DAFTAR ISI

LEMBAR PENGESAHAN ii

LEMBAR PERNYATAAN ORSINALITAS iii

ABSTRAK iv

ABSTRACT v

KATA PENGANTAR vi

DAFTAR ISI vii

DAFTAR GAMBAR xi

DAFTAR TABEL xiii

DAFTAR ISTILAH xv

BAB I PENDAHULUAN 16

I.1 Latar Belakang 16

I.2 Perumusan Masalah 21

I.3 Tujuan Penelitian 21

I.4 Batasan Penelitian 21

I.5 Manfaat Penelitian 22

I.6 Sistematika Pelaporan 22

BAB I I TINJAUAN PUSTAKA 24

II.1 Implementasi *Enterprise Architecture* 24

II.2 Pemanfaatan *Enterprise Architecture* pada Pemerintahan 25

II.3 Pemanfaatan *Architecture* Satu Data 25

II.4 Satu Data 26

II.5 Pemanfaatan *Architecture* Satu Data pada Pemerintah Daerah Provinsi Jawa Barat 27

II.6 Penggunaan *Framework* dalam *Enterprise Architecture* 28

II.7 Jenis-jenis Framework 28

II.8 *Framework* yang Digunakan pada Perancangan 45

II.9 Tools Perancangan Arsitektur 46

BAB III METODOLOGI PENELITIAN 48

III.1 Model Konseptual 48

III.2 Sistematika Penelitian 48

BAB IV INISIASI DAN IDENTIFIKASI 55

IV.1 Deskripsi Objek Penelitian 55

IV.2 Gambaran Umum Instansi 55

IV.3 Visi & Misi Instansi 56

IV.3.1 Visi 56

IV.3.2 Misi 56

IV.4 Perangkat Daerah 57

IV.5 Gambaran Kondisi Aplikasi Eksisting 59

IV.6 Rencana Strategis Satu Data Jawa Barat 60

IV.7 Proses Bisnis Satu data Jawa Barat 61

IV.8 Permasalahan Eksisting Satu Data Jawa Barat 62

BAB V ANALISIS DAN PERANCANGAN 63

V.1 *Premiliminary Phase* 63

V.1.1 Principle Catalog 63

V.2 *Architecture Vision* 65

V.2.1 *Stakeholder Map Matrix* 66

V.2.2 *Value Chain* Diagram 68

V.2.3 *Solution Concept* Diagram 69

V.2.4 *Goal* Diagram 70

V.2.5 ***Goal Catalog*** 70

V.2.6 ***Requirement Catalog*** 72

V.3 ***Business Architecture*** 73

V.3.1 ***Business Footprint Diagram*** 74

V.3.2 ***Goal / Objective / Requirement*** **Catalog** 75

V.3.3 ***Business Interaction Matrix*** 76

V.3.4 ***Functional Decomposition Diagram*** 79

V.3.5 ***Business Service / Function Catalog*** 79

V.3.6 ***Organization / Actor Catalog*** 81

V.3.7 ***Role Catalog*** 82

V.3.8 ***Actor / Role Matrix*** 83

V.3.9 ***Process Flow*** **Diagram** 84

V.3.9.1 ***Business Process Overview*** **Diagram** 85

V.3.9.2 ***Organizational Process*** **Diagram** 87

V.3.9.3 ***Organizational Process Target*** 91

V.3.9.4 ***Gap Analysis Business Architecture*** 94

V.4 ***Information System Archtecture*** 97

V.4.1 ***Data Architecture*** 97

V.4.1.1 ***Data Architecture Requirement*** 97

V.4.1.2 ***Data Entity / Data Component Catalog*** 98

V.4.1.3 ***Data Entity / Business Function Matrix*** 101

V.4.1.4 ***Conceptual Data Diagram*** 105

V.4.1.5 ***Logical Data Diagram*** 107

V.4.1.6 ***Data Dissemination Diagram*** 109

V.4.1.7 ***Gap Analisis Data Architecture*** 109

V.4.2 ***Application Architecture*** 111

V.4.2.1 ***Application Architecture Requirement*** 112

V.4.2.2 ***Application Portofolio Catalog*** 112

V.4.2.3 ***Application Interface Catalog*** 114

V.4.2.4 ***Application / Organization Matrix*** 114

V.4.2.5 ***Application / Function Matrix*** 115

V.4.2.6 ***Application Interaction Matrix*** 116

V.4.2.7 ***Application Communication Diagram*** 119

V.4.2.8 ***Gap Analysis Application Architecture*** 119

V.5 ***Technology Architecture*** 121

V.5.1 ***Technology Architecture Requirement*** 122

V.5.2 ***Technology Standards Catalog*** 122

V.5.3 ***Environments and Location Diagram*** 123

V.5.4 ***Platform Decomposition Diagram*** 125

V.5.5 ***Gap Analysis Technology Architecture*** 125

BAB VIKESIMPULAN DAN SARAN 127

VI.1 **Kesimpulan** 127

VI.2 **Saran** 127

DAFTAR PUSTAKA 128

LAMPIRAN 130