

DAFTAR ISI

COVER	i
LEMBAR PENGESAHAN	ii
PERNYATAAN KEASLIAN SKRIPSI	iii
KATA PENGANTAR	iv
LEMBAR PERSEMBAHAN	vi
ABSTRAK	viii
ABSTRACT	ix
DAFTAR ISI	x
DAFTAR GAMBAR	xiv
DAFTAR TABEL	xv
BAB 1 PENDAHULUAN	1
1.1. Latar Belakang.....	1
1.2. Identifikasi Masalah	5
1.3. Rumusan Masalah.....	6
1.4. Tujuan Penelitian.....	6
1.5. Manfaat Penelitian.....	6
1.6. Batasan Maslah.....	7
BAB 2 KAJIAN PUSTAKA	8
2.1 Peramalan (<i>Forecasting</i>)	8
2.1.1 Pengertian Peramalan	8
2.1.2 Metode Peramalan	8
2.2 <i>Simple Exponential Smoothing</i> (SES)	9
2.3 <i>Double Exponential Smoothing</i>	10
2.4 Metode Dekomposisi.....	11
2.5 Metode ARIMA.....	12
2.5.1 Identifikasi Model.....	14
2.5.2 Pendugaan Parameter.....	14
2.5.3 Cek Diagnosis	15

2.5.4	Peramalan (<i>Forecasting</i>).....	16
2.6	Validasi dan Vertifikasi Peramalan	16
2.6.1	Vertifikasi	16
2.6.2	Validasi	16
2.7	<i>Master Production Schedule (MPS)</i>	18
2.8	<i>Rough Cut Capacity Planning (RCCP)</i>	18
2.8.1.	<i>Capacity Planning Using Overall Factory (CPOF)</i>	19
2.8.2.	<i>Bill of Labor (BOLA)</i>	19
2.8.3.	<i>Resource Profile Approach (RPA)</i>	19
2.9	Perhitungan <i>Safety Stock</i>	19
2.10	<i>Master Requirement Planning (MRP)</i>	21
2.10.1.	<i>Economic Order Quantity (EOQ)</i>	22
2.10.2.	<i>Period Order Quantity (POQ)</i>	22
2.10.3.	<i>Lot for Lot (LFL)</i>	22
2.11	<i>Capacity Requirement Planning (CRP)</i>	23
2.11.1.	<i>Schedule of Planned Factory Order Releases</i>	23
2.11.2.	<i>Work Order Status</i>	23
2.11.3.	<i>Routing Data</i>	24
2.11.4.	<i>Work Center Data</i>	24
BAB 3	METODOLOGI PENELITIAN	25
3.1	Jenis Penelitian	25
3.2	<i>Time Schedule</i>	25
3.3	Diagram Alir Penelitian.....	27
BAB 4	PENGUMPULAN DATA	31
4.1	Sejarah Usaha	31
4.2	Profile Usaha	31
4.3	Data Produk	32
4.4	Data Produksi dan Permintaan	33
4.5	Waktu Proses Produksi	33
4.6	Biaya Pesan dan Simpan.....	34

4.7	<i>Bill of Material</i>	35
4.8	<i>Operating Process Chart (OPC)</i>	36
BAB 5 PENGELOLAHAN DATA DAN ANALISA		38
5.1	Plot Data Permintaan dan Penjualan	38
5.2	<i>Autoregressive Integrated Moving Average (ARIMA)</i>	38
5.2.1.	Identifikasi Data Deret Waktu	39
5.2.2.	Identifikasi Model Deret Waktu	43
5.2.3.	Estimasi Parameter Model	46
5.2.4.	Diagnosis dan Pemeriksaan Model.....	48
5.2.5.	Peramalan Permintaan Produk.....	50
5.2.6.	Perhitungan Penyimpanan Peramalan	51
5.3	<i>Master Production Schedule (MPS)</i>	56
5.4	Perhitungan Perencanaan Kapasitas Kasar (RCCP).....	57
5.4.1.	<i>Capacity Planning Using Overall Factor (CPOF)</i>	57
5.4.2.	<i>Bill of Labor (BOLA)</i>	61
5.4.3.	<i>Resource Profile (RPA)</i>	64
5.5	<i>Safety Stock</i>	68
5.6	Perhitungan Material Requirement Planning (MRP)	70
5.6.1.	<i>Economic Order Quantity (EOQ)</i>	70
5.6.2.	<i>Periodic Order Quantity (POQ)</i>	72
5.6.3.	<i>Lot For Lot (LFL)</i>	74
5.6.4.	Perbandingan Biaya	75
5.7	Perencanaan Kebutuhan Kapasitas (CRP).....	76
5.8	Implementasi	83
5.8.1.	RCCP	83
5.8.2.	MRP	84
5.8.3.	CRP	85
5.9	Pembahasan	87
BAB 6 KESIMPULAN DAN SARAN		89
6.1	Kesimpulan.....	89

6.2 Saran	89
DAFTAR PUSTAKA	xvii
LAMPIRAN	