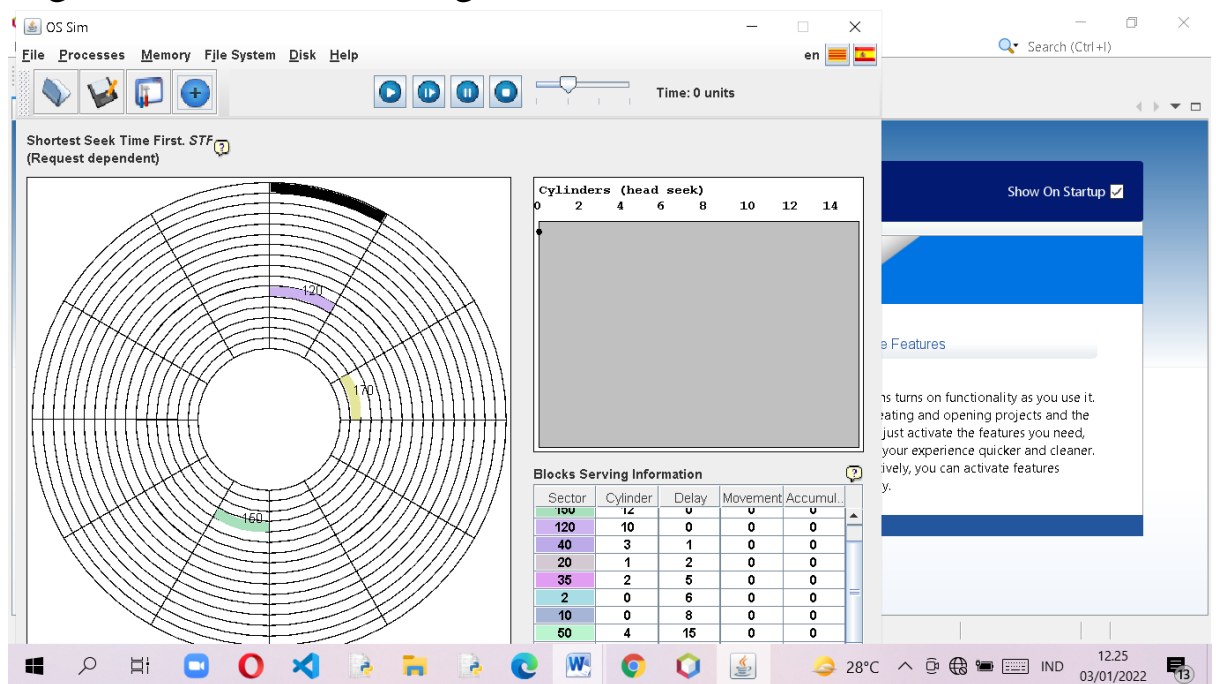
1. Kegiatan 1: Fair scheduling.

