

DAFTAR ISI

HALAMAN JUDUL.....	i
LEMBAR PENYATAAN.....	ii
LEMBAR PENGESAHAN	iii
ABSTRAK	iv
ABSTRACT.....	v
KATA PENGANTAR	vi
DAFTAR ISI.....	viii
DAFTAR TABEL.....	xi
DAFTAR GAMBAR	xii
BAB I PENDAHULUAN	
1.1 Latar Belakang	1
1.2 Rumusan Masalah	5
1.3 Tujuan Penelitian.....	5
1.4 Batasan Masalah.....	5
1.5 Sistematika Penulisan Tugas Akhir.....	6
BAB II TINJAUAN PUSTAKA	
2.1 Pemeliharaan (<i>Maintenance</i>).....	8
2.1.1 Definisi <i>Maintenance</i>	8
2.1.2 Tujuan <i>Maintenance</i>	10
2.1.3 Jenis-Jenis <i>Maintenance</i>	11
2.1.4 <i>Total Productive Maintenance</i> (TPM)	16
2.1.5 Definisi <i>Total Productive Maintenance</i> (TPM)	17
2.1.6 Konsep <i>Total Productive Maintenance</i> (TPM)	17
2.1.7 Delapan Pilar <i>Total Productive Maintenance</i> (TPM)	19
2.1.8 Manfaat <i>Total Productive Maintenance</i> (TPM).....	22
2.1.9 <i>Overall Equipment Effectiveness</i> (OEE)	22
2.1.10 Cara Penilaian Skor <i>Overall Equipment Effectiveness</i> (OEE)	24

2.1.11 <i>Six Big Losser</i>	25
2.1.12 Diagram <i>Pareto</i>	28
2.1.13 <i>Cause and Effect</i> Diagram.....	28
2.2 Penelitian Terdahulu.....	29
2.3 Kerangka Pemikiran	35
BAB III METODE PENELITIAN	
3.1 Jenis Penelitian	36
3.2 Jenis Data dan Informasi	36
3.3 Metode Pengumpulan Data	37
3.4 Metode Pengolahan dan Analisa Data.....	37
3.5 Langkah-Langkah Penelitian.....	38
BAB IV PENGUMPULAN DAN PENGOLAHAN DATA	
4.1 Pengumpulan Data	40
4.1.1 Data Produksi Mesin CNC Router	41
4.1.2 Data <i>Available Time</i> dan <i>Planned Time</i>	43
4.1.3 Data <i>Downtime (Losses Availability)</i>	45
4.2 Pengolahan Data.....	47
4.2.1 Perhitungan <i>Availability Rate</i>	47
4.2.2 Perhitungan <i>Performance Rate</i>	49
4.2.3 Perhitungan Nilai <i>Rate Of Quality Product</i>	51
4.2.4 Perhitungan Nilai OEE (<i>Overall Equipment Effectiveness</i>).....	53
4.3 Perhitungan Nilai OEE <i>Six Big Losses</i>	54
4.3.1 <i>Downtime Losses</i>	54
4.3.2 <i>Speed Losses</i>	57
4.3.3 <i>Quality Losses (Defect)</i>	58
4.3.4 Hasil Persentase Pada <i>Six Big Losses</i>	59
BAB V HASIL DAN PEMBAHASAN	
5.1 Analisa Hasil Perhitungan Nilai OEE	61
5.2 Analisa Hasil Perhitungan <i>Six Big Losses</i>	62
5.3 Analisa Diagram <i>Fishbone (Cause and Defect Diagram)</i>	64

5.4	Usulan Perbaikan dengan 5W+1H	67
BAB VI KESIMPULAN DAN SARAN		
6.1	Kesimpulan.....	71
6.2	Saran.....	72
DAFTAR PUSTAKA		73

