DAFTAR ISI

ABSTRAK i

ABSTRACT iii

LEMBAR PENGESAHAN v

LEMBAR PERNYATAAN ORISINALITAS vi

Kata Pengantar vii

DAFTAR ISI ix

DAFTAR GAMBAR xiv

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 Penulisan 5

Bab II TINJAUAN PUSTAKA 8

II.1 Penelitian Terdahulu 8

II.2 *Enterprise Architecture* 14

II.3 Perbandingan *Framework Enterprise architecture* 15

II.4 Alasan Pemilihan Framework 17

II.5 *Framework* TOGAF ADM 17

Bab III METODE PENELITIAN 21

III.1 Sistematika Penyelesaian Masalah 21

III.2 Pengumpulan Data 24
III.3 Pengolahan Data 24
III.4 Metode Evaluasi 25
III.5 Alasan Pemilihan Metode 25
III.6 Jadwal Kegiatan 26
Bab IV PERSIAPAN DAN IDENTIFIKASI 28
IV.1 Deskripsi Objek Penelitian 28
IV.2 Gambaran Perusahaan 28
IV.3 Struktur Organisasi 29
IV.4 Visi dan Misi 30
IV.4.1 Visi 31
IV.4.2 Misi 31
IV.5 Rencana Strategis 31
IV.6 Identifikasi Permasalahan 35
Bab V ANALISIS DAN PERANCANGAN 36
V.1 Rekapitulasi Data 36
V.2 Fase *Preliminary* 38
V.2.1 *Principle Catalog* 38
V.3 Architecture Vision 40
V.3.1 *Stakeholder Map Matrix* 40
V.3.2 *Value Chain Diagram* 44
V.3.3 *Solution Concept Diagram* 45
V.3.4 *Goal Diagram* 48
V.3.5 *Goal Catalog* 49
V.3.6 *Requirement Catalog* 52
V.4 *Business Architecture* 53

V.4.1 *Business Requirement* 54
V.4.2 *Business Footprint Diagram* 55
V.4.3 *Organization/Actor Catalog* 56
V.4.4 *Role Catalog* 60
V.4.5 *Actor/Role Matrix* 67
V.4.6 *Business Interaction Matrix* 70
V.4.7 *Functional Decomposition Diagram* 75
V.4.8 *Business Service/Function Catalog* 76
V.4.9 *Business Process Catalog* 77
V.4.10 *Process Flow Diagram Existing* 78
V.4.11 *Process Flow Diagram Targeting* 87
V.4.12 *GAP Analysis Business Architecture* 97
V.5 *Data Architecture* 100
V.5.1 *Data Requirement Catalog* 100
V.5.2 *Data Entity/Data Component Catalog* 101
V.5.3 *Data Entity/Business Function Matrix* 104
V.5.4 *Application/Data Matrix* 107
V.5.5 *Entity Relationship Diagram* 108
V.5.6 *Class Diagram* 115
V.5.7 *Data Dissemination Diagram* 115
V.5.8 *GAP Analysis Data Architecture* 117
V.6 *Application Architecture* 120
V.6.1 *Application Requirement Catalog* 120
V.6.2 *Application Portfolio Catalog* 120
V.6.3 *Application Interface Catalog* 121
V.6.4 *Application/Organization Matrix* 122

V.6.5 *Application/Function Matrix* 123
V.6.6 *Application/Role Matrix* 124
V.6.7 *Application Interaction Matrix* 126
V.6.8 *Application Communication Diagram* 127
V.6.9 *Application Use Case Diagram* 128
V.6.10 *GAP Analysis Application Architecture* 132
V.7 *Technology Architecture* 134
V.7.1 *Technology Requirement Catalog* 134
V.7.2 *Technology Standard Catalog* 135
V.7.3 *Technology Portfolio Catalog* 136
V.7.4 *Application/Technology Matrix* 141
V.7.5 *Environments and Locations Diagram* 142
V.7.6 *Platform Decomposition Diagram* 143
V.7.7 *GAP Analysis Technology Architecture* 143
V.8 Opportunities and Solutions 148
V.8.1 GAP Analysis 148
V.8.2 Implementation Factor Asssesment and Deduction Matrix 152
V.8.3 *Consolidate GAPs* 155
V.8.4 *Project Catalog* 158
V.8.5 *Project Context Diagram* 160
V.8.6 *Benefit Diagram* 160
V.8.7 Prioritas Pembangunan Proyek 161
V.8.8 *Architecture Roadmap* 162
Bab VI Kesimpulan dan saran 168
VI.1 Kesimpulan 168
VI.2 Saran 169

Daftar Pustaka 171

LAMPIRAN 174

Blueprint 174

Form Evaluasi 176