

DAFTAR ISI

| | |
|---|------|
| LEMBAR PERNYATAAN..... | i |
| LEMBAR PENGESAHAN | ii |
| KATA PENGANTAR | iii |
| ABSTRAK..... | iv |
| ABSTRACT..... | v |
| DAFTAR ISI..... | vi |
| DAFTAR GAMBAR | viii |
| DAFTAR TABEL..... | x |
| BAB I PENDAHULUAN..... | 1 |
| 1.1 Latar Belakang | 1 |
| 1.2 Rumusan Masalah | 2 |
| 1.3 Tujuan dan Manfaat | 3 |
| 1.4 Batasan Masalah..... | 3 |
| 1.5 Metodologi Penelitian | 3 |
| 1.5.1 Metode Pengumpulan Data..... | 3 |
| 1.5.2 Metode Pengembangan Sistem..... | 4 |
| 1.6 Sistematika Penulisan..... | 4 |
| BAB II LANDASAN TEORI..... | 6 |
| 2.1 Tinjauan Pustaka | 6 |
| 2.1.1 Metode Waterfall | 6 |
| 2.1.2 Sistem Informasi | 7 |
| 2.2 Analisis <i>PIECES</i> | 9 |
| 2.3 Relational Database..... | 10 |
| 2.3.1 UML (Unified Modeling Language) | 10 |
| 2.3.2 Use Case Diagram..... | 12 |
| 2.3.3 Activity Diagram | 13 |
| 2.3.4 Sequence Diagram | 14 |
| 2.3.5 Class Diagram..... | 15 |
| 2.4 MySQL..... | 16 |
| 2.5 Perl Hypertext Preprocessor (PHP)..... | 17 |
| 2.6 Hasil Penelitian Terkait..... | 17 |

| | |
|---|----|
| BAB III ANALISIS DAN PERANCANGAN SISTEM | 21 |
| 3.1 Perencanaan | 21 |
| 3.2 Pemodelan..... | 22 |
| 3.2.1 Analisis Proses Bisnis Berjalan | 22 |
| 3.2.2 Flowchart Bisnis Berjalan..... | 24 |
| 3.2.3 Analisis Permasalahan | 29 |
| 3.2.4 Analisis <i>PIECES</i> | 29 |
| 3.2.5 <i>Usecase</i> Sistem Usulan..... | 31 |
| 3.2.6 <i>Activity Diagram</i> Sistem Usulan..... | 41 |
| 3.2.7 <i>Sequence Diagram</i> Sistem Usulan..... | 54 |
| 3.2.8 <i>Class Diagram</i> Sistem Usulan..... | 64 |
| 3.2.9 Perancangan Database | 65 |
| BAB IV IMPLEMENTASI DAN PENGUJIAN..... | 69 |
| 4.1 Implementasi Aplikasi | 69 |
| 4.2 Implementasi Database | 69 |
| 4.3 Implementasi Antar Muka | 75 |
| 4.3.1 Tampilan Awal / <i>Dashboard (before login)</i> | 75 |
| 4.4 Pengujian..... | 91 |
| 4.4.1 Tahapan Pengujian..... | 91 |
| BAB V PENUTUP | 96 |
| 5.1 Kesimpulan | 96 |
| 5.2 Saran | 96 |
| Daftar Pustaka | 97 |