

DAFTAR ISI

LEMBAR PENGESAHAN	i
LEMBAR PERNYATAAN ORISINALITAS	ii
ABSTRAK	iii
KATA PENGANTAR	v
DAFTAR ISI	vii
DAFTAR LAMPIRAN	x
DAFTAR GAMBAR DAN ILUSTRASI	xi
DAFTAR TABEL.....	xiii
DAFTAR SINGKATAN.....	xiv
BAB I. PENDAHULUAN	1
I.1 Latar Belakang.....	1
I.2 Rumusan Masalah.....	3
I.3 Tujuan Penelitian	3
I.4 Manfaat Penelitian	3
I.5 Batasan Penelitian.....	4
I.6 Sistematika Penelitian	4
Bab II TINJAUAN PUSTAKA.....	6
II.1 Enterprise Architecture	6
II.2 <i>Enterprise Architecture Framework</i>	7
II.2.1 <i>Federal Enterprise Architecture Framework (FEAF)</i>	8
II.2.2 Zachman.....	8
III.1 TOGAF	9
III.2 Komponen TOGAF	9
III.3 Domain Utama TOGAF.....	11
III.4 TOGAF ADM	11
II.3 Analisis Perbandingan Framework TOGAF dan Framework Lain	14
II.4 Sistem Pemerintahan Berbasis Elektronik (SPBE).....	15
II.5 Web Server.....	15
BAB III. METODOLOGI PENELITIAN.....	16
III.1 Metode Design Science Research	16
III.2 Model Konseptual	17

III.3	Sistematika Penelitian	19
III.2.1	Tahap Inisiasi	21
III.2.2	Tahap Identifikasi	22
III.2.3	Tahap Analisis dan Perancangan.....	22
III.2.4	Tahap Kesimpulan dan Saran.....	24
BAB IV.	PERSIAPAN DAN IDENTIFIKASI	29
VI.1	Identifikasi Kebutuhan Data	29
VI.2	Metode Pengumpulan Data.....	31
VI.3	Deksripsi Objek Penelitian	31
VI.3.1	Gambaran Umum Organisasi	32
VI.3.2	Struktur Organisasi	33
VI.3.3	Visi dan Misi	34
VI.4	Rencana Strategi.....	35
VI.5	Kondisi Aplikasi Existing	36
VI.6	Proses Bisnis <i>Existing</i>	36
VI.7	Permasalahan Existing.....	45
V.1	<i>Preliminary Phase</i>	46
V.1.1	<i>Principle Catalog</i>	46
V.2	Architecture Vision.....	56
V.2.1	<i>Stakeholder Map Matrix</i>	56
V.2.2	<i>Value Chain Diagram</i>	71
V.2.3	<i>Solution Concept Diagram</i>	72
V.3	<i>Business Architecture</i>	74
V.3.1	<i>Business Architecture Requirement</i>	74
V.3.2	<i>Business Footprint Diagram</i>	75
V.3.3	<i>Goal/Objective/Requirement Catalog</i>	75
V.3.4	<i>Process / Event/ Control/ Product Catalog</i>	76
V.3.5	<i>Business Interaction Matrix</i>	79
V.3.6	<i>Function Decomposition Diagram</i>	95
V.3.7	<i>Business Service/Function Catalog</i>	95
V.3.8	<i>Organizational/Actor Catalog</i>	97
V.3.9	<i>Role Catalog</i>	98
V.3.10	<i>Actor/Role Matrix</i>	102
V.3.11	Process Flow Diagram.....	104
V.3.12	<i>Gap Analysis Business Architecture</i>	116
V.4	<i>Information System Architecture</i>	119

V.4.1	<i>Data Architecture</i>	119
V.4.1.1	<i>Data Architecture Requirement</i>	119
V.4.1.2	<i>Data Entity/ Data Component Catalog</i>	120
V.4.1.3	<i>Data Entity/ Business Function matrix</i>	122
V.4.1.4	<i>Application/Data Matrix</i>	124
V.4.1.5	<i>Conceptual Data Diagram</i>	126
V.4.1.6	<i>Logical Data Diagram</i>	127
V.4.1.7	<i>Data Dissemination Diagram</i>	127
V.4.1.8	<i>Database Security</i>	128
V.4.1.9	<i>GAP Analysis Data Architecture</i>	130
V.5	<i>Application Architecture</i>	132
V.5.1	<i>Application Architecture Requirement</i>	132
V.5.2	<i>Application Portfolio Catalog</i>	133
V.5.3	<i>Application Interface Catalog</i>	134
V.5.4	<i>Application/Function Matrix</i>	134
V.5.5	<i>Application/Role Matrix</i>	135
V.5.6	<i>Application Interaction Matrix</i>	136
V.5.7	<i>Application Communication Diagram</i>	138
V.5.8	<i>Application Use Case Diagram</i>	139
V.5.9	<i>Web Based Application Security</i>	143
V.5.10	<i>GAP Analysis Architecture Aplikasi</i>	146
V.6	<i>Technology Architecture</i>	147
V.6.1	<i>Technology Architecture Requirement</i>	147
V.6.2	<i>Technology Standard Catalog</i>	147
V.6.3	<i>Technology Portfollio Catalog</i>	149
V.6.4	<i>Application/Technology Matrix</i>	153
V.6.5	<i>Environment and Location Diagram</i>	154
V.6.6	<i>Platform Decomposition Diagram</i>	155
V.6.7	<i>Infrastructure Security</i>	156
V.6.8	<i>Gap Analysis Technology Architecture</i>	158
V.6.9	<i>Integrasi Perancangan Enterprise Architecture SPBE</i>	160
BAB VI.	<i>Kesimpulan dan Saran</i>	161
DAFTAR PUSTAKA	163
LAMPIRAN	164