DAFTAR ISI

ABSTRAK i

ABSTRACT ii

LEMBAR PENGESAHAN iii

LEMBAR PERNYATAAN ORISINALITAS iv

KATA PENGANTAR v

DAFTAR ISI vii

DAFTAR GAMBAR xi

DAFTAR TABEL xiii

DAFTAR LAMPIRAN xvi

DAFTAR ISTILAH xvii

Bab I PENDAHULUAN 1

I.1 Latar Belakang 1

I.2 Rumusan Masalah 5

I.3 Tujuan Penelitian 6

I.4 Batasan Penelitian 6

I.5 Manfaat Penelitian 6

Bab II TINJAUAN PUSTAKA 8

II.1 Enterprise Architecture 8

II.1.1 Manfaat Enterprise Architecture 9

II.2 Enterprise Architecture Framework 10

II.3 Perbandingan Antar Enterprise Architecture Frameworks 11

II.4 Alasan Pemilihan EA Framework 13

II.5 The Open Group Architecture Framework (TOGAF) 14

II.5.1 Domain Architecture pada The Open Group Architecture Framework (TOGAF) 14

II.5.2 Pendekatan ADM pada TOGAF 15
II.6 Penelitian Terdahulu 18
Bab III METODOLOGI PENELITIAN 26
III.1 Model Konseptual 26
III.2 Sistematika Penyelesaian Masalah 28
III.3 Pengumpulan Data 32
III.4 Pengolahan Data 35
III.5 Metode Evaluasi 43
Bab IV PERSIAPAN DAN IDENTIFIKASI 44
IV.1 Deskripsi Objek Penelitian 44
IV.2 Gambaran Perusahaan 44
IV.3 Struktur Organisasi 47
IV.4 Visi dan Misi 48
IV.4.1 Visi 48
IV.4.2 Misi 48
IV.5 Corporate Values 48
IV.6 Rencana Strategis/Rencana Pengembangan Sistem Informasi 49
IV.7 Kondisi Aplikasi Eksisting 49
IV.8 Permasalahan Eksisting Perusahaan 51
Bab V ANALISIS DAN PERANCANGAN 55
V.1 Preliminary Phase 55
V.1.1 Scope The Enterprise Organization Impacted 55
V.1.2 Principle Catalog 56
V.2 Architecture Vision 58
V.2.1 Stakeholder Map Matrix 58
V.2.2 Value Chain Diagram 64

V.2.3 Solution Concept Diagram 66
V.2.4 Goal Catalog 66
V.2.5 Requirement Catalog 72
V.3 Business Architecture 73
V.3.1 Goal/Objective/Requirement Catalog 73
V.3.2 Business Footprint Diagram 75
V.3.3 Business Interaction Matrix 77
V.3.4 Functional Decomposition Diagram 80
V.3.5 Business Service/Functional Catalog 80
V.3.6 Organizational/Actor Catalog 81
V.3.7 Actor/Role Matrix 82
V.3.8 Process Flow Diagram 83
V.3.9 Gap Analysis Business Architecture 111
V.4 Information System Architecture 112
V.4.1 Data Architecture 112
V.4.2 Application Architecture 135
V.5 Technology Architecture 150
V.5.1 Technology Architecture Requirement 151
V.5.2 Technology Standards Catalog 151
V.5.3 Technology Portfolio Catalog 152
V.5.4 Application/Technology Matrix 156
V.5.5 Environment and Locations Diagram 157
V.5.6 Platform Decomposition Diagram 159
V.5.7 Gap Analysis Technology Architecture 159
V.6 Opportunities and Solutions 161
V.6.1 Implementation Factor Assessment and Deduction Matrix 161

V.6.2 Consolidate Gaps, Solution, and Dependencies Matrix 165
V.6.3 Work Packages Identification Catalog 177
V.6.4 Project Context Diagram 181
V.6.5 Benefits Diagram 181
V.7 Migration Planning 183
V.7.1 Investment Valuation 183
V.7.2 Estimate Value and Risk 193
V.7.3 Business Value Assessment 199
V.7.4 Project Prioritization 200
V.7.5 Architecture Roadmap 202
V.8 Evaluasi 205
Bab VI KESIMPULAN DAN SARAN 208
VI.1 Kesimpulan 208
VI.2 Saran 210
DAFTAR PUSTAKA 211
LAMPIRAN 215