

DAFTAR ISI

ABSTRAK	I
ABSTRACT	II
LEMBAR PENGESAHAN	III
LEMBAR PERNYATAAN ORISINALITAS	IV
KATA PENGANTAR.....	V
DAFTAR ISI.....	VI
DAFTAR GAMBAR.....	X
DAFTAR TABEL	XIII
DAFTAR LAMPIRAN	XIV
DAFTAR ISTILAH	XV
BAB I PENDAHULUAN	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah.....	3
I.3 Tujuan Penelitian.....	3
I.4 Batasan Penelitian	4
I.5 Manfaat Penelitian.....	4
I.6 Sistematika Penelitian	4
BAB II TINJAUAN PUSTAKA.....	6
II.1 Gudang	6
II.1.1 Fungsi Gudang	6
II.1.2 Pergudangan.....	6
II.1.3 Aktivitas Gudang	7
II.1.4 Sistem Manajemen <i>Inventory</i>	8
II.1.5 <i>Enterprise Resource Planning (ERP)</i>	8
II.1.6 <i>Key Performance Index (KPI)</i>	9

II.2	Balanced Scorecard (BSC)	10
II.3	<i>Software Development Life Cycle (SDLC)</i>	11
II.3.1	<i>Rapid Application Development (RAD)</i>	13
II.3.2	<i>System Prototyping</i>	13
II.3.3	<i>Iterative Development</i>	14
II.3.4	Throwaway Prototyping.....	15
II.4	<i>Unified Modelling Language (UML)</i>	15
II.4.2	<i>Black-box Testing</i>	20
II.4.3	<i>User Acceptance Test (UAT)</i>	20
II.4.4	<i>Model View Controller (MVC)</i>	20
II.4.5	<i>Entity Relationship Diagram (ERD)</i>	21
II.5	Penelitian Terdahulu.....	21
BAB III METODOLOGI PENELITIAN.....		23
III.1	Model Konseptual	23
III.2	Sistematika Penyelesaian Masalah	24
III.2.1	Tahap Pendahuluan	25
III.2.2	Tahap <i>Planning</i>	26
III.2.3	Tahap <i>Analysis</i>	26
III.2.4	Tahap <i>Design</i>	26
III.2.5	Tahap <i>Implementation</i>	26
III.3	Pengumpulan Data	26
III.4	Metode Evaluasi	27
III.5	Alasan Pemilihan Metode.....	27
BAB IV ANALISIS DAN PERANCANGAN.....		29
IV.1	Analisis Kebutuhan Fungsional.....	29
IV.1.1	Aktor	29

IV.2	<i>Balanced Scorecard</i>	30
IV.3	Proses Bisnis <i>Existing</i>	31
IV.3.1	Proses Bisnis <i>Inbound</i> Barang (<i>as-is</i>)	31
IV.3.2	Proses Bisnis <i>Outbound</i> Barang (<i>as-is</i>).....	32
IV.3.3	Proses Bisnis Pengawasan dan Pelaporan (<i>as-is</i>)	33
IV.4	Fit/Gap Analysis	33
IV.5	Proses Bisnis <i>Targeting</i>	38
IV.5.1	Proses Bisnis <i>Inbound</i> Barang (<i>to-be</i>).....	38
IV.5.2	Proses Bisnis Outbound Barang (<i>to-be</i>).....	39
IV.5.3	Proses Bisnis Pengawasan dan Pelaporan.....	39
IV.6	Rancangan Aplikasi.....	40
IV.6.1	<i>Use Case Diagram</i>	40
IV.6.2	<i>Use Case Scenario</i>	41
IV.6.3	<i>Activity Diagram</i>	46
IV.6.4	<i>Sequence Diagram</i>	53
IV.6.5	<i>Class Diagram</i>	57
IV.6.6	Data Model.....	58
IV.6.7	Perancangan <i>Interface</i>	61
IV.6.8	Perbaikan Rancangan	71
IV.6.9	<i>Deployment Diagram</i>	72
BAB V	IMPLEMENTASI DAN PENGUJIAN.....	73
V.1	Implementasi Sistem	73
V.1.1	<i>Deployment</i> Sistem.....	74
V.1.2	Tampilan Sistem	75
V.1.3	<i>Database</i>	84
V.2	Pengujian Sistem	84

V.2.1	<i>Black-box Testing</i>	84
V.2.2	<i>User Acceptance Testing</i> (UAT)	87
BAB VI KESIMPULAN DAN SARAN		90
VI.1	Kesimpulan.....	90
VI.2	Saran	90
DAFTAR PUSTAKA		91
LAMPIRAN		95
LAMPIRAN C HASIL PENGUJIAN APLIKASI		104