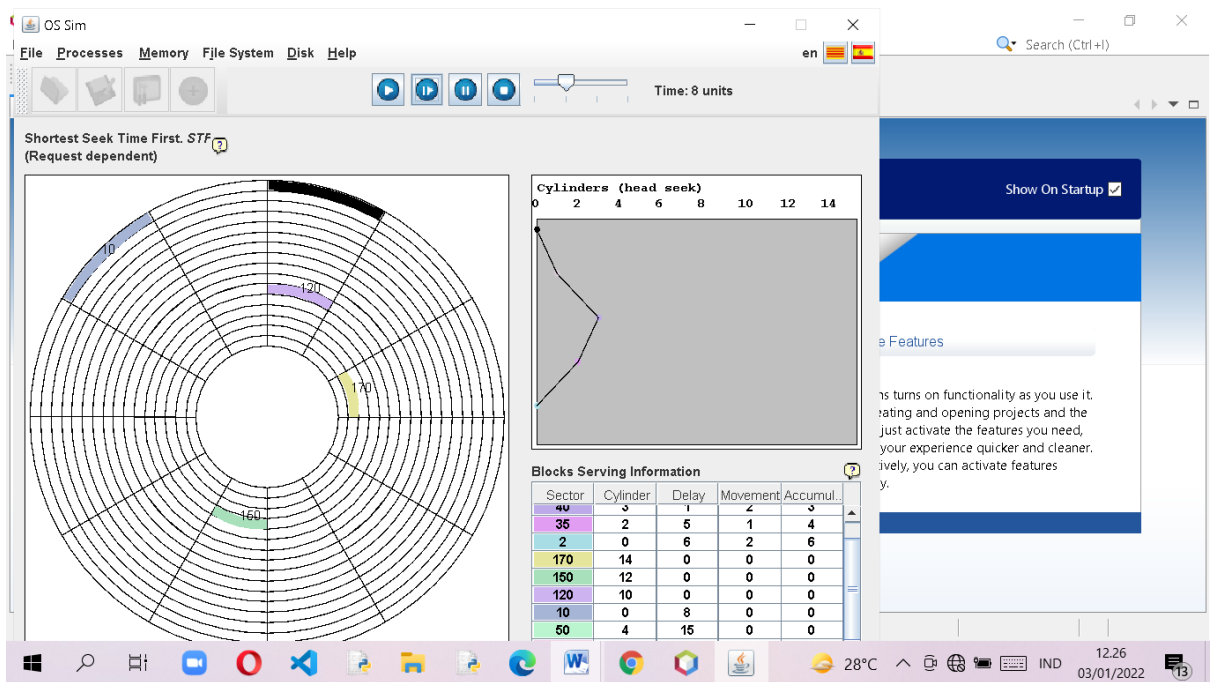
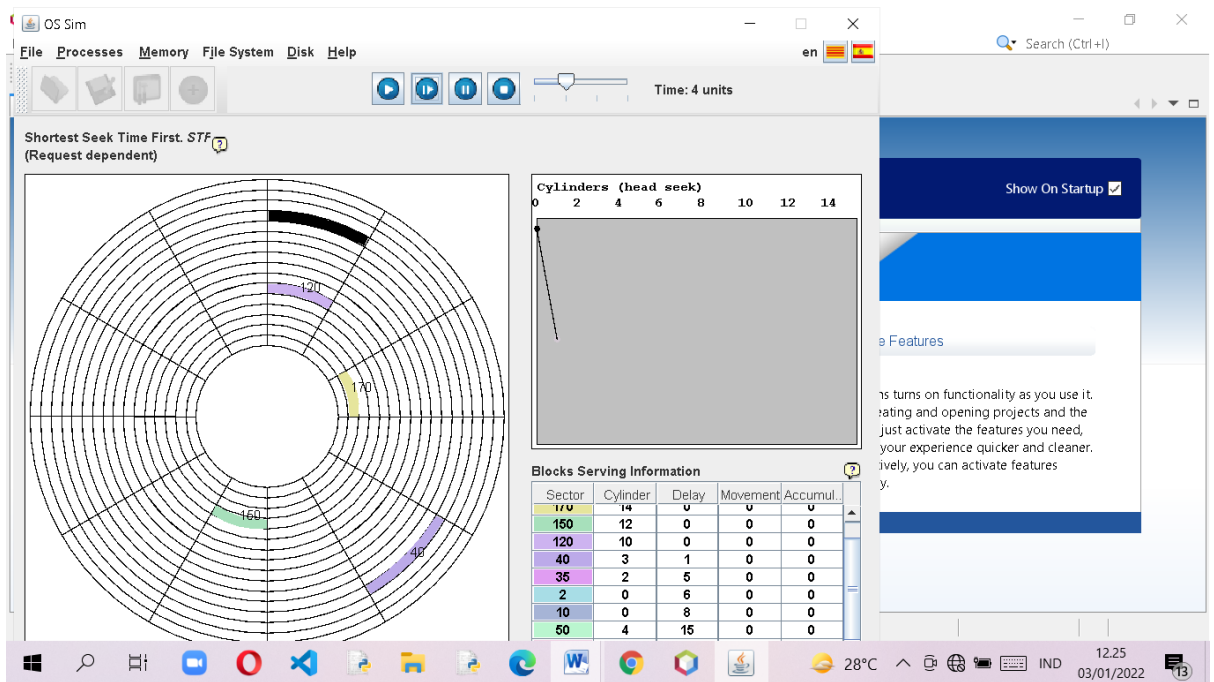


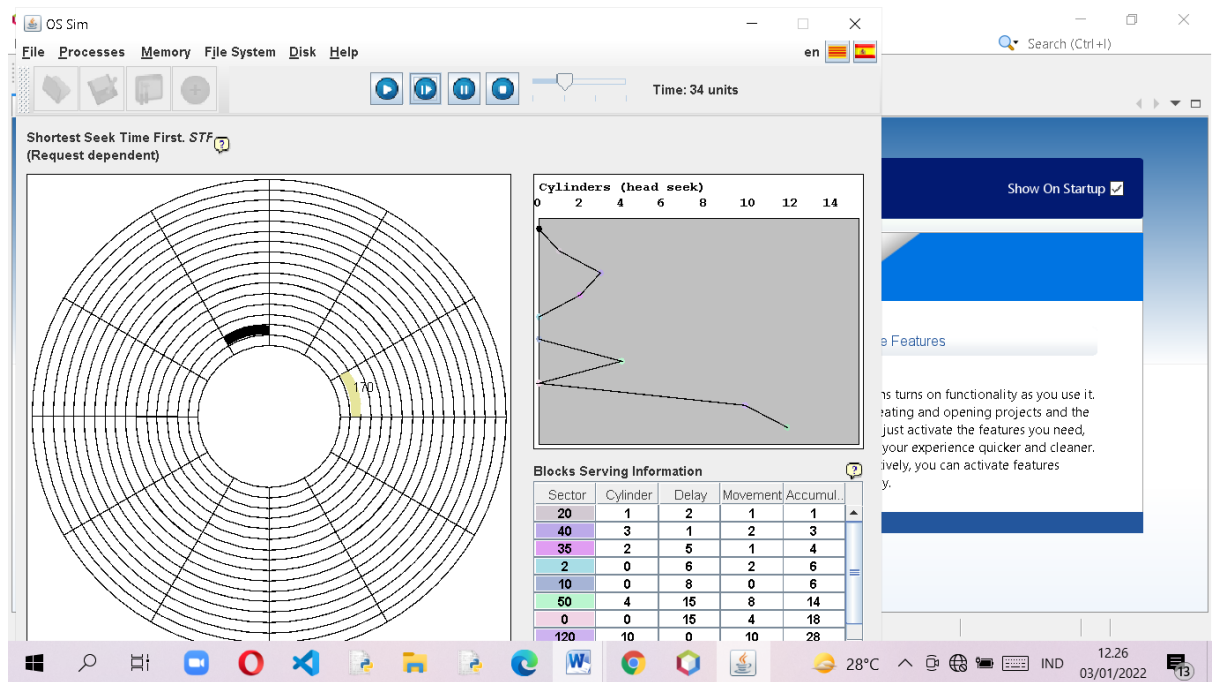




