

DAFTAR ISI

HALAMAN PERNYATAAN KEASLIAN SKRIPSI.....	ii
HALAMAN PENGESAHAN	iii
KATA PENGANTAR.....	iv
HALAMAN PERNYATAAN PERSETUJUAN PUBLIKASI SKRIPSI	v
ABSTRAK.....	vi
ABSTRACT	vii
DAFTAR ISI	viii
BAB I PENDAHULUAN	1
1.1 Latar Belakang.....	1
1.2 Rumusan Masalah.....	2
1.3 Tujuan Penelitian	3
1.4 Manfaat Penelitian	3
1.5 Ruang Lingkup	3
1.6 Sistematika Penelitian.....	4
BAB II TINJAUAN PUSTAKA	6
2.1 Studi Pendahuluan	6
2.2 Manajemen Inventaris.....	9
2.3 Aplikasi Berbasis <i>Web</i>	10
2.4 <i>Laravel Framework</i>	11
2.5 Basis Data	12
2.6 <i>ICONIX Process</i>	13
2.6.1 Perancangan <i>GUI Storyboard</i>	14
2.6.2 <i>Dynamic Modeling</i>	14
2.6.3 <i>Static Modeling</i>	14
2.6.4 Pengembangan dan Pengujian.....	14
2.6.5 <i>Milestone</i>	15
2.7 <i>Unified Modeling Language</i>	18

2.7.1 <i>Activity Diagram</i>	18
2.7.2 <i>Use Case Diagram</i>	20
2.7.3 <i>Domain Model</i>	21
2.7.4 <i>Robustness Diagram</i>	22
2.7.5 <i>Sequence Diagram</i>	24
2.7.6 <i>Class Diagram</i>	26
2.8 <i>Pengujian Black Box</i>	27
BAB III METODOLOGI PENELITIAN	29
3.1 <i>Studi Pendahuluan</i>	30
3.2 <i>Requirements</i>	30
3.2.1 <i>Requirements Elicitation</i>	30
3.2.2 <i>Perancangan Proses Bisnis</i>	30
3.2.3 <i>Perancangan GUI Storyboard</i>	31
3.2.4 <i>Review GUI Storyboard bersama End User</i>	31
3.2.5 <i>Domain Model</i>	31
3.2.6 <i>Use Case Modeling</i>	32
3.2.7 <i>Milestone 1: Requirement Review</i>	32
3.3 <i>Preliminary Design</i>	32
3.3.1 <i>Robustness Diagram</i>	32
3.3.2 <i>Review Robustness Diagram bersama End User</i>	33
3.3.3 <i>Update Domain Model</i>	33
3.3.4 <i>Milestone 2: Preliminary Design Review</i>	33
3.4 <i>Detailed Design</i>	34
3.4.1 <i>Perancangan Sequence Diagram</i>	34
3.4.2 <i>Review Sequence Diagram bersama End User</i>	34
3.4.3 <i>Perancangan Class Diagram</i>	34
3.4.4 <i>Milestone 3: Critical Design Review</i>	35
3.5 <i>Pengembangan dan Pengujian</i>	35

3.5.1 <i>User Interface Design</i>	35
3.5.2 <i>Review User Interface Design bersama End User</i>	36
3.5.3 Implementasi Kode Program.....	36
3.5.4 Pengujian Aplikasi Menggunakan Metode <i>Black Box</i>	36
3.6 Penulisan Laporan.....	37
BAB IV HASIL DAN PEMBAHASAN.....	38
4.1 Tahap Requirements	38
4.1.1 <i>Requirement Elicitation</i>	38
4.1.2 Perancangan Proses Bisnis	41
4.1.3 Perancangan <i>GUI Storyboard</i>	45
4.1.4 <i>Review GUI Storyboard bersama End User</i>	52
4.1.5 <i>Domain Model</i>	54
4.1.6 <i>Use Case Modeling</i>	55
4.1.7 <i>Milestone 1: Requirements Review</i>	62
4.2 Tahap <i>Preliminary Design</i>	63
4.2.1 <i>Robustness Diagram</i>	63
4.2.2 <i>Review Robustness Diagram bersama End User</i>	69
4.2.3 <i>Update Domain Model</i>	70
4.2.4 <i>Milestone 2: Preliminary Design Review</i>	71
4.3 Tahap <i>Detailed Design</i>	72
4.3.1 Perancangan <i>Sequence Diagram</i>	72
4.3.2 <i>Review Sequence Diagram bersama End User</i>	78
4.3.3 <i>Class Diagram</i>	80
4.3.4 <i>Milestone 3: Critical Design Review</i>	80
4.4 Tahap Pengembangan dan Pengujian	81
4.4.1 <i>User Interface Design</i>	82
4.4.2 <i>Review User Interface bersama End User</i>	90
4.4.3 Implementasi Basis Data.....	91

4.4.4 Implementasi Antarmuka	99
4.4.5 Implementasi <i>Back-End</i>	111
4.4.6 Pengujian <i>Black Box</i>	112
BAB V KESIMPULAN DAN SARAN	113
5.1 Kesimpulan	113
5.2 Saran	113
DAFTAR PUSTAKA.....	115
LAMPIRAN 1. Surat Keterangan Pengambilan Data	119
LAMPIRAN 2. Notulensi Hasil Wawancara	120
LAMPIRAN 3. <i>Updated Domain Model</i>	122
LAMPIRAN 4. <i>Class Diagram</i>	123
LAMPIRAN 5. Perancangan Uji <i>Black Box Testing</i>	124
LAMPIRAN 6. Hasil Pengujian <i>Black Box</i> Aplikasi	138