

DAFTAR ISI

	Hal.
HALAMAN JUDUL.....	i
LEMBAR PENGESAHAN	ii
KATA PENGANTAR	iii
DAFTAR ISI.....	v
DAFTAR TABEL.....	vii
DAFTAR GAMBAR	ix
DAFTAR LAMPIRAN	x
ABSTRAK.....	xi
ABSTRACT.....	xii
BAB I PENDAHULUAN	
1.1 Latar Belakang	I-1
1.2 Rumusan Masalah	I-2
1.3 Batasan Masalah dan Asumsi.....	I-2
1.4 Tujuan Penelitian	I-3
1.5 Manfaat Penelitian	I-3
1.6 Sistematika Penelitian	I-4
BAB II LANDASAN TEORI	
2.1 Perawatan (<i>Maintenance</i>).....	II-1
2.1.1 Permasalahan dalam perawatan	II-2
2.1.2 Pemahaman istilah perawatan.....	II-2
2.1.3 Klasifikasi perawatan.....	II-3
2.1.4 Lingkup kegiatan perawatan	II-5
2.2 <i>Reliability Centered Maintenance</i> (RCM).....	II-6
2.2.1 Manfaat <i>Reliability Centered Maintenance</i> (RCM)	II-6
2.2.2 Langkah-langkah implementasi <i>Reliability Centered</i> <i>Maintenance</i> (RCM)	II-6
2.3 <i>Time to Failure</i> (TTF) dan <i>Time to Repair</i> (TTR).....	II-15
2.4 Analisis ABC	II-15
2.5 <i>Least Squares Curve Fitting</i>	II-16
2.6 <i>Goodness Of Fit Test</i>	II-17
2.8.1 <i>Mann's test</i>	II-17
2.8.2 <i>Bartlett's test</i>	II-18
2.8.3 <i>Kolmogorov smirnov test</i>	II-18
2.7 Penentuan Parameter	II-19
2.6.1 Distribusi weibull.....	II-19
2.6.2 Distribusi eksponensial	II-19
2.6.3 Distribusi lognormal	II-20
2.6.4 Distribusi normal	II-20
2.8 <i>Mean Time to Failure</i> (MTTF) dan <i>Mean Time to Repair</i> (MTTR).....	II-20

2.9	Penentuan Interval Waktu Perawatan	II-21
2.9.1	<i>Scheduled on condition</i>	II-21
2.9.2	<i>Scheduled discard task dan scheduled restoration task</i>	II-22
2.10	<i>Reliability</i>	II-22
2.10.1	<i>Reliability sebelum preventive maintenance</i>	II-23
2.10.2	<i>Reliability setelah preventive maintenance</i>	II-23
2.11	Pengendalian Suku Cadang	II-24
2.12	<i>Reliability Centered Spares (RCS)</i>	II-25
2.13	<i>Poisson Process</i>	II-26
2.13.1	<i>Repairable spare</i>	II-26
2.13.2	<i>Non repairable spare</i>	II-27
2.14	<i>Reorder Point (ROP)</i>	II-27
2.15	<i>Service level dan stock level</i>	II-28
2.16	Penelitian Terdahulu	II-29

BAB III METODOLOGI PENELITIAN

3.1	Objek Penelitian	III-1
3.2	Pengumpulan Data	III-1
3.2.1	Data primer	III-1
3.2.2	Data sekunder	III-1
3.3	Kerangka Penelitian	III-2
3.4	Pengolahan Data	III-4
3.4.1	<i>Reliability Centered Maintenance (RCM)</i>	III-4
3.4.2	<i>Reliability Centered Spares (RCS)</i>	III-6
3.5	Analisis Hasil	III-7
3.6	Kesimpulan dan Saran	III-8

BAB IV HASIL DAN PEMBAHASAN

4.1	Pengumpulan Data	IV-1
4.1.1	Data kersuakan mesin	IV-1
4.1.2	Data harga komponen	IV-9
4.2	Pengolahan Data	IV-9
4.2.1	<i>Reliability Centered Maintenance (RCM)</i>	IV-9
4.2.2	<i>Reliability Centered Spares (RCS)</i>	IV-48
4.3	Analisis Hasil	IV-54
4.3.1	<i>Reliability Centered Maintenance (RCM)</i>	IV-54
4.3.2	<i>Reliability Centered Spares (RCS)</i>	IV-58

BAB V KESIMPULAN DAN SARAN

5.1	Kesimpulan	IV-1
5.2	Saran	IV-2

DAFTAR PUSTAKA

LAMPIRAN