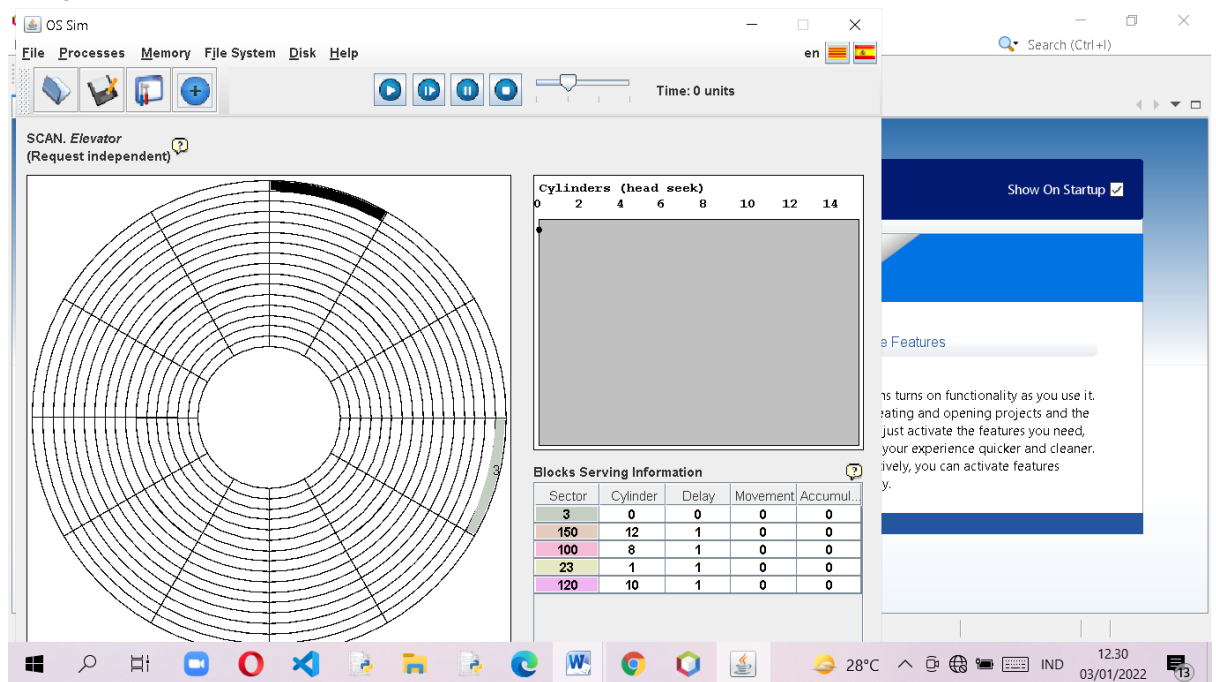
2. kegiatan 2: STF scheduling contoh