

## DAFTAR GAMBAR

|  |    |
|--|----|
| Gambar I. 1 Komposisi Sampah Berdasarkan Jenis Sampah .....                | 1  |
| Gambar I. 2 Kondisi Jalanan.....   | 2  |
| Gambar I. 3 Sapu Lidi (Produk Eksisting).....                              | 3  |
| Gambar I. 4 Kondisi Postur Tubuh Ketika Menggunakan Produk Eksisting ..... | 3  |
| Gambar I. 5 Perhitungan Sudut REBA .....                                   | 4  |
| Gambar I. 6 REBA Assessment Worksheet.....                                 | 5  |
| Gambar I. 7 Diagram Fishbone.....  | 6  |
| Gambar II. 1 Fase Pengembangan Produk.....                                 | 10 |
| Gambar II. 2 Ergonomic Function Deployment (EFD) .....                     | 12 |
| Gambar II. 3 REBA Employee Assessment Worksheet .....                      | 16 |
| Gambar III. 1 Sistematika Perancangan.....                                 | 21 |
| Gambar III. 2 Sistematika Perancangan Lanjutan.....                        | 22 |
| Gambar IV. 1 Kondisi Eksisting melalui aplikasi Jack.....                  | 28 |
| Gambar IV. 2 Vacuum Litter Picker .....                                    | 31 |
| Gambar IV. 3 Dimensi Tinggi Siku .....                                     | 37 |
| Gambar IV. 4 Dimensi Lebar Sisi Bahu .....                                 | 38 |
| Gambar IV. 5 hubungan antar persyaratan teknis.....                        | 40 |
| Gambar IV. 6 Alternatif Konsep.....  | 41 |
| Gambar IV. 7 Alternatif Konsep (2) .....                                   | 42 |
| Gambar IV. 8 Garbage Vacuum .....  | 48 |
| Gambar IV. 9 Perhitungan Nilai REBA.....                                   | 50 |
| Gambar IV. 10 REBA Assessment .....  | 50 |
| Gambar V. 1 Adjustment Handle.....   | 54 |
| Gambar V. 2 Aliran Sampah Kering dan Debu .....                            | 55 |
| Gambar V. 3 Computational Fluid Dynamics .....                             | 55 |
| Gambar V. 4 Aliran Angin.....  | 56 |
| Gambar V. 5 Letak Engine.....  | 57 |
| Gambar V. 6 Von Mises Stress Engine.....                                   | 58 |
| Gambar V. 7 Displacement Engine.....                                       | 58 |
| Gambar V. 8 Instruksi Kerja Garbage Vacuum .....                           | 61 |

Gambar V. 9 Proses Kerja Garbage Vacuum..... 62