DAFTAR ISI

Abstrak ..... ***i***

Abstract ..... ***ii***

Lembar Pengesahan ..... ***iii***

Lembar Pernyataan Orisinalitas ..... ***iv***

Kata Pengantar ..... ***v***

Daftar GAMBAR ..... ***xi***

Daftar Tabel ..... ***xiii***

Daftar Istilah ..... ***xv***

Bab I Pendahuluan ***1***

I.1 Latar Belakang **1**

I.2 Perumusan Masalah **6**

I.3 Tujuan Penelitian **6**

I.4 Batasan Penelitian **7**

I.5 Manfaat Penelitian **7**

Bab II Tinjauan Pustaka ***8***

II.1 *Enterprise Architecture* (EA) **8**

II.2 *Framework* Arsitektur *Enterprise* **9**

II.2.1 Zachman *Framework* 10

II.2.2 *Federal Enterprise Architecture Framework* (FEAF) 11

II.2.3 Gartner *Framework* 12

II.2.4 The Open Group Framework (TOGAF) 13

II.3 Alasan Pemilihan Teori, Kerangka Kerja, atau Mekanisme **16**

II.4 Penelitian Terdahulu **17**

Bab III Metodologi Penelitian ***21***

III.1 Model Konseptual 21

III.2 Sistematika Penelitian 23

III.2.1 Tahap Inisiasi 28

III.2.2 Tahap Identifikasi 28

III.2.3 Tahap Analisis dan Perancangan 28

III.2.4 Tahap Kesimpulan dan Saran 30

III.3 Pengumpulan Data 31

III.4 Metode Evaluasi 33

III.5 Alasan Pemilihan Metode 33

Bab IV IDENTIFIKASI dan persiapan 35

IV.1 Identifikasi Objek Penelitian 35

IV.1.1 Profil Objek Penelitian 35

IV.1.2 Visi DLHK Kota Bandung 36

IV.1.3 Misi DLHK Kota Bandung 37

IV.1.4 Struktur Organisasi DLHK Kota Bandung 38

IV.1.5 Rencana Strategis 39

IV.2 Identifikasi Data 41

IV.3 Aplikasi Existing 42

IV.4 Proses Bisnis Existing 43

IV.5 Permasalahan *Existing* 45

Bab V ANALISIS DAN PERANCANGAN 47

V.1 Preliminary Phase 47

V.1.1 Principle Catalog 47

V.2 Architecture Vision 56

V.2.1 Stakeholder Map Matrix 56

V.2.2 Value Chain 66

V.2.3 Solution Concept Diagram 67

V.2.4 Goal Diagram 68

V.2.5 Goal Catalog 69

V.2.6 Requirement Catalog 73

V.3 Business Architecture 74
V.3.1 Business Architecture Requirement 74
V.3.2 Business Footprint Diagram 75
V.3.3 Goal/Objective/Requirement Catalog 76
V.3.4 Business Interaction Matrix 77
V.3.5 Functional Decomposition Diagram 79
V.3.6 Business Service/Function Catalog 81
V.3.7 Organization/Actor Catalog 83
V.3.8 Role Catalog 84
V.3.9 Actor/Role Matrix 92
V.3.10 Process Flow Diagram/Proses Bisnis 96
V.3.11 Process Flow Diagram Target 102
V.3.12 Gap Analysis Business 107
V.4 Information System Architecture 114
V.4.1 Data Architecture 114
V.4.2 Application Architecture 145
V.5 Technology Architecture 157
V.5.1 Technology Architecture Requirement 157
V.5.2 Technology Standard Catalog 158
V.5.3 Technology Portfolio Catalog 159
V.5.4 Application / Technology Matrix 160
V.5.5 Environment and Location Diagram 161
V.5.6 Platform Decomposition Diagram 163
V.5.7 Gap Analysis Technology Architecture 163
V.6 Opportunities and Solution 167
V.6.1 Implementation Factor Assessment and Deduction Matrix 167
V.6.2 Consolidate Gap, Solutions, and Dependencies Matrix 172
V.6.3 Consolidate and Reconcile Interoperability Requirements 177
V.6.4 Project Catalog 179
V.6.5 Project Context Diagram 181
V.6.6 Benefit Diagram 182
V.7 Migration Planning 184
V.7.1 Estimate Value and Risk Estimate 184
V.7.2 Valuasi Investasi Penelitian TI 186
V.7.3 Business Value Assessment 186

V.7.4 Prioritas Pembangunan Penelitian 187
V.7.5 IT Roadmap 188

Bab VI KESIMPULAN DAN SARAN 190

VI.1 Kesimpulan 190

VI.2 Saran 192

DAFTAR PUSTAKA 193

LAMPIRAN 196

1. Lampiran Surat Persetujuan Pelaksanaan Penelitian dan Keperluan Data Tugas Akhir 196
2. Lampiran Validasi dan Verifikasi Perancangan *Enterprise Architecture* (EA) 198
3. Lampiran Foto 200
4. Lampiran Blueprint EA 202