PRAKTIKUM SISTEM OPERASI MODUL 11

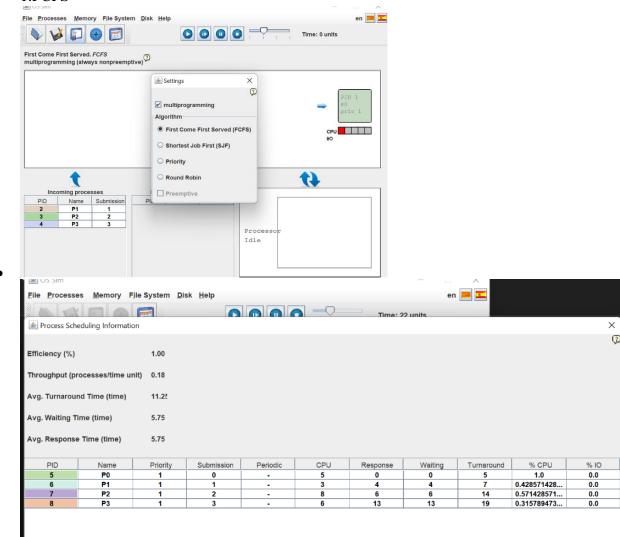


Disusun Oleh: MOHAMAD HAFIZ SAPUTRO L200210224

 \mathbf{E}

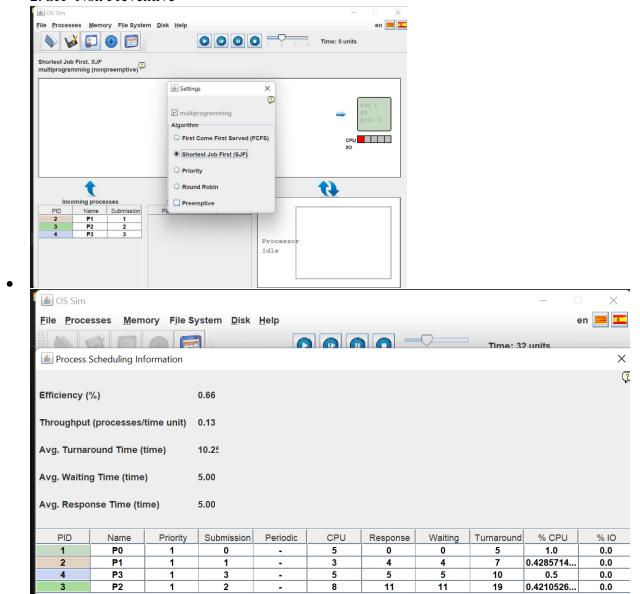
PROGRAM STUDI TEKNIK INFORMATIKA FAKULTAS KOMUNIKASI DAN INFORMATIKA UNIVERSITAS MUHAMMADIYAH SURAKARTA TAHUN 2022/2023

• 1.FCFS



| Proce | Wait |
|-------|--------|
| ss | time: |
| | Servic |
| | e |
| | Time |
| | _ |
| | Arriv |
| | al |
| | Time |
| P0 | 0 |
| P1 | 4 |
| P2 | 6 |
| P3 | 13 |
| AV | 5.75 |
| wait | |
| time | |

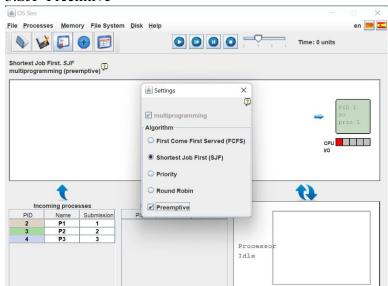
• 2. SJF-Non Preventive

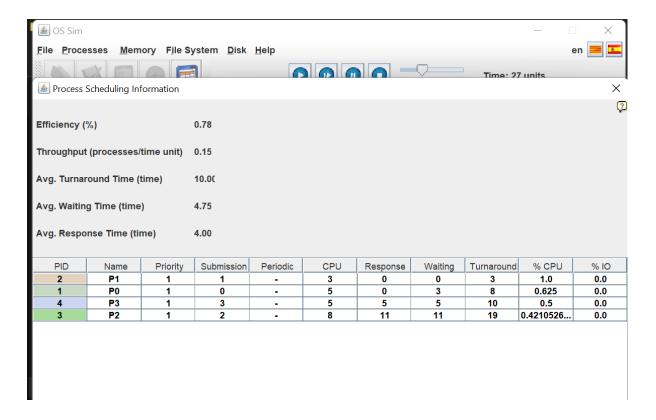


• Non-Preemtive

| Proce | Wait |
|-------|--------|
| ss | time: |
| | Servic |
| | e |
| | Time |
| | _ |
| | Arriv |
| | al |
| | Time |
| P0 | 0 |
| P1 | 4 |
| P2 | 5 |
| P3 | 11 |
| AV | 5 |
| wait | |
| time | |