Starvation

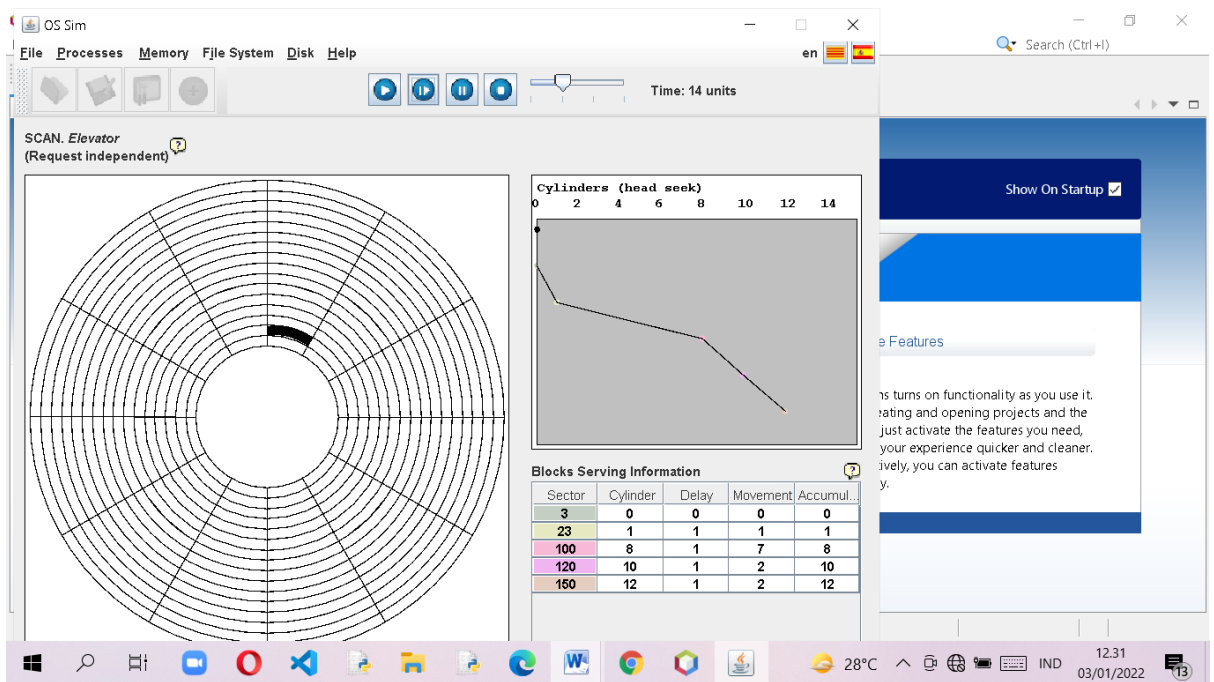
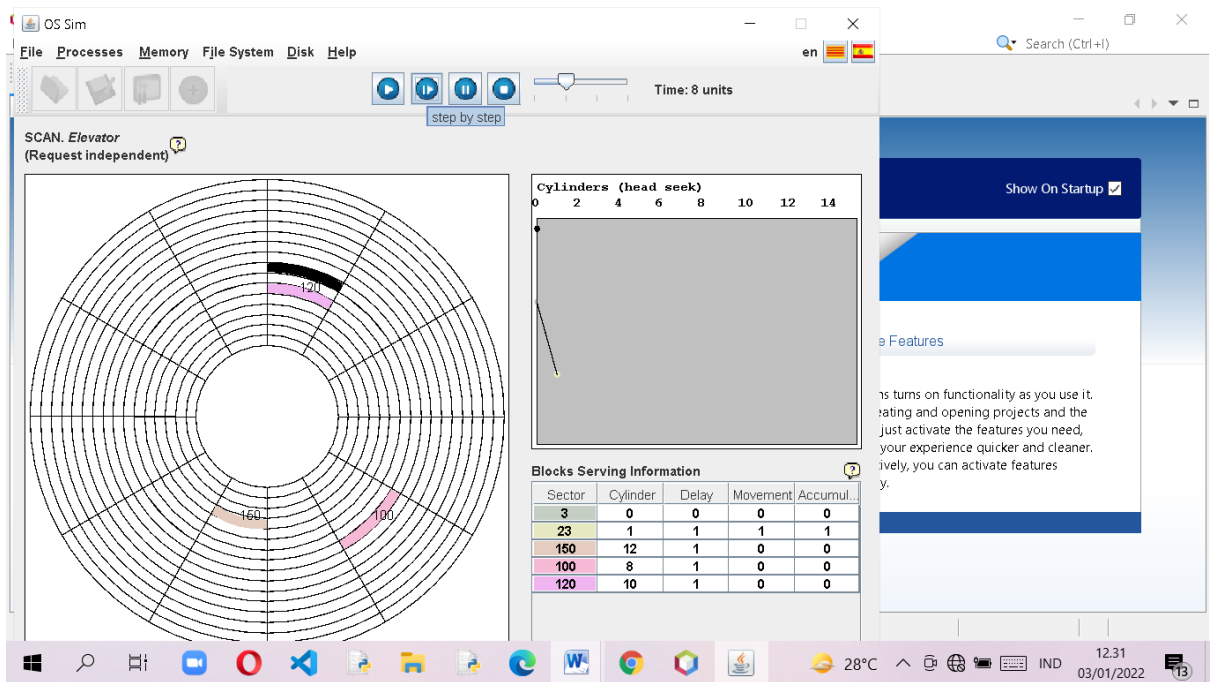




