

DAFTAR ISI

ABSTRAK	i
<i>ABSTRACT</i>	ii
KATA PENGANTAR	iii
DAFTAR ISI.....	v
DAFTAR GAMBAR	viii
DAFTAR TABEL.....	ix
DAFTAR SINGKATAN	xi
DAFTAR LAMBANG	xii
DAFTAR ISTILAH	xiii
DAFTAR LAMPIRAN.....	xiv
BAB I PENDAHULUAN	1
I.1 Latar Belakang	1
I.2 Rumusan Masalah	6
I.3 Tujuan Penelitian.....	6
I.4 Batasan Masalah.....	7
I.5 Manfaat Penelitian.....	7
I.6 Sistematika Penulisan.....	8
BAB II TINJAUAN PUSTAKA.....	10
II.1 Pengertian <i>Maintenance</i>	10
II.2 Kurva Laju Kerusakan.....	12
II.3 <i>Life Data Analysis</i>	13
II.4 Uji <i>Anderson – Darling</i>	14
II.5 <i>System Breakdown Structure</i>	14
II.6 <i>Risk Priority Number</i>	14

II.7	<i>Reliability, Availability, Maintainability (RAM) Analysis</i>	18
II.8	<i>Reliability</i> (Keandalan).....	19
II.9	<i>Reliability of Systems</i>	21
II.10	<i>Maintainability</i>	25
II.11	<i>Availability</i>	26
II.12	<i>The Six Big Losses</i>	30
II.13	<i>Overall Equipment Effectiveness (OEE)</i>	32
II.14	Pemilihan Metode.....	35
II.15	Perbandingan dengan Penelitian Sebelumnya.....	36
	BAB III METODOLOGI PENELITIAN.....	38
III.1	Model Konseptual	38
III.2	Sistematika Penyelesaian Masalah	40
	BAB IV PENGUMPULAN DAN PENGOLAHAN DATA	50
IV.1	Pengumpulan Data	50
IV.2	Pengolahan Data.....	52
	BAB V ANALISIS	73
V.1	Analisis Distribusi <i>Time To Repair</i>	73
V.2	Analisis Distribusi <i>Time Between Failure</i>	73
V.3	Analisis <i>Reliability Block Diagram</i> (RBD).....	73
V.4	Analisis <i>System Reliability</i>	74
V.5	Analisis <i>Maintainability</i>	75
V.6	Analisis <i>Availability</i>	76
V.7	Analisis <i>Maintenance Key Performance Indicator (KPI)</i>	78
V.8	Usuluan Untuk Meningkatkan Kinerja Sistem.....	80
V.9	Analisis <i>Overall Equipment Effectiveness (OEE)</i>	81
V.10	Analisis <i>The Six Big Losses</i>	85

BAB VI KESIMPULAN DAN SARAN	87
VI.1 Kesimpulan.....	87
VI.2 Saran.....	88
DAFTAR PUSTAKA	89