DAFTAR ISI

HALAMAN JUDUL .....Error! Bookmark not defined.

LEMBAR PERSETUJUAN .....Error! Bookmark not defined.

LEMBAR PENGESAHAN .....Error! Bookmark not defined.

LEMBAR PERNYATAAN .....Error! Bookmark not defined.

KATA PENGANTAR.....Error! Bookmark not defined.

ABSTRAK .....Error! Bookmark not defined.

ABSTRACT .....Error! Bookmark not defined.

DAFTAR ISI..... **ix**

DAFTAR TABEL ..... **xii**

DAFTAR GAMBAR..... **xiii**

DAFTAR LAMPIRAN ..... **xiv**

BAB I PENDAHULUAN.....Error! Bookmark not defined.

1.1 Latar Belakang .....**Error! Bookmark not defined.**

1.2 Rumusan Masalah .....**Error! Bookmark not defined.**

1.3 Tujuan Penelitian .....**Error! Bookmark not defined.**

1.4 Manfaat .....**Error! Bookmark not defined.**

1.5 Batasan Masalah dan Asumsi .....**Error! Bookmark not defined.**

1.5.1 Batasan Masalah.....**Error! Bookmark not defined.**

1.5.2 Asumsi .....**Error! Bookmark not defined.**

BAB II TINJAUAN PUSTAKA.....Error! Bookmark not defined.

2.1 *Overall Equipment Effectiveness* (OEE) **Error! Bookmark not defined.**

2.1.1 *Availibility Ratio* .....**Error! Bookmark not defined.**

2.1.2 *Performance Efficiency*.....**Error! Bookmark not defined.**

2.1.3 *Rate of Quality Product* .....**Error! Bookmark not defined.**

2.2 Penelitian Terkait .....**Error! Bookmark not defined.**

2.3 Kerangka Pemikiran.....**Error! Bookmark not defined.**

BAB III METODE PENELITIAN ..... Error! Bookmark not defined.

3.1 Objek Penelitian.....**Error! Bookmark not defined.**

3.2 Prosedur Penelitian .....**Error! Bookmark not defined.**

3.3 Jenis Data dan Sumber Data .....**Error! Bookmark not defined.**

3.3.1 Data Primer .....**Error! Bookmark not defined.**

3.3.2 Data Sekunder .....**Error! Bookmark not defined.**

3.4 Observasi.....**Error! Bookmark not defined.**

3.5 Populasi dan Sample .....**Error! Bookmark not defined.**

3.5.1 Populasi .....**Error! Bookmark not defined.**

3.5.2 Sampel.....**Error! Bookmark not defined.**

BAB IV HASIL DAN PEMBAHASAN ..... Error! Bookmark not defined.

4.1 Hasil Pengumpulan Data.....**Error! Bookmark not defined.**

4.1.1 Alur Proses Produksi Mesin *Mill-504***Error! Bookmark not defined.**

4.1.2 Data Jumlah Produk dan Produk *Good***Error! Bookmark not defined.**

4.1.3 Data *Availabe Time, Operation Time, Loss Time***Error! Bookmark not defined.**

4.1.4 Data *Down Time*.....**Error! Bookmark not defined.**

4.2 Hasil Pengolahan Data .....**Error! Bookmark not defined.**

4.2.1 Pengukuran OEE Mesin Mill-504..**Error! Bookmark not defined.**

4.2.2 Perhitungan *Six Big Losses* .....**Error! Bookmark not defined.**

4.2.3 Perhitungan *Time Loss* tiap Faktor.**Error! Bookmark not defined.**

4.3 Analisis Hasil Perhitungan *Overall Equipment Effectiveness* (OEE) **Error! Bookmark not defined.**

4.4 Analisis Perhitungan *Losses*.....**Error! Bookmark not defined.**

4.4.1 Analisis Downtime Loss .....**Error! Bookmark not defined.**

BAB V KESIMPULAN DAN SARAN ..... Error! Bookmark not defined.

5.1 Kesimpulan .....**Error! Bookmark not defined.**

5.2 Saran.....**Error! Bookmark not defined.**

DAFTAR PUSTAKA..... Error! Bookmark not defined.

LAMPIRAN..... Error! Bookmark not defined.

RIWAYAT PENULIS..... Error! Bookmark not defined.

