

DAFTAR ISI

Abstrak	i
Abstract	ii
Lembar Pengesahan	iii
Lembar Pernyataan Orisinalitas	iv
Lembar Persembahan	v
Kata Pengantar	vi
Daftar Isi.....	vii
Daftar Gambar.....	xi
Daftar Tabel	xiv
Daftar Lampiran	xvi
Daftar Istilah.....	xvii
BAB I Pendahuluan	1
I.1 Latar Belakang	1
I.2 Rumusan Masalah	3
I.3 Tujuan Tugas Akhir.....	3
I.4 Batasan dan Asumsi Tugas Akhir	4
I.5 Manfaat Tugas Akhir.....	4
I.6 Sistematika Laporan	5
BAB II Landasan Teori	7
II.1 Penelitian Terdahulu.....	7
II.2 Literatur	15
II.2.1 <i>Smart City</i>	15
II.2.2 <i>Smart Governance</i>	15
II.2.3 <i>Masterplan</i>	16

II.2.4	<i>Enterprise Architecture</i>	17
II.2.5	<i>Enterprise Architecture Framework</i>	18
II.2.6	SCADM	24
II.3	Pemilihan Metode atau Kerangka Kerja	26
BAB III	Metode Penyelesaian Masalah.....	30
III.1	Kerangka Berpikir.....	30
III.2	Sistematika Penyelesaian Masalah	31
III.3	Pengumpulan Data	37
III.4	Pengolahan Data atau Pengembangan Produk / Artifak	39
III.5	Metode Evaluasi	46
BAB IV	Penyelesaian Masalah	49
IV.1	Analisa Konteks Bandung <i>Smart Governance</i> Eksisting	49
IV.2	Visi Arsitektur <i>Smart City</i>	50
IV.3	<i>Fase Initiation, Strategy, and Goal</i>	51
IV.3.1	<i>Management Project Scope</i>	51
IV.3.2	<i>Stakeholder Team Catalog</i>	52
IV.3.3	<i>Driver/Goal/Objectives Catalog</i>	52
IV.3.4	<i>Principle Catalog</i>	56
BAB V	Validasi, Analisis Hasil, dan Implikasi.....	60
V.1	<i>Smart City Identification</i>	60
V.1.1	<i>Smart Governance Model</i>	60
V.1.2	<i>Value Chain</i>	61
V.1.3	<i>Value System</i>	62
V.1.4	<i>Business Service/Function Catalog</i>	63
V.1.5	<i>Stakeholder Map Matrix</i>	99
V.1.6	<i>Decomposition Service Diagram</i>	102

V.1.7	<i>Process Business Catalog</i>	103
V.1.8	<i>Business Process Choreography</i>	104
V.1.9	<i>Business Service Blueprint</i>	106
V.2	<i>Fase Data Architecture</i>	109
V.2.1	<i>Data Entity/Component Catalog</i>	110
V.2.2	<i>Data Application Catalog</i>	112
V.2.3	<i>Data Dissemination Diagram</i>	115
V.2.4	<i>Smart City Service Bus/Platform</i>	116
V.3	<i>Fase Service Architecture</i>	117
V.3.1	<i>Service Composition Catalog</i>	117
V.3.2	<i>Sequence Diagram</i>	119
V.3.3	<i>Service Interface Diagram</i>	121
V.3.4	<i>Service Participant Diagram</i>	123
V.3.5	<i>Service Contract Diagram</i>	124
V.3.6	<i>Service Architecture Diagram</i>	127
V.4	<i>Fase Information Technology Architecture</i>	127
V.4.1	<i>Application Portofolio Catalog</i>	127
V.4.2	<i>Sensor Catalog</i>	131
V.4.3	<i>Sensor and Application Matrix</i>	131
V.4.4	<i>Network Architecture Diagram</i>	131
V.4.5	<i>Application Communication Diagram</i>	132
V.5	<i>Fase Gap Analysis & Improvement</i>	133
V.5.1	<i>Gap Analysis Catalog</i>	133
V.5.2	<i>Improvement</i>	136
V.6	<i>Fase Transition Architecture</i>	176
V.6.1	<i>Work Packages Identification Catalog</i>	176

V.6.2	<i>Project Context Diagram</i>	180
V.6.3	<i>Project Prioritization</i>	180
V.6.4	<i>Architecture Roadmap</i>	188
V.7	Fase Evaluation	191
V.7.1	Petunjuk Penggeraan.....	191
V.7.2	Hasil Penilaian Expert.....	194
V.7.3	Hasil Penilaian Evaluasi.....	202
BAB VI	Kesimpulan dan Saran	204
VI.1	Kesimpulan	204
VI.2	Saran	205
	Daftar Pustaka	vii
	Lampiran	xi