• 3.SJF-Preemtive

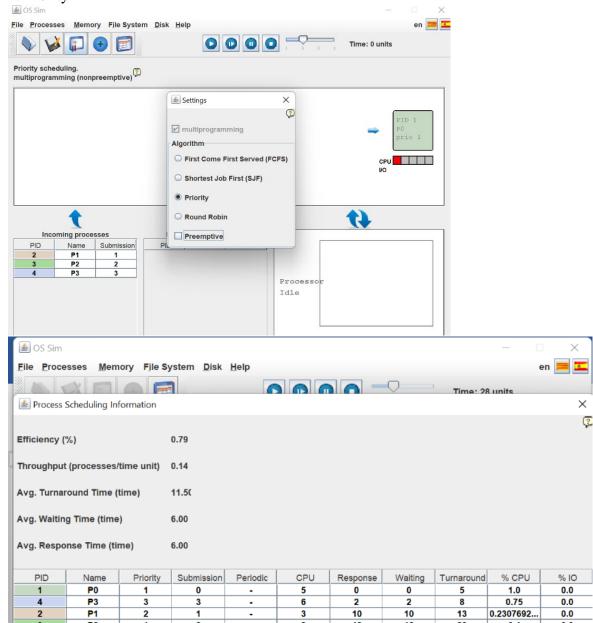




• Preemtive

| Proce | Wait |
|-------|--------|
| ss | time: |
| | Servic |
| | e |
| | Time |
| | _ |
| | Arriv |
| | al |
| | Time |
| P0 | 0 |
| P1 | 3 |
| P2 | 5 |
| P3 | 11 |
| AV | 4.75 |
| wait | |
| time | |

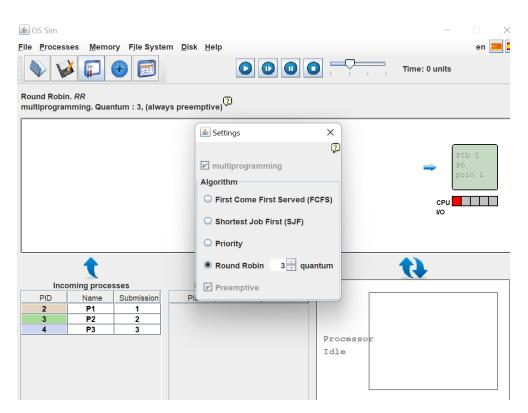
• 4.Priority



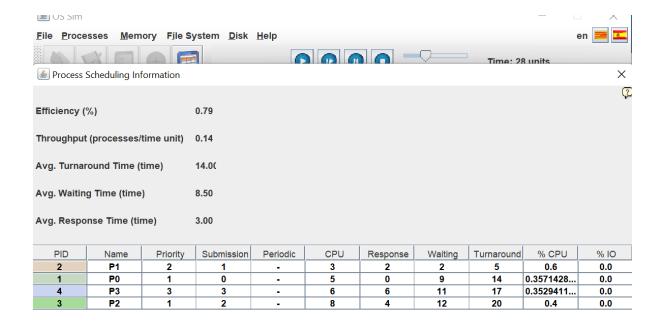
• Priority

| Proce | Wait |
|-------|--------|
| ss | time: |
| | Servic |
| | e |
| | Time |
| | _ |
| | Arriv |
| | al |
| | Time |
| P0 | 0 |
| P1 | 2 |
| P2 | 10 |
| Р3 | 12 |
| AV | 6 |
| wait | |
| time | |

• 5. Round Robin



•



Round Robin

| Proce | Wait |
|-------|--------|
| ss | time: |
| | Servic |
| | e |
| | Time |
| | _ |
| | Arriv |
| | al |
| | Time |
| P0 | 2 |
| P1 | 9 |
| P2 | 11 |
| P3 | 12 |
| AV | 8.50 |
| wait | |
| time | |

• Kesimpulan: Pada praktikum penjadwalan bertujuan untuk memberi pengetahuan mengenai penjadwalan CPU denagan mengamati CPU saat ini menjalankan program yang diberikan, ada yang Bernama brust xycle atau disebut juga proses – proses yang menunjang kesuksesan penjadwalan. Proses penjadwalan memiliki algoritma penjadwalan. Beberapa penjadwalan meliputi FCFS(Penjadwalan yang paling sederhana yang digunakan CPU),SJF(Penjadwalan terpendek),Priorty(metode penjadwalan yang mendahulukan task prioritas tertinggi), dan Round Robin(metode penjadwalan yang membagi semua proses dengan porsi wakt yang sama).