DAFTAR TABEL

Tabel 1. 1 Data Waktu Efektif Mesin *Mill-504*.....**Error! Bookmark not defined.**

Tabel 1. 2 Target *Key Performance Indicator Mill-504***Error! Bookmark not defined.**

Tabel 2.1 Standar OEE.....**Error! Bookmark not defined.**

Tabel 2.3 Penelitian Terkait .....**Error! Bookmark not defined.**

Tabel 4. 1 Data Varian Produk Pipa *Mill-504*.....**Error! Bookmark not defined.**

Tabel 4. 2 Data Jumlah Produk dan Data Produk *Good***Error! Bookmark not defined.**

Tabel 4. 3 Data *Available Time, Operation Time, Loss Time***Error! Bookmark not defined.**

Tabel 4. 4 Data *Down Time* bulan Juli 2023 .....**Error! Bookmark not defined.**

Tabel 4. 5 Data *Down Time* bulan Agustus 2023..**Error! Bookmark not defined.**

Tabel 4. 6 Data *Down Time* bulan September 2023**Error! Bookmark not defined.**

Tabel 4. 7 Data *Down Time* bulan Oktober 2023..**Error! Bookmark not defined.**

Tabel 4. 8 Data *Down Time* bulan November 2023**Error! Bookmark not defined.**

Tabel 4. 9 Data *Down Time* bulan November 2023**Error! Bookmark not defined.**

Tabel 4. 10 Data *Availability Rate Mill-504* .....**Error! Bookmark not defined.**

Tabel 4. 11 Data hasil produk *mill-504*.....**Error! Bookmark not defined.**

Tabel 4. 12 Data Produk *Mill-504*.....**Error! Bookmark not defined.**

Tabel 4. 13 Data *Downtime Loss*.....**Error! Bookmark not defined.**

Tabel 4. 14 Data *Set Up and Adjustment Loss* .....**Error! Bookmark not defined.**

Tabel 4. 15 Data *Reduced Speed Loss*.....**Error! Bookmark not defined.**

Tabel 4. 16 Data *Defect Loss*.....**Error! Bookmark not defined.**

Tabel 4. 17 Data *Scrap/Yield Loss* .....**Error! Bookmark not defined.**

Tabel 4. 18 Perhitungan *Time Loss* tiap Faktor.....**Error! Bookmark not defined.**

Tabel 4. 19 Nilai OEE Mesin *Mill-504* .....**Error! Bookmark not defined.**

Tabel 4. 20 Perhitungan *Time Loss* tiap Faktor.....**Error! Bookmark not defined.**

Tabel 4. 21 Data *Unplanned Down Time* .....**Error! Bookmark not defined.**

Tabel 4. 22 Data Bagian Penanggungjawab *Down Time***Error! Bookmark not defined.**

Tabel 4. 23 Data *Down Time* Kerusakan Mesin....**Error! Bookmark not defined.**

DAFTAR GAMBAR

Gambar 1. 1 Kapasitas Mesin Mill.....**Error! Bookmark not defined.**
Gambar 2.4 Kerangka Pemikiran .....**Error! Bookmark not defined.**
Gambar 3.1 Prosedur Penelitian.....**Error! Bookmark not defined.**
Gambar 4. 1 Alur Proses *mill-504*.....**Error! Bookmark not defined.**
Gambar 4. 2 Mesin *Uncoiler* .....**Error! Bookmark not defined.**
Gambar 4. 3 Mesin Sambung Strip .....**Error! Bookmark not defined.**
Gambar 4. 4 Mesin *Accumulator*.....**Error! Bookmark not defined.**
Gambar 4. 5 Mesin *Forming* .....**Error! Bookmark not defined.**
Gambar 4. 6 Proses *Welding* .....**Error! Bookmark not defined.**
Gambar 4. 7 Proses *Scrafing* .....**Error! Bookmark not defined.**
Gambar 4. 8 Proses *Sizing*.....**Error! Bookmark not defined.**
Gambar 4. 9 Proses *Straightening* .....**Error! Bookmark not defined.**
Gambar 4. 10 Mesin *Cutting* .....**Error! Bookmark not defined.**
Gambar 4. 11 Pipa hasil proses *packing*.....**Error! Bookmark not defined.**
Gambar 4. 12 Diagram Pareto *Six Big Losses*.....**Error! Bookmark not defined.**

DAFTAR LAMPIRAN

Lampiran 1 Uji *Similarity*.....**Error! Bookmark not defined.**
Lampiran 2 Hasil Cek Abstrak.....**Error! Bookmark not defined.**
Lampiran 3 Lembar Perbaikan Ketua Penguji .....**Error! Bookmark not defined.**
Lampiran 4 Lembar Perbaikan Penguji 1.....**Error! Bookmark not defined.**
Lampiran 5 Lembar Perbaikan Penguji 2.....**Error! Bookmark not defined.**
Lampiran 6 Lembar Bimbingan Tugas Akhir .....**Error! Bookmark not defined.**
Lampiran 7 Dokumentasi Sidang Akhir.....**Error! Bookmark not defined.**
Lampiran 8 Lembar Bimbingan Proposal .....**Error! Bookmark not defined.**
Lampiran 9 Lembar Perbaikan Seminar Proposal 1**Error! Bookmark not defined.**
Lampiran 10 Lembar Perbaikan Seminar Proposal 2**Error! Bookmark not defined.**
Lampiran 11 Dokumentasi Seminar Proposal.....**Error! Bookmark not defined.**