

DAFTAR ISI

LEMBAR PENGESAHAN	1
LEMBAR PERNYATAAN ORISINALITAS	2
ABSTRAK	3
ABSTRACT	4
KATA PENGANTAR.....	5
DAFTAR ISI.....	6
DAFTAR GAMBAR.....	10
DAFTAR TABEL	12
1. PENDAHULUAN.....	- 1 -
1.1 Latar Belakang	- 1 -
1.2 Rumusan Masalah	- 3 -
1.3 Tujuan Penelitian	- 3 -
1.4 Batasan Penelitian	- 3 -
1.5 Manfaat Penelitian	- 4 -
1.6 Sistematika Laporan.....	- 4 -
2. TINJAUAN PUSTAKA.....	- 6 -
2.1 Studi Literatur	- 6 -
2.1.1 Aplikasi	- 6 -
2.1.2 <i>Client Server</i>	- 6 -

2.1.3	<i>Unified Modeling Language (UML)</i>	- 7 -
2.1.4	<i>Web Service</i>	- 9 -
2.1.5	RESTful API.....	- 10 -
2.1.6	Android	- 12 -
2.1.7	PHP	- 13 -
2.1.7.1	CodeIgniter	- 13 -
2.1.7.2	MVC	- 14 -
2.1.8	Database	- 15 -
2.1.8.1	<i>Structured Query Language (SQL)</i>	- 15 -
2.1.8.2	MySQL	- 16 -
2.1.8.3	Conceptual Data Model (CDM)	- 16 -
2.1.8.4	Physical Data Model (PDM)	- 16 -
2.1.9	<i>Agile Development</i>	- 17 -
2.1.9.1	Metode <i>Extreme Programming (XP)</i>	- 17 -
2.2	Alasan Pemilihan Metode	- 20 -
2.3	Penelitian Terdahulu	- 23 -
3.	METODE PENELITIAN	- 27 -
3.1	Model Konseptual Sistem	- 27 -
3.2	Sistematika Pemecahan Masalah	- 30 -
3.2.1	Tahap Identifikasi.....	- 31 -
3.2.2	Tahap Pengembangan Sistem	- 31 -

3.2.2.1	Tahap <i>Planning</i>	- 31 -
3.2.2.2	Tahap <i>Design</i>	- 32 -
3.2.2.3	Tahap <i>Coding</i>	- 32 -
3.2.2.4	Tahap <i>Testing</i>	- 33 -
3.2.3	Tahap Kesimpulan dan Saran.....	- 33 -
3.2.4	Waktu Penelitian	- 34 -
4.	ANALISIS DAN PERANCANGAN.....	- 35 -
4.1	Tahap <i>Exploration</i>	- 35 -
4.1.1	Permodelan Proses Bisnis	- 35 -
4.1.1.1	Proses Bisnis Eksisting	- 36 -
4.1.1.2	Proses Bisnis Usulan.....	- 38 -
4.1.1.3	Analisis GAP	- 39 -
4.1.2	Analisis Kebutuhan	- 40 -
4.1.2.1	Analisis Kebutuhan Non Fungsional	- 40 -
4.1.2.2	Analisis Kebutuhan Fungsional Sistem	- 42 -
4.2	<i>Planning</i>	- 42 -
4.3	<i>Iteration to Release</i>	- 43 -
4.3.1	<i>Analysis</i> dan <i>Design</i>	- 44 -
4.3.1.1	<i>Use Case Diagram</i>	- 44 -
4.3.1.2	<i>Activity Diagram</i>	- 53 -
4.3.1.3	<i>Sequence Diagram</i>	- 58 -

4.3.1.4	<i>Class Diagram</i>	- 70 -
4.3.1.5	Conceptual Data Model (CDM)	- 71 -
4.3.1.6	Physical Data Model (PDM)	- 72 -
4.3.1.7	Desain Antarmuka	- 73 -
5.	IMPLEMENTASI DAN TESTING	- 75 -
5.1	<i>Productionizing Phase</i>	- 75 -
5.1.1	Deployment Diagram.....	- 75 -
5.1.2	Implementation Component.....	- 76 -
5.2	Functional Testing.....	- 79 -
5.2.1	Pengujian Pertama.....	- 79 -
5.2.2	Pengujian Kedua	- 82 -
5.3	Acceptance Test	- 84 -
5.4	Usability Testing	- 85 -
6.	KESIMPULAN DAN SARAN	- 86 -
6.1	Kesimpulan	- 86 -
6.2	Saran.....	- 86 -
DAFTAR PUSTAKA		- 87 -
LAMPIRAN.....		- 89 -
Screenshot Aplikasi.....		- 89 -
Lampiran Test		- 93 -