

DAFTAR ISI

| | |
|--|-----|
| ABSTRAK | iii |
| <i>ABSTRACT</i> | iv |
| KATA PENGANTAR | v |
| LEMBAR PERSEMBAHAN | vi |
| LEMBAR PERNYATAAN ORISINALITAS | vii |
| DAFTAR GAMBAR DAN ILUSTRASI | xi |
| DAFTAR TABEL..... | xii |
| Bab I Pendahuluan | 1 |
| I.1 Latar Belakang Penelitian..... | 1 |
| I.2 Perumusan Masalah..... | 5 |
| I.3 Tujuan Penelitian..... | 5 |
| I.4 Manfaat Penelitian..... | 5 |
| I.5 Batasan Masalah..... | 5 |
| I.6 Sistematika Penulisan..... | 6 |
| Bab II TINJAUAN PUSTAKA..... | 7 |
| II.1 Pengertian Sistem Informasi..... | 7 |
| II.2 Pengertian <i>E-Commerce</i> | 7 |
| II.3 <i>Waterfall</i> Development | 9 |
| II.4 <i>Agile Method</i> | 10 |
| II.5 <i>Unified Modelling Language (UML)</i> | 11 |
| II.5.1 <i>Use-Case Diagram</i> | 11 |
| II.5.2 <i>Class Diagram</i> | 11 |
| II.5.3 <i>Sequence Diagram</i> | 11 |
| II.5.4 <i>Activity Diagram</i> | 11 |
| II.6 Tools Perangkat Lunak..... | 12 |
| II.6.1 Web server | 12 |
| II.6.2 PHP | 12 |
| II.6.3 <i>Database</i> | 12 |
| II.6.4 XAMPP..... | 12 |
| II.6.5 <i>MySQL</i> | 13 |
| II.6.6 <i>HyperText Markup Language</i> | 13 |

| | | |
|-------------------|---|----|
| II.7 | <i>Data Flow Diagram (DFD)</i> | 14 |
| II.8 | <i>Entity Relationship Diagram (ERD)</i> | 14 |
| II.9 | Transaksi..... | 15 |
| II.10 | Penjualan..... | 16 |
| II.11 | Proses Bisnis | 17 |
| II.12 | ISO 9126 | 17 |
| II.13 | Studi Literatur | 18 |
| II.13.1 | Skripsi Terdahulu | 18 |
| Bab III | METODOLOGI PENELITIAN | 20 |
| III.1 | Model Konseptual | 20 |
| III.2 | Sistematika Pemecahan Masalah..... | 21 |
| Tahap Pendahuluan | | 22 |
| III.2.1 | Tahap Pengumpulan Data | 22 |
| III.2.2 | Tahap Perancangan | 23 |
| III.2.3 | Tahap Pengujian dan Analisis..... | 24 |
| III.2.4 | Kesimpulan dan Saran..... | 24 |
| Bab IV | PENGUMPULAN DAN PENGOLAHAN DATA | 25 |
| IV.1 | Perencanaan Proses Bisnis..... | 25 |
| IV.1.2 | Penentuan Proses Bisnis..... | 29 |
| IV.1.3 | Visi & Misi Perusahaan | 30 |
| IV.1.4 | Usulan Perancangan Proses Bisnis..... | 30 |
| IV.2 | Perancangan Sistem Informasi..... | 33 |
| IV.2.1 | Analisis Sistem Lama..... | 33 |
| IV.2.2 | Perancangan Sistem Baru..... | 33 |
| IV.3 | Analisa Kebutuhan..... | 34 |
| IV.3.1 | Identifikasi Masalah..... | 34 |
| IV.3.2 | Kebutuhan Data..... | 34 |
| IV.3.3 | Kebutuhan Fungsional | 35 |
| IV.4 | Usulan Prosedur Perancangan Sistem Aplikasi | 35 |
| IV.4.1 | Gambaran Sistem Usaha | 35 |
| IV.4.2 | Perancangan Menu | 36 |
| IV.5 | <i>Unified Modelling Language</i> | 37 |
| IV.5.1 | <i>Use Case Diagram</i> | 37 |
| IV.5.2 | DFD Level 0..... | 37 |

| | | |
|---------|--|----|
| IV.5.3 | DFD Level 1 | 38 |
| IV.5.4 | DFD Level 2 Order Hewan | 38 |
| IV.5.5 | DFD Level 2 Proses Registrasi | 39 |
| IV.5.6 | DFD Level 2 Proses Transaksi | 39 |
| IV.5.7 | <i>Sequence Diagram</i> Registrasi | 40 |
| IV.5.8 | <i>Sequence Diagram</i> Data Order | 41 |
| IV.5.9 | <i>Sequence Diagram</i> Transaksi | 42 |
| IV.5.10 | <i>Activity Diagram</i> | 43 |
| IV.6 | Perancangan Sistem | 43 |
| IV.6.1 | <i>Interface Customer</i> | 43 |
| IV.6.2 | Perancangan <i>Interface Admin</i> | 46 |
| Bab V | ANALISIS | 48 |
| V.1 | Analisis Perancangan Bisnis Eksisting | 48 |
| V.1.1 | Analisis Sistem Lama | 48 |
| V.1.2 | Analisis Usulan Proses Bisnis Baru | 48 |
| V.2 | Analisis Hasil Pengujian Dengan ISO 9126 | 49 |
| V.2.1 | Aspek <i>Functionally</i> | 49 |
| V.2.2 | Aspek <i>Usability</i> | 51 |
| V.2.3 | Aspek <i>Efficiency</i> | 53 |
| V.2.4 | Aspek <i>Portability</i> | 53 |
| Bab VI | KESIMPULAN DAN SARAN | 56 |
| VI.1 | Kesimpulan | 56 |
| VI.2 | Saran | 56 |
| | DAFTAR PUSTAKA | 57 |
| | LAMPIRAN A | 59 |
| | LAMPIRAN B | 61 |