

## DAFTAR ISI

|                                                                              |      |
|------------------------------------------------------------------------------|------|
| LEMBAR PERSETUJUAN .....                                                     | ii   |
| LEMBAR PENGESAHAN .....                                                      | iii  |
| HALAMAN PERNYATAAN.....                                                      | iv   |
| ABSTRAK.....                                                                 | v    |
| ABSTRACT .....                                                               | vi   |
| KATA PENGANTAR.....                                                          | vii  |
| DAFTAR ISI .....                                                             | viii |
| DAFTAR TABEL .....                                                           | xi   |
| DAFTAR GAMBAR.....                                                           | xii  |
| DAFTAR LAMPIRAN .....                                                        | xiv  |
| BAB I.....                                                                   | 15   |
| PENDAHULUAN .....                                                            | 15   |
| 1.1. Latar Belakang.....                                                     | 15   |
| 1.2. Identifikasi Masalah .....                                              | 17   |
| 1.3. Rumusan Masalah.....                                                    | 17   |
| 1.4. Tujuan Perancangan.....                                                 | 17   |
| 1.5. Batasan Perancangan .....                                               | 17   |
| 1.6. Ruang Lingkup Penelitian/Perancangan ( <i>Scope</i> ).....              | 18   |
| 1.7. Manfaat Perancangan.....                                                | 18   |
| 1.8. Sistematika Penulisan Laporan.....                                      | 18   |
| BAB II .....                                                                 | 20   |
| KAJIAN.....                                                                  | 20   |
| 2. 1. Landasan Teoritis .....                                                | 20   |
| 2. 1. 1. Kegiatan Bersepeda.....                                             | 20   |
| 2. 1. 2. Fasilitas Parkir Sepeda .....                                       | 21   |
| 2. 1. 3. Tipe Sepeda .....                                                   | 23   |
| 2. 1. 4. <i>Autonomus Bike Parking System</i> (Selter Parkir Otomatis) ..... | 26   |
| 2. 1. 5. Pengertian Fasilitas Publik.....                                    | 27   |
| 2. 1. 6. Crime Prevention through Environmental Design (CPTED).....          | 28   |
| 2. 1. 7. Prinsip Desain pada Fasilitas Publik .....                          | 30   |
| 2. 1. 8. Ergonomi Kerja.....                                                 | 32   |
| 2. 1. 9. Antropometri .....                                                  | 33   |
| 2. 1. 10. Taman Kiara Artha .....                                            | 35   |
| 2. 1. 11. <i>Famework SCAMPER</i> .....                                      | 36   |
| 2. 2. Hasil Observasi.....                                                   | 37   |
| 2. 3. Summary.....                                                           | 40   |
| BAB III.....                                                                 | 42   |
| METODE.....                                                                  | 42   |
| 3. 1. Rancangan Penelitian ( <i>Research Design</i> ).....                   | 42   |
| 3. 2. Metode Penggalan Data.....                                             | 44   |
| 3. 2. 1. Metode Wawancara .....                                              | 45   |
| 3. 2. 2. Metode Survei/Angket .....                                          | 45   |

|            |                                                                        |    |
|------------|------------------------------------------------------------------------|----|
| 3. 2. 3.   | Metode Observasi.....                                                  | 47 |
| 3. 2. 4.   | Studi Literatur .....                                                  | 47 |
| 3. 3.      | Metode Perancangan.....                                                | 47 |
| 3. 4.      | Proses Perancangan .....                                               | 49 |
| 3. 4. 1.   | Metode SCAMPER .....                                                   | 49 |
| 3. 4. 2.   | Indikator Visual .....                                                 | 49 |
| 3. 4. 3.   | Konsep Visual .....                                                    | 50 |
| 3. 4. 4.   | Desain Final .....                                                     | 50 |
| 3. 4. 5.   | Gambar Teknik.....                                                     | 51 |
| 3. 4. 6.   | <i>Prototyping</i> .....                                               | 51 |
| 3. 5.      | Metode Validasi.....                                                   | 52 |
| BAB IV     | .....                                                                  | 53 |
| PEMBAHASAN | .....                                                                  | 53 |
| 4. 1.      | Brainstorming Masalah & Kebutuhan (Mind Mapping) .....                 | 53 |
| 4. 2.      | Rekap Pembahasan Hasil Literatur.....                                  | 53 |
| 4. 3.      | Rekap Pembahasan Data Observasi terhadap Pengguna .....                | 54 |
| 4. 4.      | Proses Perancangan .....                                               | 55 |
| 4. 5.      | Parameter Studi Analisa Perancangan.....                               | 56 |
| 4. 5. 1.   | Analisis Persona .....                                                 | 56 |
| 4. 5. 2.   | <i>Emphaty Map</i> .....                                               | 57 |
| 4. 5. 3.   | Analisis Komparasi ( <i>Benchmarking</i> ) .....                       | 58 |
| 4. 5. 4.   | Analisis Aktivitas .....                                               | 59 |
| 4. 5. 5.   | Analisis Faktor Keamanan .....                                         | 60 |
| 4. 5. 6.   | Analisis <i>User Experience (UX)</i> / Alur Pengalaman Penggunaan..... | 61 |
| 4. 5. 7.   | Analisis Kebutuhan Komponen .....                                      | 62 |
| 4. 5. 8.   | Analisis Indikator Visual.....                                         | 63 |
| 4. 5. 9.   | <i>Positioning</i> Produk Berdasarkan <i>Value</i> .....               | 65 |
| 4. 5. 10.  | Affinity Diagram.....                                                  | 65 |
| 4. 5. 11.  | Analisis Kebutuhan .....                                               | 65 |
| 4. 5. 12.  | Analisis Ergonomi.....                                                 | 66 |
| 4. 5. 13.  | Analisis Material Konstruksi.....                                      | 67 |
| 4. 6.      | Metode Perancangan.....                                                | 68 |
| 4. 7.      | TOR ( <i>Terms of Reference</i> ).....                                 | 68 |
| 4. 8.      | Proses Visualisasi Produk.....                                         | 69 |
| 4. 8. 1.   | <i>Moodboard</i> .....                                                 | 69 |
| 4. 8. 2.   | <i>User Persona</i> .....                                              | 70 |
| 4. 8. 3.   | <i>Imageboard</i> .....                                                | 70 |
| 4. 8. 4.   | Eksplorasi Sketsa Ide .....                                            | 71 |
| 4. 8. 5.   | Alternatif Desain .....                                                | 72 |
| 4. 8. 6.   | <i>Scoring</i> Konsep Desain .....                                     | 73 |
| 4. 8. 7.   | Identitas <i>Brand</i> .....                                           | 73 |
| 4. 8. 8.   | Final Design Terpilih.....                                             | 74 |
| 4. 8. 9.   | <i>Prototyping</i> .....                                               | 76 |
| 4. 9.      | Validasi Produk .....                                                  | 76 |

|                            |    |
|----------------------------|----|
| BAB V .....                | 80 |
| KESIMPULAN DAN SARAN ..... | 80 |
| 5. 1.    Kesimpulan.....   | 80 |
| 5. 2.    Saran .....       | 80 |
| DAFTAR PUSTAKA.....        | 81 |
| LAMPIRAN .....             | 84 |