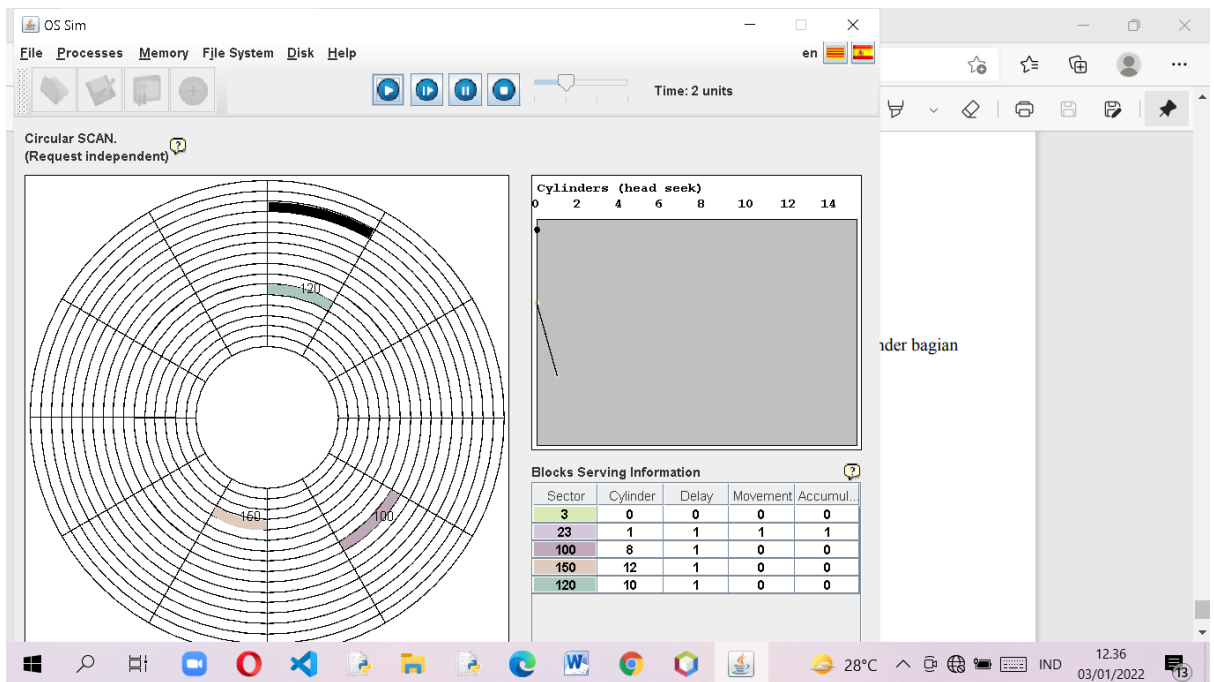
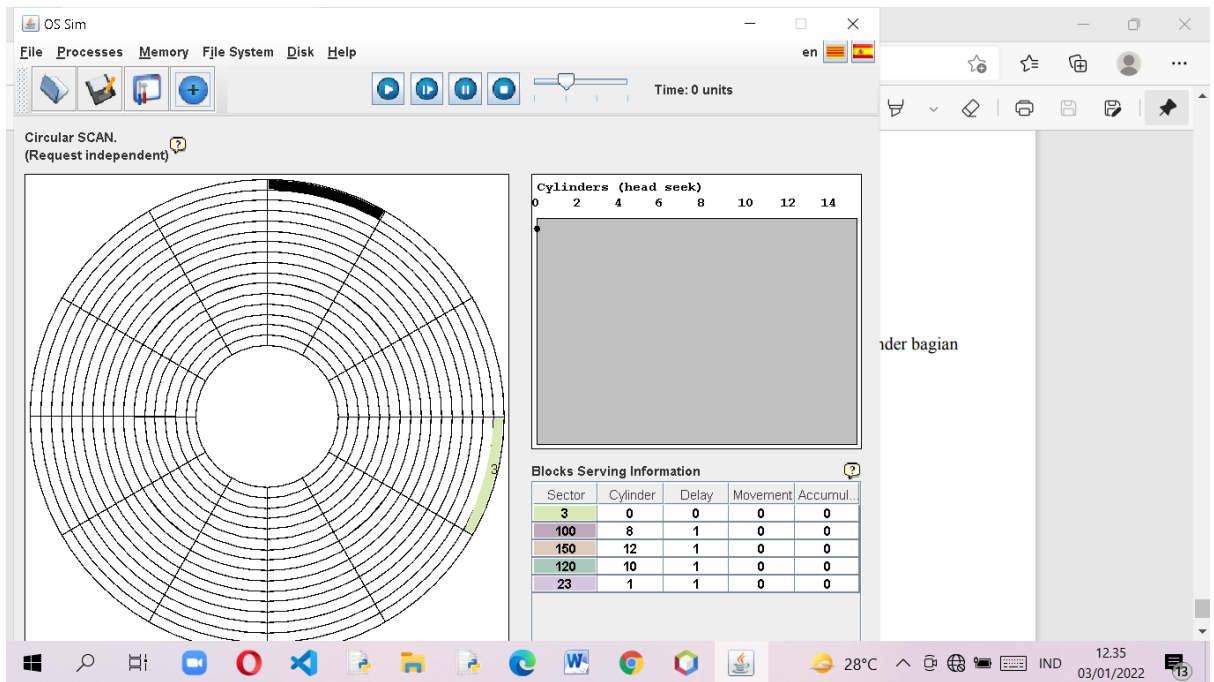


