

## DAFTAR ISI

Abstrak	ii
<i>Abstract</i>	iii
Lembar Pengesahan	iv
Lembar Pernyataan Orisinilitas	v
Kata Pengantar	vi
Daftar Isi	viii
Daftar Gambar	xiii
Daftar Tabel	xvi
Daftar Lampiran	xviii
Daftar Istilah	xix
Bab I Pendahuluan	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah	4
I.3 Tujuan Penelitian	4
I.4 Batasan Penelitian	4
I.5 Manfaat Penelitian	5
I.6 Sistematika Penelitian	5
BAB II Tinjauan Pustaka	7
II.1 <i>Architecture</i>	7
II.2 <i>Enterprise Architecture</i>	7
II.3 <i>Enterprise Architecture Framework</i>	8
II.3.1 <i>Federal Enterprise Architecture Framework (FEAF)</i>	9
II.3.2 <i>Zachman Frameworks</i>	11
II.3.3 <i>The Open Group Architecture Framework</i>	13
II.3.4 <i>Gartner Framework</i>	15

II.3.5	<i>The Department of Defense Architecture Framework (DoDAF)</i>	16
II.4	Perbandingan Antar <i>Enterprise Architecture Frameworks</i>	18
II.5	<i>Business Planning</i>	21
II.6	<i>Business Performance</i>	21
II.7	Penelitian Terdahulu	22
Bab III	Metodologi Penelitian	25
III.1	Metode Konseptual	25
III.2	Sistematika Penelitian	27
III.2.1	Tahap Inisiasi	31
III.2.2	Tahap Identifikasi	31
III.2.3	Tahap Analisis dan Perancangan	31
III.2.4	Tahap Kesimpulan dan Saran	34
III.2.5	Sistematika Penyelesaian Masalah	36
III.3	Pengumpulan Data	42
III.3.1	Data Primer	42
III.3.2	Data Sekunder	43
III.4	Metode Evaluasi	43
Bab IV	Identifikasi dan Persiapan	44
IV.1	Identifikasi Objek Penelitian	44
IV.2	Profil Perusahaan	45
IV.2.1	Visi Perusahaan	45
IV.2.2	Misi Perusahaan	45
IV.2.3	Nilai Perusahaan	46
IV.2.4	<i>Key Performance Indicator</i>	46
IV.3	Rencana Jangka Panjang	47
IV.4	Struktur Organisasi	48

IV.5	Kondisi Aplikasi Eksisting	50
IV.6	Proses Bisnis Eksisting	51
IV.7	Permasalahan Eksisting	51
Bab V	ANALISIS DAN PERANCANGAN	53
V.1	<i>Preliminary Phase</i>	53
V.1.1	<i>Principle Catalog</i>	53
V.2	<i>Architecture Vision</i>	67
V.2.1	<i>Stakeholder Map Matrix</i>	67
V.2.2	<i>Value Chain Diagram</i>	73
V.2.3	<i>Solution Concept Diagram</i>	74
V.2.4	<i>Goal Diagram</i>	74
V.2.5	<i>Goal Catalog</i>	75
V.2.6	<i>Requirement Catalog</i>	82
V.3	<i>Business Architecture</i>	85
V.3.1	<i>Business Architecture Requirements</i>	85
V.3.2	<i>Business Footprint Diagram</i>	86
V.3.3	<i>Goal/Objective/Requirement Catalog</i>	89
V.3.4	<i>Business Interaction Matrix</i>	90
V.3.5	<i>Functional Decomposition Diagram</i>	125
V.3.6	<i>Business Service/Function Catalog</i>	125
V.3.7	<i>Organization/Actor Catalog</i>	126
V.3.8	<i>Role Catalog</i>	127
V.3.9	<i>Actor/Business Process Matrix</i>	134
V.3.9.1	<i>Process/Event/Control/Product Catalog</i>	136
V.3.10	<i>Service Catalog</i>	141
V.3.11	<i>Organizational Process Diagram</i>	142

V.3.11.1	<i>Business Process Overview Diagram</i>	144
V.3.11.2	<i>Process Flow Diagram</i>	147
V.3.11.2.1	<i>Process Flow Eksisting Diagram</i>	147
V.3.11.2.2	<i>Process Flow Target Diagram</i>	151
V.3.12	<i>Gap Analysis Business Architecture</i>	153
V.4	<i>Information System Architecture</i>	155
V.4.1	<i>Data Architecture</i>	155
V.4.1.1	<i>Data Architecture Requirement</i>	155
V.4.1.2	<i>Data Entity/Data Component Catalog</i>	156
V.4.1.3	<i>Data Entity/Business Function Matrix</i>	158
V.4.1.4	<i>Application/Data Matrix</i>	159
V.4.1.5	<i>Conceptual Data Diagram</i>	161
V.4.1.6	<i>Logical Data Diagram</i>	163
V.4.1.7	<i>Data Dissemination Diagram</i>	166
V.4.1.8	<i>Gap Analysis Data Architecture</i>	168
V.4.2	<i>Application Architecture</i>	170
V.4.2.1	<i>Application Architecture Requirement</i>	170
V.4.2.2	<i>Application Portfolio Catalog</i>	170
V.4.2.3	<i>Application Interface Catalog</i>	171
V.4.2.4	<i>Application/Function Matrix</i>	172
V.4.2.5	<i>Application/Role Matrix</i>	174
V.4.2.6	<i>Application Interaction Matrix</i>	175
V.4.2.7	<i>Application Communication Diagram</i>	176
V.4.2.8	<i>Application Use Case Diagram</i>	177
V.4.2.9	<i>Gap Analysis Application Architecture</i>	178
V.5	<i>Technology Architecture</i>	180

V.5.1	<i>Technology Architecture Requirement</i>	180
V.5.2	<i>Technology Standard Catalog</i>	181
V.5.3	<i>Technology Portofolio Catalog</i>	182
V.5.4	<i>Application/Technology Matrix</i>	187
V.5.5	<i>Environment and Location Diagram</i>	187
V.5.6	<i>Platform Decomposition Diagram</i>	189
V.5.7	<i>Gap Analysis Technology Architecture</i>	189
V.6	<i>Opportunities and Solution</i>	190
V.6.1	<i>Implementation Factor Assessment and Deduction Matrix</i>	191
V.6.2	<i>Consolidate Gaps and Solutions Matrix</i>	193
V.6.3	<i>Consolidate and Reconcile Interoperability Requirements</i>	198
V.6.4	<i>Project Catalog</i>	199
V.6.5	<i>Project Context Diagram</i>	200
V.6.6	<i>Benefit Diagram</i>	202
V.7	<i>Migration Planning</i>	203
V.7.1	<i>Estimate Value and Risk</i>	203
V.7.2	Valuasi Investasi Proyek TI	205
V.7.3	<i>Business Value Assesment</i>	205
V.7.4	Prioritas Pembangunan Proyek	206
V.7.5	<i>IT Roadmap</i>	207
Bab VI	KESIMPULAN DAN SARAN	209
VI.1	Kesimpulan	209
VI.2	Saran	210
	Daftar Pustaka	212
	Lampiran	216