

## DAFTAR ISI

LEMBAR PENGESAHAN .....	ii
LEMBAR PERNYATAAN ORISINALITAS .....	iii
ABSTRAK .....	iv
ABSTRACT .....	v
KATA PENGANTAR .....	vi
DAFTAR ISI.....	viii
DAFTAR GAMBAR .....	xii
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 Penelitian.....	4
I.4    Batasan Penelitian .....	4
I.5    Manfaat Penelitian.....	4
BAB II    Tinjauan pustaka .....	5
II.1 <i>Enterprise architecture</i> .....	5
II.2    TOGAF ADM Framework .....	5
II.3 <i>Smart Village</i> .....	7
II.3.1    IDM (Indeks Desa Membangun) .....	8
II.3.2 <i>Sustainable Development Goals (SDGS)</i> Desa.....	10
II.4    Penelitian Terdahulu.....	11
II.5    Alasan Pemilihan Teori, Kerangka Kerja, atau Mekanisme .....	13

BAB III	Metode penelitian .....	15
III.1	Model Konseptual .....	15
III.2	Sistematika Penelitian .....	16
III.3	Pengumpulan Data .....	18
III.4	<i>Data Processing or Product / Artifact Development</i> .....	20
III.5	Objek Penelitian .....	26
BAB IV	Identifikasi .....	27
IV.1	Identifikasi Kebutuhan Data.....	27
IV.2	Diskripsi Objek Penelitian.....	28
IV.2.1	Gambaran Umum Organisasi.....	29
IV.2.2	Visi dan Misi Desa Cibeber .....	29
IV.2.3	Tujuan Desa Cibeber.....	30
IV.2.4	Struktur Organisasi Desa Cibeber.....	31
IV.3	Indikator Keberhasilan Kinerja Desa .....	39
IV.4	Rencana dan Strategi Desa Cibeber .....	41
IV.5	Deskripsi Kondisi Teknologi dan Aplikasi Eksisting .....	42
IV.6	Gambaran Umum Masalah di Desa Cibeber.....	45
BAB V	ANALISIS DAN PERANCANGAN .....	48
V.1	<i>Fase Preliminary</i> .....	48
V.1.1	<i>Principle Catalog</i> .....	48
V.2	<i>Architecture Vision</i> .....	51
V.2.1	<i>Stakeholder Map Matrix</i> .....	51
V.2.2	<i>Value Chain</i> .....	53
V.2.3	<i>Solution Concept Diagram</i> .....	54
V.3	<i>Business Architecture</i> .....	55
V.3.1	<i>Business Architecture Requirement</i> .....	56

V.3.2	<i>Business Footprint Diagram</i> .....	56
V.3.3	<i>Goal/Objective/Requirement Catalog</i> .....	58
V.3.4	<i>Business Interaction Matrix</i> .....	60
V.3.5	<i>Functional Decomposition Diagram</i> .....	60
V.3.6	<i>Business Service/Function Catalog</i> .....	61
V.3.7	<i>Organization/Actor Catalog</i> .....	62
V.3.8	<i>Role Catalog</i> .....	63
V.3.9	<i>Actor/ Role Matrix</i> .....	64
V.3.10	<i>Process/Event/Control/Product Catalog</i> .....	65
V.3.11	<i>Service Catalog</i> .....	66
V.3.12	<i>Organizational Process Diagram</i> .....	66
V.3.13	<i>GAP Analysis Business Architecture</i> .....	72
V.4	<i>Information System Architecture</i> .....	73
V.4.1	<i>Data Architecture</i> .....	73
V.4.2	<i>Application Architecture</i> .....	83
V.5	<i>Technology Architecture</i> .....	91
V.5.1	<i>Technology Architecture Requirement</i> .....	92
V.5.2	<i>Technology Standard Catalog</i> .....	92
V.5.3	<i>Technology Portfolio Catalog</i> .....	94
V.5.4	<i>Application/Technology Matrix</i> .....	97
V.5.5	<i>Environment and Location Diagram</i> .....	98
V.5.6	<i>Platform Decomposition Diagram</i> .....	99
V.5.7	<i>GAP Analysis Technology Architecture</i> .....	100
V.6	<i>Opportunities and Solution</i> .....	102
V.6.1	<i>Implementation Factor Assesment and Deduction Matrix</i> .....	102
V.6.2	<i>Consolidate GAPs and Solutions Matrix</i> .....	106

V.6.3	<i>Consolidate and Reconcile Interoperability Requirement</i> .....	110
V.6.4	<i>Project Catalog</i> .....	111
V.6.5	<i>Project Context Diagram</i> .....	112
V.6.6	<i>Benefit Diagram</i> .....	115
V.7	<i>Migration Planning</i> .....	117
V.7.1	<i>Estimate Value and Risk</i> .....	117
V.7.2	<i>Business Value Assesment</i> .....	119
V.7.3	Prioritas Pembangunan Proyek .....	120
V.7.4	<i>Blueprint Enterprise Architecture</i> .....	120
V.7.5	<i>IT Roadmap</i> .....	124
BAB VI	Kesimpulan dan saran .....	125
VI.1	Kesimpulan.....	125
VI.2	Saran .....	126
	Daftar Pustaka .....	128
	Lampiran .....	131