

# LAMPIRAN

## LANGKAH PENYELESAIAN MASALAH

### DENGAN PROGRAM Q.S 3.0

- Langkah 1 : Inputkan spesifikasi masalah

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Problem Specification

Enter the following fields to define your problem.  
 The default due dates are the sum of all process times.  
 The default job weights and indexes are 1.0.  
 A job can have 0, 1, or more than one operation on one machine.

Problem Name? [WAGNER]  
 Number of jobs? [5]  
 Number of machines? [3]  
 Maximum number of operations per job? [1]

Due dates: ( ) Default (☑) You specify  
 Job weights: (☑) Default ( ) You specify  
 Priority indexes: (☑) Default ( ) You specify

< OK > < Print > < Cancel >

- Langkah 2 : Inputkan job akan diproses pada satu mesin

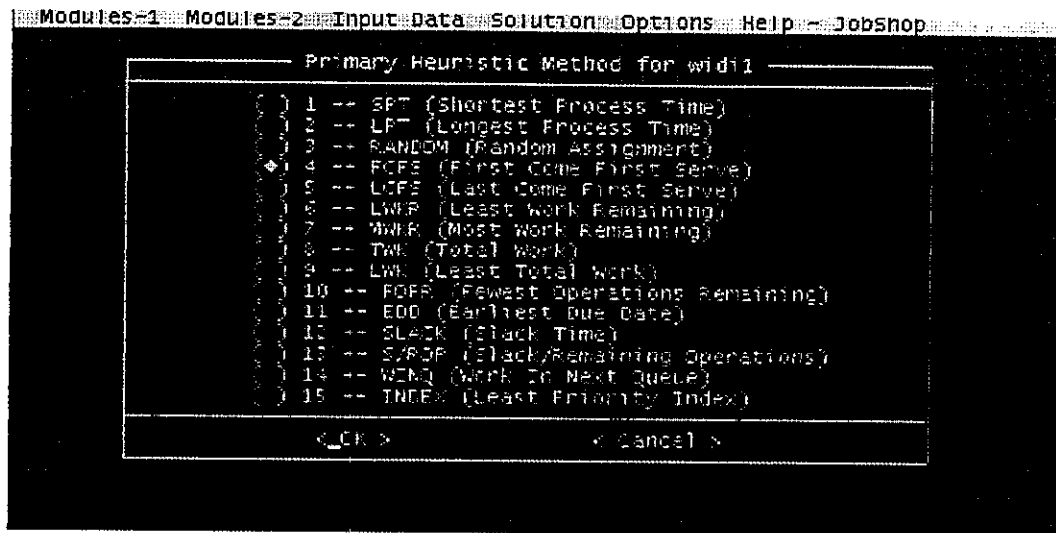
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Job Routings for width1

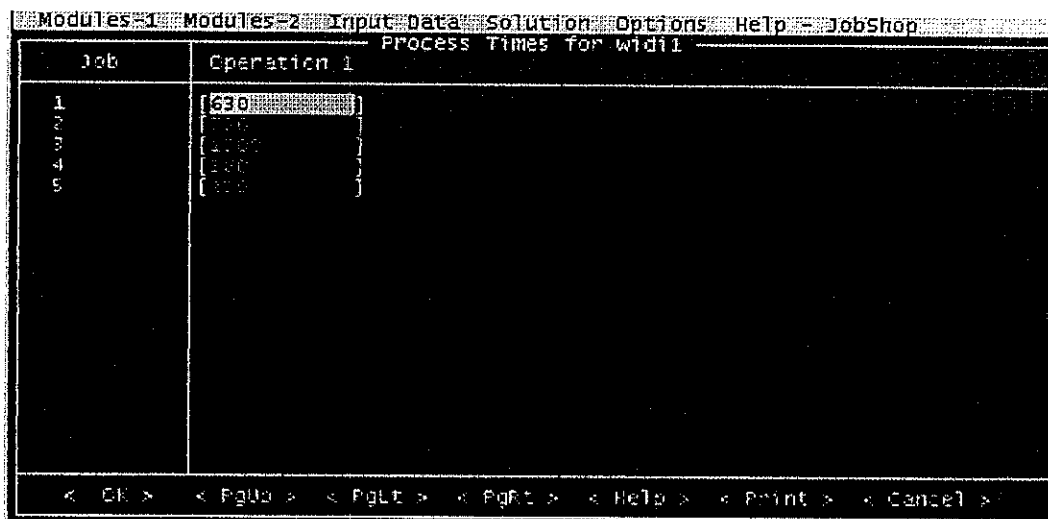
Job	Operation 1
1	1
2	1
3	1
4	1
5	1

< OK > < PgUp > < PgDn > < PgRt > < Help > < Print > < Cancel >

- Langkah 3 : Pilih metode pemecahan masalah



- Langkah 4 : Inputkan waktu proses job



- Langkah 5 : Inputkan waktu due date job, dimana weight dan priority index job adalah default (didefinisikan oleh program)

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Due Dates/Weights/Priority Indexes for wici1

Job	Due Date	Weight	Priority Index
1	3600		
2	2800		
3	2200		
4	1800		
5	1200		

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- Langkah 6 : Hasil output penjadwalan

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04-29-2003 08:34:51 Machine Schedule for wici1 Page: 1 of 1

Machine	Operation	Job	Process Time	Start Time	Finish Time
1	1	1	630	0	630
1	1	2	720	630	1350
1	1	3	1300	1350	2650
1	1	4	360	2650	3010
1	1	5	410	3010	3420

Cmax = 3420 MC = 2212 Wmax = 3010 MW = 1528 ML = -524  
 ME = 546 MT = 422 NT = 2 WIP = 3.233918 MU = .2  
 Method: Primary Rule = FCFS Tie-breaker = FCFS CPU seconds = C

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