

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
DAFTAR TABEL	xi
DAFTAR GAMBAR.....	xiii
BAB I PENDAHULUAN	1
1.1 Latar Belakang	1
1.2 Rumusan Masalah	3
1.3 Tujuan Penelitian	4
1.4 Manfaat Penelitian	4
1.5 Ruang Lingkup.....	5
1.6 Sistematika Penulisan	5
BAB II TINJAUAN PUSTAKA	7
2.1 Penelitian Terkait	7
2.2 Sistem Informasi	8
2.3 <i>Point of Sales</i>	9
2.4 <i>ICONIX Process</i>	10
2.5 <i>Unified Modelling Language (UML)</i>	13
2.5.1 <i>Activity Diagram</i>	14
2.5.2 <i>Domain Model</i>	15
2.5.3 <i>Use Case Diagram</i>	17
2.5.4 <i>Robustness Diagram</i>	19
2.5.5 <i>Sequence Diagram</i>	19
2.5.6 <i>Class Diagram</i>	21
2.6 Aplikasi Berbasis <i>Web</i>	23
2.7 Bahasa Pemrograman PHP	24
2.8 Bahasa Pemrograman JavaScript	24

2.9	<i>Application Programming Interface</i>	25
2.10	REST API	26
2.11	<i>Framework Laravel</i>	27
2.12	<i>Framework Next.js</i>	28
2.13	Basis Data	30
2.14	Basis Data MySQL	31
2.15	Pengujian Perangkat Lunak	31
BAB III METODOLOGI PENELITIAN		33
3.1	Tahap <i>Requirements</i>	33
3.2	Tahap <i>Analysis</i>	34
3.3	Tahap <i>Detailed Design</i>	35
3.4	Tahap <i>Implementation</i>	36
BAB IV HASIL DAN PEMBAHASAN		37
4.1	<i>Requirements</i>	37
4.1.1	<i>Interview</i>	37
4.1.2	<i>Functional Requirements Identification</i>	47
4.1.3	<i>Domain Modelling</i>	48
4.1.4	<i>Behaviour Requirements Identification</i>	49
4.1.5	<i>Requirements Review</i>	83
4.2	<i>Analysis/Preliminary Design</i>	84
4.2.1	<i>Robustness Analysis</i>	85
4.2.2	<i>Updated Domain Model</i>	99
4.2.3	<i>Preliminary Design Review</i>	101
4.3	<i>Detailed Design</i>	102
4.3.1	<i>Sequence Diagramming</i>	102
4.3.2	<i>Update Domain Model to Class Diagram</i>	113
4.3.3	<i>Critical Design Review</i>	117
4.4	<i>Implementation</i>	118
4.4.1	Perangkat Implementasi	118
4.4.2	Implementasi Arsitektur	119
4.4.3	Implementasi <i>Class Diagram</i>	120
4.4.4	Implementasi Basis Data	122
4.4.5	Implementasi Antarmuka	129
4.4.6	Rencana Pengujian	150

4.4.7 Hasil Pengujian	151
BAB V KESIMPULAN DAN SARAN	152
5.1 Kesimpulan	152
5.2 Saran.....	152
DAFTAR PUSTAKA.....	153
LAMPIRAN 1. Surat Keterangan Penelitian Tugas Akhir	157
LAMPIRAN 2. Hasil Wawancara	158
LAMPIRAN 3. <i>Use Case Diagram</i> Sistem Point of Sales	162
LAMPIRAN 4. <i>Sequence Diagram</i>	163
LAMPIRAN 5. <i>Class Diagram</i>	168
LAMPIRAN 6. Rencana Pengujian	169
LAMPIRAN 7. Hasil Pengujian.....	181