

DAFTAR ISI

LEMBAR PENGESAHAN	i
LEMBAR PERNYATAAN ORISINALITAS	ii
ABSTRAK.....	iv
<i>ABSTRACT</i>	v
KATA PENGANTAR	vii
DAFTAR ISI.....	ix
DAFTAR GAMBAR	xii
DAFTAR TABEL.....	xiii
BAB I.....	1
PENDAHULUAN	1
I.1 Latar Belakang.....	1
I.2 Perumusan Masalah.....	3
I.3 Tujuan Penelitian.....	4
I.4 Batasan Penelitian.....	4
I.5 Manfaat Penelitian.....	4
BAB II.....	5
LANDASAN TEORI.....	5
II.1 <i>Lean Manufacturing</i>	5
II.2 <i>Operation Process Chart (OPC)</i>	7
II.3 Tata Letak Pabrik (<i>Plant Layout</i>).....	9
II.4 <i>Value Stream Mapping (VSM)</i>	9
II.4.1 <i>Current State Mapping</i>	10
II.4.2 <i>Future State Mapping</i>	13
II.5 <i>Process Activity Mapping (PAM)</i>	14
II.6 Pemborosan (<i>Waste</i>).....	15
II.7 <i>Failure Mode Effect Analysis (FMEA)</i>	17
II.8 5W1H	20
II.10 <i>Continuous Flow</i>	20

II.11 5S.....	21
II.12 Sistem Produksi Tarik (<i>Pull Production System</i>).....	22
BAB III	23
METODOLOGI PENELITIAN.....	23
III.1 Model Konseptual.....	23
III.2 Sistematika Pemecahan Masalah	24
III.2.1 Tahap Pendahuluan.....	26
III.2.2 Tahap Pengumpulan dan Pengolahan data	27
III.2.3 Identifikasi Kebutuhan Data	27
III.3 Perancangan <i>Current State</i>	28
III.3.1 Perancangan <i>Value Stream Mapping – Current State</i>	28
III.3.2 Perancangan <i>Process Activity Mapping – Current State</i>	28
III.4 Tahap Analisis dan Rekomendasi.....	28
III.4.1 Analisis Hasil Pengolahan Data.....	28
III.4.2 Perumusan Rekomendasi	29
III.4.3 Tahap Kesimpulan dan Saran	30
BAB IV	31
PENGUMPULAN DAN PENGOLAHAN DATA	31
IV.1 Peta Kerja.....	31
IV.1.1 <i>Operation Process Chart (OPC)</i>	31
IV.1.2 Tata Letak Pabrik (<i>Plant Layout</i>)	34
IV.2 Data Waktu	36
IV.2.1 <i>Cycle Time (C/T)</i>	36
IV.2.2 <i>Changeover Time (C/O)</i>	36
IV.2.3 <i>Available Work Time</i>	36
IV.2.4 <i>Uptime</i>	37
IV.2.5 <i>Value Added Time</i>	37
IV.2.6 <i>Lead Time</i>	38
IV.2.7 <i>Customer Demand (C/D)</i>	38
IV.2.8 Waktu Baku (<i>Standard Time</i>).....	38
IV.2.9 <i>Takt Time</i>	40

IV.3 <i>Value Stream Mapping – Current State</i>	40
IV.4 <i>Process Activity Mapping (PAM)</i>	41
BAB V	43
ANALISIS DAN REKOMENDASI	43
V.1 Analisis Hasil Pengolahan Data	43
V.1.1 Analisis <i>Value Stream Mapping – Current State</i>	43
V.1.2 Analisis Hasil <i>Process Activity Mapping (PAM) – Current State</i>	44
V.1.3 Analisis Pemborosan (<i>Waste</i>)	47
V.1.4 Analisis Prioritas Pemborosan (<i>Waste</i>) Berdasarkan <i>Failure Mode Effect Analysis</i> (FMEA)	50
V.1.5 Analisis Penyebab Pemborosan (<i>Waste</i>).....	52
V.2 Usulan	54
V.2.1 <i>Continuous Flow</i>	54
V.2.2 5S	57
V.2.3 Sistem Produksi Tarik (<i>Pull Production System</i>)	61
V.2.4 <i>Value Stream Mapping – Future State</i>	61
V.2.5 <i>Process Activity Mapping – Future State</i>	63
V.2.6 Perbandingan <i>Current</i> dan <i>Future State</i>	66
BAB VI	68
KESIMPULAN DAN SARAN.....	68
VI.1 Kesimpulan	68
VI.2 Saran	68
VI.2.1 Bagi Perusahaan.....	68
VI.2.2 Bagi Penelitian Selanjutnya	69
DAFTAR PUSTAKA	70