

DAFTAR ISI

ABSTRAK	i
ABSTRACT	ii
LEMBAR PENGESAHAN	iii
LEMBAR PERNYATAAN ORISINALITAS	iv
KATA PENGANTAR.....	v
DAFTAR ISI	vii
DAFTAR GAMBAR	xi
DAFTAR TABEL.....	xiv
DAFTAR LAMPIRAN	xvii
DAFTAR ISTILAH	xviii
BAB I PENDAHULUAN	1
I.1 Latar Belakang.....	1
I.2 Rumusan Masalah.....	4
I.3 Tujuan Penelitian	5
I.4 Batasan Penelitian.....	5
I.5 Manfaat Penelitian	6
I.6 Sistematika Penulisan	6
BAB II TINJAUAN PUSTAKA.....	8
II.1 <i>Enterprise Architecture</i> (EA)	8
II.2 <i>Enterprise Architecture Benefit Model</i> (EABM)	8
II.3 <i>Enterprise Architecture Framework</i> (EAF)	11
II.3.1 <i>Zachman Framework</i>	11
II.3.2 Federal Enterprise Architecture Framework (FEAF).....	12
II.3.3 The Open Group Architecture Framework (TOGAF).....	13
II.4 Perbandingan Enterprise Architecture Framework.....	13
II.5 The Open Group Architecture Framework (TOGAF)	16
II.6 Penelitian Terdahulu	17
BAB III METODOLOGI PENELITIAN	20

III.1	Model Konseptual.....	20
III.2	Sistematika Penyelesaian Masalah	21
III.3	Pengumpulan Data.....	23
III.4	Pengolahan Data atau Pengembangan Produk/Artefak.....	25
III.5	Metode Evaluasi	30
III.6	Rencana Jadwal Penelitian	30
BAB IV	PERSIAPAN DAN IDENTIFIKASI	32
IV.1	Identifikasi Objek Penelitian	32
IV.1.1	Gambaran Perusahaan	32
IV.1.2	Struktur Organisasi	33
IV.1.3	Visi dan Misi	36
IV.1.4	Core Value.....	36
IV.1.5	Rencana Pengembangan Sistem Informasi.....	37
IV.2	Kondisi Aplikasi Eksisting.....	38
IV.3	Kondisi Permasalahan Eksisting.....	40
BAB V	ANALISIS DAN PERANCANGAN.....	45
V.1	Preliminary Phase	45
V.1.1	Principles Catalog	45
V.2	Architecture Vision.....	47
V.2.1	Stakeholder Map Matrix.....	47
V.2.2	Value Chain	53
V.2.3	Solution Concept Diagram	54
V.2.4	Goal Catalog	57
V.2.5	Requirement Catalog.....	59
V.3	Business Architecture	60
V.3.1	Goal/Objective/Requirement	60
V.3.2	Business Footprint Diagram	62
V.3.3	Business Interaction Matrix.....	65
V.3.4	Functional Decomposition Diagram	68
V.3.5	Business Service/Functional Catalog	68
V.3.6	Organizational/Actor Catalog	69
V.3.7	Actor/Role Matrix	70
V.3.8	Process Flow Diagram.....	73

V.3.9	GAP Analysis Business Architecture.....	114
V.4	Information System Architecture	115
V.4.1	Data Architecture	115
V.4.1.1	Data Architecture Requirement Catalog.....	116
V.4.1.2	Data Entity/Data Component Catalog	116
V.4.1.3	Data Entity/Business Function Matrix	118
V.4.1.4	Application/Data Matrix.....	121
V.4.1.5	Conceptual Data Diagram.....	122
V.4.1.6	Logical Data Diagram	124
V.4.1.7	Data Dissemination Diagram.....	126
V.4.1.8	GAP Analysis Data Architecture.....	128
V.4.2	Application Architecture	129
V.4.2.1	Application Architecture Requirement Catalog	129
V.4.2.2	Application Portfolio Catalog	130
V.4.2.3	Application Interface Catalog	131
V.4.2.4	Application/Organization Matrix	132
V.4.2.5	Application/Role Matrix	133
V.4.2.6	Application/Function Matrix	135
V.4.2.7	Application Interaction Matrix.....	137
V.4.2.8	Application Communication Diagram.....	138
V.4.2.9	Application Use Case Diagram.....	140
V.4.2.10	GAP Analysis Application Architecture	148
V.5	Technology Architecture.....	149
V.5.1	Technology Architecture Requirement Catalog.....	150
V.5.2	Technology Standards Catalog	150
V.5.3	Technology Portfolio Catalog	152
V.5.4	Application/Technology Matrix.....	156
V.5.5	Environments and Location Diagram.....	157
V.5.6	GAP Analysis Technology Architecture	159
V.6	Opportunities and Solutions	160
V.6.1	Implementation Factor Assessment and Deduction Matrix.....	160
V.6.2	Consolidate Gap, Solution, Dependencies Matrix	163
V.6.3	Work Package Identification Catalog.....	172

V.6.4	Project Context Diagram	175
V.6.5	Benefit Diagram.....	175
V.7	Migration Planning	177
V.7.1	Invesment Valuation	177
V.7.2	Estimate Value and Risk	184
V.7.3	Business Value Assessment.....	186
V.7.4	Project Prioritization	186
V.7.5	IT Roadmap	188
V.8	Evaluasi.....	190
BAB VI	KESIMPULAN DAN SARAN	194
VI.1	Kesimpulan.....	194
VI.2	Saran	195
DAFTAR PUSTAKA	196	
LAMPIRAN	200	