

## DAFTAR ISI

|                                                     |      |
|-----------------------------------------------------|------|
| LEMBAR PERSETUJUAN PEMBIMBING .....                 | i    |
| LEMBAR PENGESAHAN .....                             | ii   |
| HALAMAN PERNYATAAN KEASLIAN .....                   | iii  |
| KATA PENGANTAR.....                                 | iv   |
| DAFTAR ISI .....                                    | vi   |
| DAFTAR TABEL.....                                   | ix   |
| DAFTAR GAMBAR .....                                 | x    |
| DAFTAR LAMPIRAN .....                               | xii  |
| ABSTRAK .....                                       | xiii |
| <i>ABSTRACT</i> .....                               | xiv  |
| BAB I PENDAHULUAN .....                             | 1    |
| 1.1 Latar Belakang .....                            | 1    |
| 1.2 Perumusan Masalah .....                         | 3    |
| 1.3 Pertanyaan penelitian .....                     | 3    |
| 1.4 Batasan masalah .....                           | 4    |
| 1.5 Tujuan.....                                     | 4    |
| 1.6 Manfaat .....                                   | 4    |
| BAB II TINJAUAN PUSTAKA DAN LANDASAN TEORI.....     | 5    |
| 2.1 Tinjauan Pustaka .....                          | 5    |
| 2.2 Landasan Teori .....                            | 14   |
| 2.2.1 Website .....                                 | 14   |
| 2.2.2 <i>Mysql</i> .....                            | 14   |
| 2.2.3 <i>Unifield Modeling Language</i> (UML) ..... | 15   |
| 2.2.4 <i>Extreme Programming</i> .....              | 22   |

|                                    |                                               |    |
|------------------------------------|-----------------------------------------------|----|
| 2.2.5                              | <i>Blackbox Testing</i> .....                 | 23 |
| 2.2.6                              | <i>User Experience Questionnaire</i> .....    | 23 |
| BAB III METODOLOGI PENELITIAN..... |                                               | 26 |
| 3.1                                | Subyek dan Objek Penelitian .....             | 26 |
| 3.2                                | Alat dan Bahan .....                          | 26 |
| 3.2.1                              | Perangkat Keras ( <i>Hardware</i> ) .....     | 26 |
| 3.2.2                              | Perangkat Lunak ( <i>software</i> ) .....     | 27 |
| 3.3                                | Diagram Alir Penelitian.....                  | 27 |
| 3.3.1                              | Identifikasi masalah .....                    | 29 |
| 3.3.2                              | Pengumpulan data.....                         | 29 |
| 3.3.3                              | <i>Planning</i> .....                         | 29 |
| 3.3.4                              | Desain .....                                  | 29 |
| 3.3.5                              | <i>Coding</i> .....                           | 30 |
| 3.3.6                              | <i>Testing</i> .....                          | 30 |
| 3.3.7                              | Implementasi .....                            | 31 |
| 3.3.8                              | Kesimpulan.....                               | 31 |
| BAB IV HASIL DAN PEMBAHASAN.....   |                                               | 32 |
| 4.1                                | <i>Planning</i> .....                         | 32 |
| 4.1.1                              | <i>User Requirement</i> .....                 | 32 |
| 4.1.2                              | <i>Development Planning Schedule</i> .....    | 35 |
| 4.2                                | Desain.....                                   | 36 |
| 4.2.1                              | <i>Unified Modelling Language (UML)</i> ..... | 36 |
| 4.2.2                              | <i>Design System</i> .....                    | 54 |
| 4.2.3                              | <i>Low Fidelity Design</i> .....              | 55 |
| 4.3                                | <i>Coding</i> .....                           | 56 |

|                                                        |    |
|--------------------------------------------------------|----|
| 4.3.1 Halaman <i>User Interface</i> Website.....       | 57 |
| 4.3.2 Penulisan <i>code</i> .....                      | 68 |
| 4.4 <i>Testing</i> .....                               | 72 |
| 4.4.1 <i>Blackbox Testing</i> .....                    | 72 |
| 4.4.2 <i>User Experience Questionnaire (UEQ)</i> ..... | 83 |
| BAB V PENUTUP .....                                    | 89 |
| 5.1 Kesimpulan .....                                   | 89 |
| 5.2 Saran.....                                         | 90 |
| DAFTAR PUSTAKA .....                                   | 91 |
| LAMPIRAN.....                                          | 94 |

