

DAFTAR ISI

| | |
|--|------|
| LEMBAR PERNYATAAN KEASLIAN..... | ii |
| SURAT SELESAI PENELITIAN TUGAS AKHIR..... | iii |
| LEMBAR PENGESAHAN PEMBIMBING..... | iv |
| LEMBAR PENGESAHAN PENGUJI..... | v |
| HALAMAN PERSEMBAHAN..... | vi |
| MOTTO..... | vii |
| KATA PENGANTAR..... | viii |
| ABSTRAK..... | x |
| DAFTAR ISI..... | xi |
| DAFTAR TABEL..... | xiii |
| DAFTAR GAMBAR..... | xiv |
| BAB I PENDAHULUAN..... | 1 |
| 1.1 Latar Belakang..... | 1 |
| 1.2 Rumusan Masalah..... | 4 |
| 1.3 Batasan Masalah..... | 5 |
| 1.4 Tujuan Penelitian..... | 5 |
| 1.5 Manfaat Penelitian..... | 5 |
| 1.6 Sistematika Penulisan..... | 6 |
| BAB II KAJIAN LITERATUR..... | 7 |
| 2.1 Kajian Induktif..... | 7 |
| 2.2 Kajian Deduktif..... | 11 |
| 2.2.1 Konsep <i>Lean</i> | 11 |
| 2.2.2 Lean Service..... | 11 |
| 2.2.3 Konsep <i>Waste</i> | 12 |
| 2.2.4 <i>Value Stream Mapping</i> (VSM)..... | 14 |
| 2.2.5 Process Activity Mapping (PAM)..... | 18 |
| 2.2.6 <i>Six Sigma</i> | 18 |
| 2.2.7 Uji Kecukupan Data..... | 20 |
| 2.2.8 Uji Keseragaman Data..... | 20 |
| 2.2.9 Metode Borda..... | 21 |

| | | |
|---|-----------------------------------|----|
| 2.2.10 | Diagram <i>Fishbone</i> | 22 |
| 2.2.11 | FMEA | 23 |
| BAB III METODOLOGI PENELITIAN | | 27 |
| 3.1 | Objek dan Subjek Penelitian | 27 |
| 3.1.1 | Objek Penelitian..... | 27 |
| 3.1.2 | Subjek Penelitian | 27 |
| 3.2 | Bahan dan Alat Penelitian | 27 |
| 3.2.1 | Bahan Penelitian | 27 |
| 3.2.2 | Alat Penelitian..... | 28 |
| 3.3 | Alur Penelitian | 28 |
| 3.4 | Deskripsi Alur Penelitian | 30 |
| BAB IV PENGUMPULAN DAN PENGOLAHAN DATA..... | | 32 |
| 4.1 | Gambaran Umum Perusahaan..... | 32 |
| 4.1.1 | Sejarah Singkat Perusahaan..... | 32 |
| 4.1.2 | Visi Misi Perusahaan | 32 |
| 4.1.3 | Produk Perusahaan..... | 32 |
| 4.1.4 | Proses Bisnis Perusahaan..... | 33 |
| 4.2 | Pengumpulan Data | 36 |
| 4.1.1 | <i>Define</i> | 36 |
| 4.1.2 | <i>Measure</i> | 37 |
| 4.1.3 | <i>Analyze</i> | 42 |
| 4.1.4 | <i>Improve</i> | 48 |
| BAB V PEMBAHASAN..... | | 53 |
| 5.1 | <i>Define</i> | 53 |
| 5.2 | <i>Measure</i> | 53 |
| 5.3 | <i>Analyze</i> | 54 |
| 5.4 | <i>Improve</i> | 55 |
| 5.5 | <i>Control</i> | 57 |
| BAB VI PENUTUP | | 58 |
| 6.2 | Kesimpulan | 58 |
| 6.3 | Saran..... | 58 |
| DAFTAR PUSTAKA | | 60 |
| LAMPIRAN..... | | 54 |

DAFTAR TABEL

| | |
|--|----|
| Tabel 2. 1 Perbedaan Lean Manufacturing dan Lean Service | 11 |
| Tabel 2. 2 Simbol Material Value Stream Mapping | 16 |
| Tabel 2. 3 Simbol Informasi Value Stream Mapping | 17 |
| Tabel 2. 4 Nilai Severity | 24 |
| Tabel 2.5 Nilai Occurance | 25 |
| Tabel 2. 6 Nilai Detection..... | 25 |
| Tabel 4. 1 Sample Pencatatan Waktu Produksi | 37 |
| Tabel 4. 2 Rekapitulasi Uji Kecukupan Data | 38 |
| Tabel 4. 3 Rekapitulasi Uji Keseragaman Data | 40 |
| Tabel 4. 4 Process Activity Mapping..... | 42 |
| Tabel 4. 5 Persentase Jenis Kegiatan | 44 |
| Tabel 4. 6 Process Activity Mapping Jasa..... | 44 |
| Tabel 4. 7 Hasil Perhitungan Jumlah Ranking | 45 |
| Tabel 4. 8 Hasil Penentuan Bobot | 45 |
| Tabel 4. 9 Hasil Perhitungan Ranking | 46 |
| Tabel 4. 10 Hasil Perhitungan Bobot..... | 46 |
| Tabel 4. 11 Analisis FMEA Delay..... | 49 |
| Tabel 4. 12 Future Process Activity Mapping | 52 |
| Tabel 5. 1 Perbandingan Cycle Time..... | 56 |
| Tabel 5. 2 Perbandingan Persentase Berdasarkan Kelompok Kegiatan | 56 |

DAFTAR GAMBAR

| | |
|---|-------------------------------------|
| Gambar 1.1 Grafik Jumlah UMKM berdasarkan Aneka Usaha DIY | Error! Bookmark not defined. |
| Gambar 2.1 Siklus Six Sigma | 19 |
| Gambar 2.2 Diagram Fishbone | 23 |
| Gambar 3.1 Alur Penelitian | 29 |
| Gambar 4.1 Value Stream Mapping | 36 |
| Gambar 4.2 Grafik Uji Keseragaman Data..... | 40 |
| Gambar 4.3 Future Value Stream Mapping..... | 51 |
| Gambar 5.1 Grafik Bobot Waste | 55 |

