

## DAFTAR ISI

---

|  |      |
|--|------|
| KATA PENGANTAR .....                                   | i    |
| ABSTRAK .....  | ii   |
| ABSTRACT .....   | iii  |
| DAFTAR ISI .....                                       | iv   |
| DAFTAR GAMBAR .....                                    | vii  |
| DAFTAR TABEL .....                                     | viii |
| DAFTAR LAMPIRAN.....                                   | x    |
| BAB 1 PENDAHULUAN .....                                | 1    |
| 1.1 Latar Belakang .....                               | 1    |
| 1.2 Rumusan Masalah.....                               | 2    |
| 1.3 Tujuan .....                                       | 3    |
| 1.4 Batasan Masalah.....                               | 3    |
| 1.5 Metode Pengerjaan .....                            | 3    |
| 1.6 Jadwal Pengerjaan .....                            | 6    |
| BAB 2 TINJAUAN PUSTAKA .....                           | 7    |
| 2.1 Konsep Dasar Proyek Akhir.....                     | 7    |
| 2.1.1 Ekonomi .....                                    | 7    |
| 2.1.2 Usaha Mikro Kecil Menengah ( UMKM ).....         | 7    |
| 2.1.3 Donasi.....                                      | 7    |
| 2.1.4 Pemilik Usaha .....                              | 7    |
| 2.1.5 Donatur .....                                    | 8    |
| 2.1.6 Usaha.....                                       | 8    |
| 2.1.7 Benefit .....                                    | 8    |
| 2.2 Tools Pemodelan Aplikasi .....                     | 8    |
| 2.2.1 Business Process Model and Notation (BPMN) ..... | 8    |
| 2.2.2 Unified Modelling Language (UML) .....           | 10   |
| 2.2.3 Use Case Diagram.....                            | 11   |
| 2.2.4 Class Diagram .....                              | 12   |

|  |   |           |
|--|---|-----------|
| 2.2.5  | Entity Relationship Diagram (ERD) .....   | 13        |
| 2.3  | Tools Pembangunan Aplikasi .....          | 13        |
| 2.3.1  | Hypertext Preprocessor (PHP) .....        | 14        |
| 2.3.2  | Codeigniter (CI) .....                    | 14        |
| 2.3.3  | HTML, CSS, dan JavaScript .....           | 14        |
| 2.3.4  | My Structure Query Language (MySQL).....  | 15        |
| 2.4  | Tools Pengujian Aplikasi .....            | 15        |
| 2.4.1  | Black Box Testing.....                    | 15        |
| <b>BAB 3 ANALISIS DAN PERANCANGAN.....</b>   |   | <b>16</b> |
| 3.1  | Analisis .....                            | 16        |
| 3.1.1  | Gambaran Sistem Saat Ini .....            | 16        |
| 3.1.2  | Gambaran Sistem Usulan.....               | 22        |
| 3.1.3  | Analisis Kebutuhan Sistem .....           | 23        |
| 3.1.4  | Kebutuhan Perangkat Keras dan Lunak ..... | 26        |
| 3.2  | Perancangan .....                         | 28        |
| 3.2.1  | Model Aplikasi Berbasis Objek.....        | 28        |
| 3.2.2  | Perancangan Basis Data .....              | 50        |
| 3.2.3  | Perancangan Antarmuka.....                | 57        |
| <b>BAB 4 IMPLEMENTASI DAN PENGUJIAN.....</b> |   | <b>63</b> |
| 4.1  | Implementasi .....                        | 63        |
| 4.2  | Pengujian .....                           | 70        |
| 4.2.1  | Skenario Pengujian.....                   | 70        |
| 4.2.2  | Hasil Pengujian .....                     | 73        |
| 4.2.3  | Hasil Kesimpulan .....                    | 88        |
| <b>BAB 5 KESIMPULAN .....</b>                |   | <b>89</b> |
| 5.1  | Kesimpulan .....                          | 89        |
| 5.2  | Saran .....                               | 89        |
| <b>DAFTAR PUSTAKA.....</b>                   |   | <b>90</b> |
| <b>LAMPIRAN.....</b>                         |   | <b>93</b> |
| Use Case SIMOSA.....                         |   | 93        |
| BPMN Usulan SIMOSA.....                      |   | 94        |
| ERD SIMOSA.....                              |   | 95        |

|                            |    |
|----------------------------|----|
| Class Diagram SIMOSA ..... | 96 |
| BPMN Yang Berjalan .....   | 97 |
| Pemilik Usaha .....        | 97 |
| Donatur 97                 |    |
| Skema Relasi SIMOSA .....  | 98 |
| Hasil Wawancara .....      | 99 |