LAPORAN PRAKTIKUM SISTEM OPERASI MODUL 11

PENJADWALAN PROSES DAN MANAJEMEN MEMORI (OSSIM)

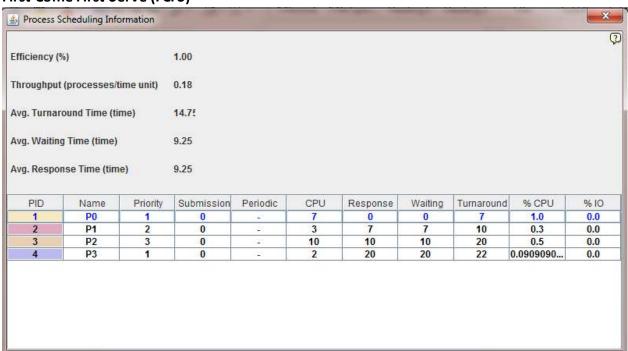
Nama: Saidah Nur S. NIM: L200180163

Kelas: D

Soal:

Proses	Arrival Time	Burst Time	Service Time	Priority
P0	0	7	0	1
P1	1	3	7	2
P2	2	10	10	3
Р3	3	2	20	1

1. First Come First Serve (FCFS)



Process	Waiting Time	
P0	0	
P1	7	
P2	10	

P3	20
Avg Waiting Time	9.25
Avg Turn Around	14.75
Avg Response	9.25

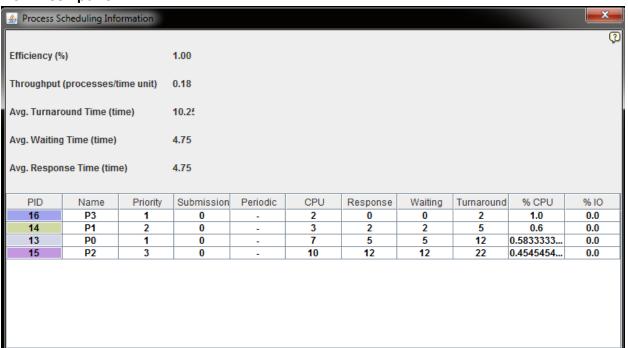
2. Shortest Job First (SJF)

a. Preemptive



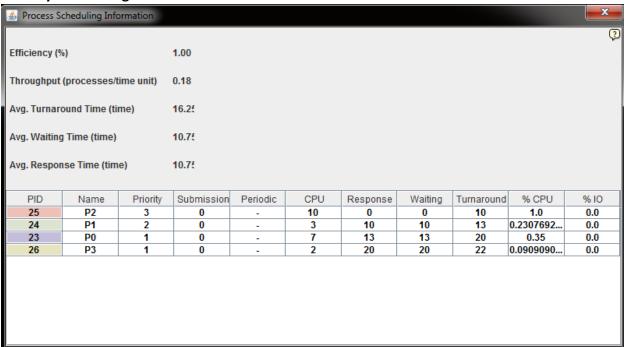
Process	Waiting Time
P3	0
P1	2
P0	5
P2	12
Avg Waiting Time	4.75
Avg Turn Around	10.25
Avg Response	4.75

b. Non Preemptive



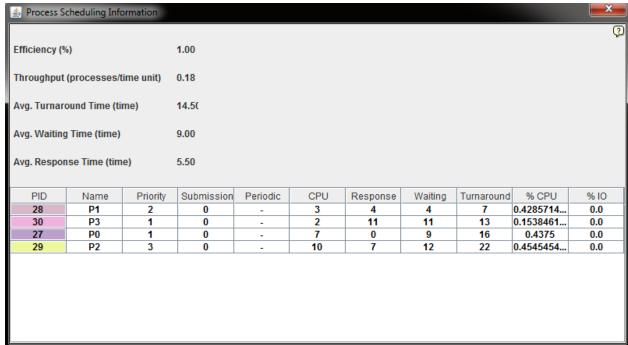
Process	Waiting Time
P3	0
P1	2
P0	5
P2	12
Avg Waiting Time	4.75
Avg Turn Around	10.25
Avg Response	4.75

3. Priority Scheduling



Process	Waiting Time	
P2	0	
P1	10	
P0	13	
P3	20	
Avg Waiting Time	10.75	
Avg Turn Around	16.25	
Avg Response	10.75	

4. Round Robin (Quantum Time = 4)



Process	Waiting Time
P1	4
P3	11
P0	9
P2	12
Avg Waiting Time	9
Avg Turn Around	14.5
Avg Response	5.50