

DAFTAR ISI

| | Halaman |
|--|-------------|
| PERNYATAAN | iii |
| HALAMAN PERSETUJUAN | iv |
| HALAMAN PENGESAHAN | v |
| HALAMAN PERSEMBAHAN | vi |
| HALAMAN MOTO | vii |
| RIWAYAT HIDUP | viii |
| ABSTRAK | ix |
| ABSTRACT | x |
| PRAKATA | xi |
| DAFTAR ISI | xii |
| DAFTAR TABEL | xiv |
| DAFTAR GAMBAR | xv |
| DAFTAR LAMPIRAN | xvii |
| BAB I PENDAHULUAN | 1 |
| 1.1 Latar Belakang | 1 |
| 1.2 Ruang Lingkup | 2 |
| 1.3 Rumusan Masalah | 3 |
| 1.4 Tujuan Penelitian..... | 3 |
| 1.5 Manfaat Penelitian..... | 3 |
| 1.6 Sistematika Penulisan..... | 4 |
| BAB II TINJAUAN PUSTAKA | 5 |
| 2.1 Lembaga Sertifikasi Profesi | 5 |
| 2.2 Penjadwalan | 7 |
| 2.3 <i>CodeIgniter</i> | 5 |
| 2.4 <i>Web Mobile</i> | 6 |
| 2.5 <i>Website</i> | 6 |
| 2.6 PHP..... | 7 |
| 2.7 MySQL..... | 7 |
| 2.8 Metode Penjadwalan | 7 |
| 2.9 Metode <i>Extreme Programming</i> | 8 |
| 2.9.1 Sejarah Singkat <i>Extreme Programming</i> | 8 |
| 2.9.2 Kerangka Kerja <i>Extreme Programming</i> | 9 |
| 2.9.3 Nilai Inti <i>Extreme Programming</i> | 9 |
| 2.9.4 Aspek Dasar <i>Extreme Programming</i> | 10 |
| 2.9.5 Tujuan <i>Extreme Programming</i> | 11 |
| 2.9.6 Daur Hidup Metodologi <i>Extreme Programming</i> | 12 |
| 2.9.7 Keuntungan dan Kerugian <i>Extreme Programming</i> | 12 |
| 2.10 <i>Unified Modelling Language (UML)</i> | 12 |
| 2.10.1 <i>Use Case Diagram</i> | 13 |

| | | |
|----------------|---|-----------|
| 2.10.2 | <i>Activity Diagram</i> | 13 |
| 2.10.3 | <i>Class Diagram</i> | 13 |
| BAB III | METODOLOGI PENELITIAN | 14 |
| 3.1 | Populasi dan Sampel | 14 |
| 3.1.1 | Variabel dan Definisi Opsional Variabel | 14 |
| 3.2 | Jenis dan Sumber Data | 14 |
| 3.3 | Alat dan Bahan Penelitian | 14 |
| 3.3.1 | Perangkat Keras | 14 |
| 3.3.2 | Perangkat Lunak..... | 14 |
| 3.3.3 | Kebutuhan Sistem | 15 |
| 3.4 | Metode Pengumpulan Data | 16 |
| 3.5 | Tahapan Penelitian | 16 |
| 3.6 | Metode Penelitian..... | 17 |
| 3.7 | Gambaran Sistem Usulan | 19 |
| BAB IV | HASIL DAN PEMBAHASAN | 29 |
| 4.1 | Hasil Implementasi..... | 29 |
| 4.1.1 | Implementasi Bagian Admin | 29 |
| 4.1.2 | Implementasi Bagian Asesor | 35 |
| 4.1.3 | Implementasi Bagian Mahasiswa..... | 38 |
| 4.2 | Jadwal Penelitian..... | 42 |
| BAB V | KESIMPULAN DAN SARAN | 43 |
| 5.1 | Kesimpulan..... | 43 |
| 5.2 | Saran..... | 43 |
| | DAFTAR PUSTAKA | 44 |
| | LAMPIRAN | 46 |

DAFTAR TABEL

| | Halaman |
|----------------------------------|---------|
| Tabel 4.1 Jadwal Penelitian..... | 42 |

DAFTAR GAMBAR

| | Halaman |
|--|---------|
| Gambar 2.1 Arsitektur MVC | 6 |
| Gambar 2.2 <i>Extreme Programming</i> | 8 |
| Gambar 3.1 Tahapan Penelitian | 17 |
| Gambar 3.2 <i>Use Case Diagram</i> Sistem Usulan | 19 |
| Gambar 3.3 <i>Activity Diagram</i> Admin | 20 |
| Gambar 3.4 <i>Activity Diagram</i> Asesor | 20 |
| Gambar 3.5 <i>Activity Diagram</i> Mahasiswa | 21 |
| Gambar 3.6 <i>Sequence Diagram</i> Login | 22 |
| Gambar 3.7 <i>Sequence Diagram</i> Logout | 22 |
| Gambar 3.8 <i>Sequence Diagram</i> Mahasiswa | 23 |
| Gambar 3.9 <i>Sequence Diagram</i> Priode | 23 |
| Gambar 3.10 <i>Sequence Diagram</i> Skema | 24 |
| Gambar 3.11 <i>Sequence Diagram</i> Kompetensi | 25 |
| Gambar 3.12 <i>Sequence Diagram</i> Pendaftaran | 25 |
| Gambar 3.13 <i>Sequence Diagram</i> Asesmen | 26 |
| Gambar 3.14 <i>Sequence Diagram</i> Jadwal Test | 27 |
| Gambar 3.15 <i>Sequence Diagram</i> Laporan | 27 |
| Gambar 3.16 <i>Class Diagram</i> | 28 |
| Gambar 4.1 Implementasi <i>Login</i> | 29 |
| Gambar 4.2 Implementasi Data Mahasiswa | 30 |
| Gambar 4.3 Implementasi Data Asesor | 30 |
| Gambar 4.4 Implementasi Priode | 31 |
| Gambar 4.5 Implementasi Informasi | 31 |
| Gambar 4.6 Implementasi Skema | 32 |
| Gambar 4.7 Implementasi Kompetensi | 32 |
| Gambar 4.8 Implementasi Jadwal Ujian | 33 |
| Gambar 4.9 Implementasi Pendaftaran | 33 |
| Gambar 4.10 Implementasi Hasil Asesmen | 34 |
| Gambar 4.11 Implementasi Laporan Hasil | 34 |
| Gambar 4.12 Implementasi <i>Login</i> | 35 |
| Gambar 4.13 Implementasi Pendaftaran | 35 |
| Gambar 4.14 Implementasi Jadwal Ujian | 36 |
| Gambar 4.15 Implementasi Nilai Test | 36 |
| Gambar 4.16 Implementasi Hasil Test | 37 |
| Gambar 4.17 Implementasi Laporan Hasil | 37 |
| Gambar 4.18 Implementasi Registrasi | 38 |

| | |
|---|----|
| Gambar 4.19 Implementasi <i>Login</i> | 38 |
| Gambar 4.20 Implementasi Pendaftaran | 39 |
| Gambar 4.21 Implementasi Informasi | 39 |
| Gambar 4.22 Implementasi Kompetensi | 40 |
| Gambar 4.23 Implementasi Jadwal Ujian..... | 40 |
| Gambar 4.24 Implementasi Asesmen Mandiri | 41 |
| Gambar 4.25 Implementasi Hasil Test | 41 |

DAFTAR LAMPIRAN

| | Hal |
|--------------------------------|-----|
| Lampiran 1 Data Mahasiswa..... | 46 |