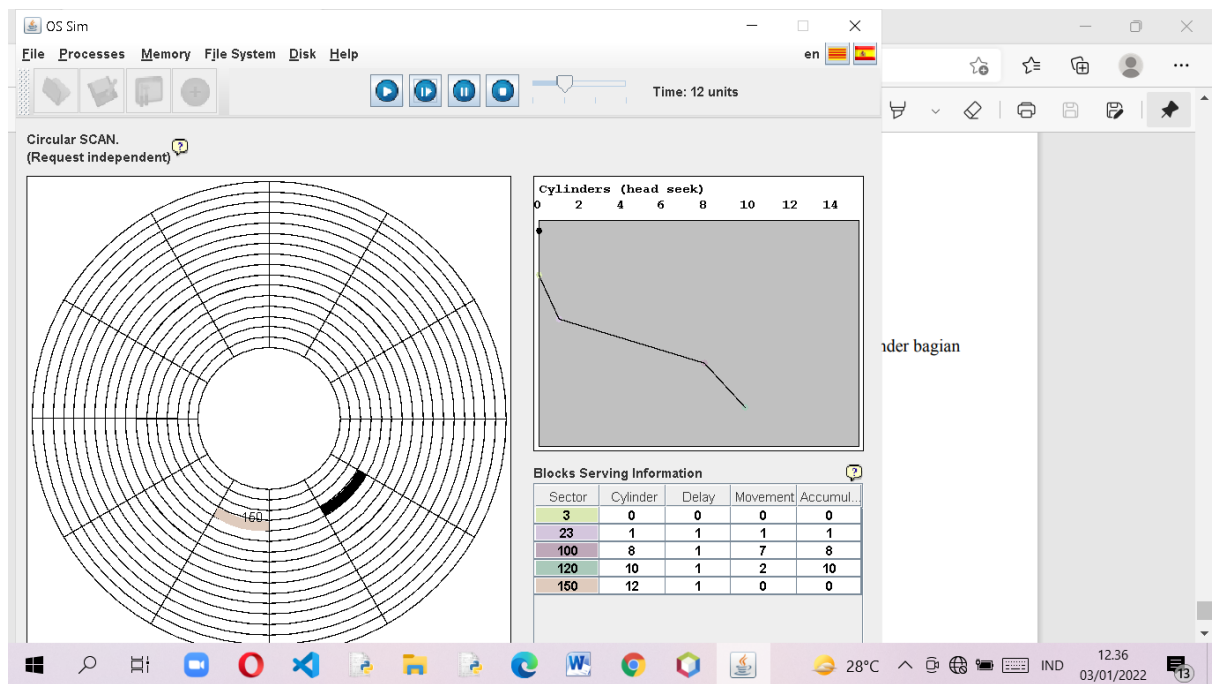
3. Kegiatan 3: Elevator (SCAN)





4. Kegiatan 4: Perbaikan elevator 1. Circular SCAN





5. Kegiatan 5: Perbaikan elevator 2. Look circular

