

DAFTAR ISI

HALAMAN PENGESAHAN	ii
PERNYATAAN KEASLIAN DAN BEBAS PLAGIASI	iii
KATA PENGANTAR	iv
DAFTAR ISI	vi
DAFTAR TABEL	x
DAFTAR GAMBAR	xi
ABSTRAK	xii
ABSTRACT	xiii
BAB I PENDAHULUAN	1
1.1 Latar Belakang	1
1.2 Rumusan Masalah.....	3
1.3 Tujuan Penelitian	3
1.4 Ruang Lingkup dan Batasan Masalah	3
1.5 Manfaat Penelitian	4
1.6 Sistematika Penulisan	4
BAB II LANDASAN TEORI	6
2.1 Pemeliharaan (<i>Maintenance</i>)	6
2.1.1 Pengertian <i>maintenance</i>	6
2.1.2 Jenis-jenis <i>maintenance</i>	7
2.2 Mesin <i>boiler</i>	9
2.2.1 Pengertian mesin <i>boiler</i>	9

2.2.2	Klasifikasi mesin <i>boiler</i>	10
2.2.3	Komponen utama mesin <i>boiler</i>	11
2.2.4	Prinsip kerja mesin <i>boiler</i>	13
2.2.5	Mesin <i>Boiler</i> Basuki PT Indo Acidatama Tbk.....	14
2.3	<i>Total Productive Maintenance (TPM)</i>	17
2.3.1	Definisi TPM.....	17
2.5.1	Pilar-pilar dalam TPM	18
2.4	<i>Overall Equipment Effectiveness (OEE)</i>	19
2.3.2	Definisi OEE	19
2.3.3	Manfaat OEE.....	20
2.3.4	Pengukuran OEE.....	20
2.5	<i>Six big losses</i>	22
2.4.1	Pengertian <i>six big losses</i>	23
2.4.2	Klasifikasi <i>six big losses</i>	23
2.6	Diagram Pareto	25
2.7	<i>Fishbone Diagram</i>	27
2.8	Penelitian Terdahulu	29
BAB III	METODOLOGI PENELITIAN	31
3.1	Objek Penelitian.....	31
3.2	Pengumpulan Data.....	31
3.3	Kerangka Penelitian	32
3.4	Teknik Pengolahan Data.....	33
3.5	Analisis Hasil	36
3.6	Kesimpulan dan Saran	37

BAB IV	HASIL DAN PEMBAHASAN	38
4.1	Pengumpulan Data.....	38
	4.1.1 <i>Machine Working time</i>	38
	4.1.2 <i>Downtime mesin</i>	39
	4.1.3 <i>Planned downtime</i>	40
	4.1.4 <i>Waktu setup and adjustment</i>	41
	4.1.5 <i>Non productive time</i>	42
	4.1.6 Data jumlah produksi <i>steam</i>	42
	4.1.7 Data tekanan <i>steam drop</i>	43
	4.1.8 Data kapasitas ideal.....	44
4.2	Pengolahan Data	44
	4.2.1 Perhitungan <i>loading time</i>	44
	4.2.2 Perhitungan <i>operation time</i>	45
	4.2.3 Perhitungan <i>defective steam</i>	46
	4.2.4 Perhitungan <i>availability ratio</i>	47
	4.2.5 Perhitungan <i>performance ratio</i>	48
	4.2.6 Perhitungan <i>quality ratio</i>	50
	4.2.7 Perhitungan <i>Overall Equipment Effectiveness (OEE)</i>	52
	4.2.8 Perhitungan <i>six big losses</i>	54
4.3	Analisis Hasil	61
	4.3.1 Analisis <i>availability ratio</i>	61
	4.3.2 Analisis <i>performance ratio</i>	62
	4.3.3 Analisis <i>quality ratio</i>	63
	4.3.4 Analisis hasil OEE	64