

DAFTAR ISI

LEMBAR PERNYATAAN ORISINALITAS	2
LEMBAR PENGESAHAN	3
ABSTRAK	4
ABSTRACT	5
KATA PENGANTAR	6
DAFTAR ISI	7
DAFTAR GAMBAR	10
DAFTAR TABEL	11
DAFTAR ISTILAH	13
BAB I PENDAHULUAN	14
I.1 Latar Belakang	14
I.2 Perumusan Masalah	17
I.3 Tujuan Penelitian	17
I.4 Batasan Penelitian	17
I.5 Manfaat Penelitian	18
I.6 Sistematika Penelitian	18
BAB II TINJAUAN PUSTAKA	21
II.1 Penelitian Terdahulu	21
II.2 Enterprise Architecture	23
II.3 The Open Group Architecture Framework (TOGAF)	24
II.4 The Open Group Architecture Framework Architecture Development Method (TOGAF ADM)	25
II.5 Perbandingan Antar Framework	28
II.6 Alasan Pemilihan Teori, Kerangka Kerja, atau Mekanisme	29
BAB III METODE PENELITIAN	31
III.1 Konseptual Model	31
III.2 Sistematika Penyelesaian Masalah	32
III.3 Pengumpulan Data	37
III.4 Observasi	38
III.5 Wawancara	38
III.5 Studi Literatur	38
III.6 Pengolahan Data atau Pengembangan Produk / Artifak	38
III.7 Metode Evaluasi	39
III.8 Alasan Pemilihan Metode	39
BAB IV PERSIAPAN DAN IDENTIFIKASI	40
IV.1 Deskripsi Objek Penelitian	40
IV.2 Gambaran Objek Penelitian	42
IV.2.1 Visi dan Misi Perusahaan	42
IV.2.2 Struktur Organisasi	43
IV.3 Rencana Strategis Bisnis	44
IV.4 Identifikasi Sistem Informasi <i>Existing</i>	44

IV.4.1	Identifikasi Aplikasi <i>Existing</i>	44
IV.4.2	Identifikasi Teknologi <i>Existing</i>	45
IV.4.3	Identifikasi Proses Bisnis <i>Existing</i>	46
IV.4.4	Identifikasi Permasalahan <i>Existing</i>	47
BAB V	ANALISIS DAN PERANCANGAN	48
V.1	Preliminary Phase	48
V.1.1	Principle Catalog	48
V.2	Architecture Vision	50
V.2.1	Stakeholder Map	50
V.2.2	Value Chain	55
V.2.6	Requirement Catalog	59
V.3	Business Architecture	60
V.3.1	Business Architecture Requirement	61
V.3.2	Business Footprint Diagram	61
V.3.3	<i>Goal/Objective/Requirement Catalog</i>	63
V.3.4	Business Interaction Matrix	65
V.3.5	Functional Decomposition Diagram	69
V.3.6	Business Service/Function Catalog	69
V.3.7	Organization/Actor Catalog	71
V.3.8	Role Catalog	73
V.3.9	Actor/Role Matrix	76
V.3.10	<i>Proses/Event/Control/Product Catalog</i>	78
V.3.11	<i>Service Catalog</i>	79
V.3.12	<i>Process Flow Diagram</i>	80
V.3.12.1	Process Flow Diagram Existing	80
V.3.12.2	Process Flow Diagram Targeting	90
V.3.13	GAP Analysis Business Architecture	97
V.4	<i>Information System Architecture</i>	98
V.4.1	<i>Data Architecture</i>	99
V.4.1.1	<i>Data Architecture Requirement Catalog</i>	99
V.4.1.2	<i>Data Entity/Data Component Catalog</i>	99
V.4.1.3	<i>Data Entity/Business Function Matrix</i>	102
V.4.1.4	<i>Application/Data Matrix</i>	105
V.4.1.5	<i>Conceptual Data Diagram</i>	106
V.4.1.6	<i>Logical Data Diagram</i>	112
V.4.1.7	<i>Data Dissemination Diagram</i>	116
V.4.1.8	<i>GAP Analysis Data Architecture</i>	116
V.4.2	<i>Application Architecture</i>	121
V.4.2.1	<i>Application Architecture Requirement Catalog</i>	121
V.4.2.2	<i>Application Portfolio Catalog</i>	121
V.4.2.3	<i>Application Interface Catalog</i>	122
V.4.2.4	<i>Application/Function Matrix</i>	123
V.4.2.5	<i>Application/Role Matrix</i>	123

V.4.2.6	<i>Application Interaction Matrix</i>	125
V.4.2.7	<i>Application Communication Diagram</i>	126
V.4.2.9	<i>GAP Analysis Application Architecture</i>	132
V.5	<i>Technology Architecture</i>	133
V.5.1	<i>Technology Architecture Requirement Catalog</i>	133
V.5.2	<i>Technology Standart Catalog</i>	133
V.5.3	<i>Technology Portfolio Catalog</i>	135
V.5.4	<i>Application/Technology Matrix</i>	140
V.5.5	<i>Environment and Location Diagram</i>	141
V.5.6	<i>Platform Decomposition Diagram</i>	142
V.5.7	<i>GAP Analysis Technology Architecture</i>	142
V.6	<i>Opportunities and Solution</i>	143
V.6.1	<i>Implementation Factor Assessment and Deduction Matrix</i>	143
V.6.2	<i>Consolidate Gap Solution and Dependencies Matrix</i>	145
V.6.3	<i>Consolidate and Reconcile Interoperability Requirement</i>	150
V.6.4	<i>Project Catalog</i>	153
V.6.5	<i>Project Context Diagram</i>	155
V.6.6	<i>Benefit Diagram</i>	156
BAB VIKESIMPULAN DAN SARAN	158
VI.1	Kesimpulan	158
DAFTAR PUSTAKA	160
Lampiran	163