

DAFTAR ISI

ABSTRAK	i
ABSTRACT	ii
LEMBAR PENGESAHAN	iii
LEMBAR PERNYATAAN ORISINALITAS	iv
HALAMAN 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	4
I.3 Tujuan Tugas Akhir.....	5
I.4 Manfaat Tugas Akhir.....	6
I.5 Batasan dan Asumsi Tugas Akhir	7
I.6 Sistematika Laporan	8
Bab II Landasan teori	10
II.1 Systematic Literature Review Smart mobility	10
II.2 Landasan Teori	17
II.2.1 Smart city	17
II.2.2 Smart mobility	18
II.2.3 Enterprise Architecture	20

II.2.4	<i>Enterprise Architecture Framework</i>	21
Bab III	Metodologi Penyelesaian masalah.....	28
III.1	Model Konseptual (Kerangka Berpikir)	28
III.2	Sistematika Penyelesaian Masalah	30
III.2.1	Fase 1: <i>Initiation, Strategy, and Goal</i>	33
III.2.2	Fase 2: <i>Smart city Identification</i>	33
III.2.3	Fase 3: <i>Data Architecture</i>	34
III.2.4	Fase 4: <i>Service Architecture</i>	35
III.2.5	Fase 5: <i>Information Technology Architecture</i>	35
III.2.6	Fase 6: <i>Gap analysis and Improvement</i>	36
III.2.7	Fase 7: <i>Opportunities & Solutions</i>	36
III.2.8	Fase 8: <i>Migration Planning</i>	37
III.2.9	Fase 9: <i>Evaluation</i>	37
III.3	Pengumpulan Data.....	37
III.4	Pengolahan Data atau Pengembangan Produk / Artifak.....	40
III.5	Metode Evaluasi	42
Bab IV	PENYELESAIAN PERMASALAHAN.....	43
IV.1	Analisa Konteks Bandung Smart City Eksisting	43
IV.2	Visi <i>Architecture Smart City</i>	44
IV.3	Fase <i>Initiation, Strategy, and Goal</i>	45
IV.3.1	<i>Management Project Scope</i>	45
IV.3.2	<i>Stakeholder Team Catalog</i>	47
IV.3.3	<i>Driver/Goal/Objective Catalog</i>	47
IV.3.4	<i>Principle Catalog</i>	50
Bab V	VALIDASI, ANALISIS HASIL, DAN IMPLIKASI	55
V.1	<i>Smart City Identification</i>	55

V.1.1	<i>Smart Mobility Model</i>	55
V.1.2	<i>Value Chain</i>	56
V.1.3	<i>Value System</i>	57
V.1.4	<i>Business Service/Function Catalog</i>	59
V.1.5	<i>Stakeholder Map Matrix</i>	66
V.1.6	<i>Decomposition Service Diagram</i>	72
V.1.7	<i>Process Business Catalog</i>	72
V.1.8	<i>Business Process Choreography</i>	75
V.1.9	<i>Business Service Blueprint</i>	77
V.2	<i>Data Architecture</i>	80
V.2.1	<i>Data Entity/Data Component Catalog</i>	80
V.2.2	<i>Data-Application Catalog</i>	82
V.2.3	<i>Data Dissemination Diagram</i>	84
V.2.4	<i>Smart City Service/Bus Platform</i>	85
V.3	<i>Service Architecture</i>	86
V.3.1	<i>Service Composition Catalog</i>	86
V.3.2	<i>Sequence Diagram</i>	88
V.3.3	<i>Service Interface Diagram</i>	90
V.3.4	<i>Service Participant Diagram</i>	92
V.3.5	<i>Service Contract Diagram</i>	93
V.3.6	<i>Service Architecture Diagram</i>	97
V.4	<i>Information Technology Architecture</i>	98
V.4.1	<i>Application Portfolio Catalog</i>	98
V.4.2	<i>Sensor Catalog</i>	102
V.4.3	<i>Sensor & Application Matrix</i>	103
V.4.4	<i>Network Architecture Diagram</i>	103

V.4.5	<i>Application Communication Diagram</i>	105
V.5	<i>Gap Analysis and Improvement</i>	105
V.5.1	<i>Gap Analysis</i>	106
V.5.2	<i>Improvement</i>	110
V.6	<i>Transition Planning Iteration</i>	140
V.6.1	<i>Work Package and Benefit Identification Catalog</i>	140
V.6.2	<i>Project Context Diagram</i>	143
V.6.3	<i>Project Prioritization</i>	143
V.6.4	<i>Architecture Roadmap</i>	147
V.7	<i>Evaluasi</i>	149
V.7.1	<i>Metode Validasi (VCR)</i>	149
V.7.2	<i>Petunjuk Pengerjaan</i>	150
V.7.3	<i>Validasi dan Penilaian expert terhadap Rancangan</i>	150
V.7.4	<i>Hasil Penilaian Rancangan</i>	166
V.7.5	<i>Hasil Perbandingan Penilaian Expert</i>	168
Bab VI	KESIMPULAN DAN SARAN	173
VI.1	Kesimpulan	173
VI.1.1	Saran	175
	Daftar Pustaka	176
	LAMPIRAN	181