[Scheduling Algorithm]

Proses	Burst time	Waktu Kedatangan
Ą	12	0
В	4	3
C	9	S
D	2	7

1) FCFS

· Turnaround time (TAT) = Walet Selesai - waktu kedatangan.

$$A = 12 - 0 = 12$$

Pata-rata (TAT) = 16,25 ms d Pata-rata (WT) = 9,5 ms

· Waiting Time = TAT - burst time

(2) Round Robin (9=4)

· first round

A(ums, sisa 8ms), b(4ms, selesai), c(ums, sisa sms), d(2ms, selesui)

· Second round

A (ums, sosa 4ms), c (4ms, sisa 1 ms)

· Third round

A (4 ms , selesai), c (1 ms , Selesai)

A = 26-0 = 26 Ms

B = 1-3 = 3 ms

C = 27-5 = 22 ms

D= 4-7: 7 ms

· Waiting Pome:

A = 26 - 12 = 14 ms

3 = 5-4 = 1 ms

C = 22-9 = 13 ms

Falar TAT = 11, 5 msy

Patazz WT = 4,75 ms.

D = 7-2 = 5 ms

3) SPN

Proses:

A (0-12), d(12-14), b(14-18), c (18-24)

· Turnamound Time:

a Waiting Time:

A = 12-0 = 12

A = 12-12 =0

B = 18-3 = 15

B = 15-4 = 11

C= 27-5 = 22

C = 22-9 = 14

D = [u-7 = 7

D= 7-2=5

Rata TAT : 14 ms

Rata2x WT = 7,25 ms

4) SRT

A(0-3), B(3-7), D(7-9), A(9-18), C(18-29)

· Turnaround time: " Waiting Time:

$$A = 18 - 0 = 18$$
 $A = 18 - 12 = 6$

Kesmpulan:

Algorithm TAT WT

TCTS 16,20 9,5

PR(9=4) 15 8,25

SPN 14 7,20

SRT 11,5 4,25

Best Aigorithm: SPT(Shortest Demaining Time)