

DAFTAR ISI

ABSTRAK	i
<i>ABSTRACT</i>	ii
LEMBAR PENGESAHAN	iii
LEMBAR PERNYATAAN ORISINALITAS	iv
Kata Pengantar	v
Daftar Isi.....	vi
Daftar Gambar.....	xi
Daftar Tabel	xiv
Daftar lampiran	xvii
Daftar Istilah.....	xviii
Bab I PENDAHULUAN.....	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah.....	5
I.3 Tujuan Penelitian.....	5
I.4 Batasan Penelitian	5
I.5 Manfaat Penelitian.....	6
Bab II TINJAUAN PUSTAKA.....	7
II.1 <i>E-Government</i>	7
II.2 <i>Smart Village</i>	8
II.3 Konsep <i>Smart Village</i>	9
II.4 Penerapan <i>Smart Village</i>	12
II.4.1 Penerapan <i>Smart Village</i> di Negara Prancis.....	12
II.4.2 Penerapan <i>Smart Village</i> di Negara Germany	12
II.4.3 Penerapan <i>Smart Village</i> di Negara India.....	13
II.4.4 Penerapan <i>Smart Village</i> di Negara Indonesia.....	13

II.5	Perbandingan Penerapan <i>Smart Village</i>	14
II.6	<i>Sustainable Development Goals</i> Desa (SDGs).....	15
II.7	Indeks Desa Membangun (IDM).....	16
II.8	Penelitian Terdahulu.....	17
II.9	<i>Enterprise Architecture (EA)</i>	20
II.10	<i>Enterprise Architecture Framework (EAF)</i>	20
II.10.1	<i>The Open Group Architecture Framework (TOGAF)</i>	21
II.10.2	<i>Zachman Enterprise Architecture Framework (ZEMAF)</i>	22
II.10.3	<i>Reference Model of Open Distributed Processing (RM-ODP)</i>	24
II.10.4	<i>Federal Enterprise Architecture Framework (FEAF)</i>	25
II.11	Perbandingan <i>Enterprise Architecture Framework</i>	26
Bab III	Metodologi Penelitian.....	27
III.1	Model Konseptual	27
III.2	Sistematika Penyelesaian	28
III.3	Pengumpulan Data	30
III.4	Hasil Pengolahan Data	33
III.5	Metode Evaluasi	38
III.6	Pelaksanaan Jadwal Pelatihan	38
Bab IV	PERSIAPAN DAN IDENTIFIKASI.....	40
IV.1	Identifikasi Objek Penelitian	40
IV.1.1	Visi dan Misi Desa Buahbatu.....	41
IV.1.2	Struktur Organisasi Desa Buahbatu	41
IV.2	Rencana Program Pemerintah Desa Buahbatu 2020 – 2025.....	45
IV.3	Gambaran Kondisi Teknologi Eksisting	45
IV.4	Permasalahan pada Desa Buahbatu	46
Bab V	ANALISIS DAN PERANCANGAN	52

V.1	<i>Fase Preliminary</i>	52
V.1.1	<i>Principles Catalog</i>	52
V.2	<i>Architecture Vision</i>	61
V.2.1	<i>Stakeholder Map Matrix</i>	61
V.2.2	<i>Value Chain Diagram</i>	65
V.2.3	<i>Solution Concept Diagram</i>	66
V.2.4	<i>Goal Catalog</i>	68
V.2.5	<i>Requirement Catalog</i>	70
V.3	<i>Business Architecture</i>	76
V.3.1	<i>Goal / Objective / Requirement Catalog</i>	76
V.3.2	<i>Business Footprint Diagram</i>	78
V.3.3	<i>Business Interaction Matrix</i>	80
V.3.4	<i>Functional Decomposition Diagram</i>	90
V.3.5	<i>Organizational / Actor Catalog</i>	90
V.3.6	<i>Role Catalog</i>	91
V.3.7	<i>Actor / Role Matrix</i>	95
V.3.8	<i>Process / Event / Control / Product Catalog</i>	97
V.3.9	<i>Process Flow Diagram</i>	100
V.3.10	<i>Gap Analysis Business Architecture</i>	159
V.4	<i>Information System Architecture</i>	165
V.4.1	<i>Data Architecture</i>	165
V.4.2	<i>Requirement Data Catalog</i>	165
V.4.3	<i>Data Entity / Component Catalog</i>	166
V.4.4	<i>Data Entity / Business Function Matrix</i>	170
V.4.5	<i>Application/Data Matrix</i>	173
V.4.6	<i>Conceptual Data Diagram</i>	174

V.4.7	<i>Logical Data Diagram</i>	176
V.4.8	<i>Data Dissemination Diagram</i>	178
V.4.9	<i>Gap Analysis Data Architecture</i>	178
V.5	<i>Application Architecture</i>	184
V.5.1	<i>Application Requirement Catalog</i>	184
V.5.2	<i>Application Portofolio Catalog</i>	184
V.5.3	<i>Application Interface Catalog</i>	186
V.5.4	<i>Application / Organization Matrix</i>	186
V.5.5	<i>Application / Function Matrix</i>	187
V.5.6	<i>Application Interaction Matrix</i>	190
V.5.7	<i>Application Communication Diagram</i>	191
V.5.8	<i>Application Use Case & Application Usage View Diagram</i>	192
V.5.9	<i>Gap Analysis Application Architecture</i>	196
V.6	<i>Technology Architecture</i>	199
V.6.1	<i>Technology Architecture Requirement Catalog</i>	199
V.6.2	<i>Technology Standard Catalog</i>	200
V.6.3	<i>Technology Portofolio Catalog</i>	202
V.6.4	<i>Application / Technology Matrix</i>	207
V.6.5	<i>Environment and Location Diagram</i>	209
V.6.6	<i>Platform Decomposition Diagram</i>	209
V.6.7	<i>Gap Analysis Technology Architecture</i>	210
V.7	<i>Opportunities and Solution</i>	215
V.7.1	<i>Implementation Factor Assesment and Duduction Matrix</i>	215
V.7.2	<i>Consolidate GAPS, Solution & Dependecies Matrix : NPF & RIA</i> 219	
V.7.3	<i>Work Package Identification Catalog</i>	236

V.7.4	<i>Project Context Diagram</i>	240
V.7.5	<i>Benefit Diagram</i>	240
V.8	<i>Migration Planning</i>	241
V.8.1	<i>Estimate Value and Risk</i>	241
V.8.2	<i>Business Value and Assessment</i>	243
V.8.3	<i>Project Prioritization</i>	244
V.8.4	<i>IT Architecture Roadmap</i>	246
Bab VI	<i>Kesimpulan dan Saran</i>	247
VI.1	<i>Kesimpulan</i>	247
VI.2	<i>Saran</i>	248
	<i>Daftar Pustaka</i>	250
	<i>LAMPIRAN</i>	255