

DAFTAR ISI

ABSTRAK	i
<i>ABSTRACT</i>	ii
LEMBAR PENGESAHAN	iii
LEMBAR PERNYATAAN ORISINALITAS	iv
KATA PENGANTAR	v
DAFTAR ISI	vi
DAFTAR GAMBAR	x
DAFTAR TABEL	xii
DAFTAR ISTILAH	xvi
DAFTAR LAMPIRAN	xviii
Bab I PENDAHULUAN.....	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah.....	9
I.3 Tujuan Penelitian.....	9
I.4 Batasan Penelitian	9
I.5 Manfaat Penelitian.....	10
I.6 Sistematika Penulisan.....	10
Bab II TINJAUAN PUSTAKA.....	12
II.1 Desa Tangguh Bencana	12
II.2 <i>Sustainable Development Goals (SDGs) Desa</i>	13
II.3 <i>Enterprise Architecture (EA)</i>	14
II.4 <i>Enterprise Architecture Framework (EAF)</i>	15
II.4.1 <i>The Open Group Architecture Framework (TOGAF)</i>	16
II.4.2 <i>Zachman Framework</i>	18
II.4.3 <i>Federal Enterprise architecture Framework (FEAF)</i>	19
II.5 Perbandingan Antar <i>Framework</i>	20
II.6 Alasan Pemilihan <i>Framework</i>	22
II.7 Penelitian Terdahulu.....	22
Bab III METODOLOGI PENELITIAN	27
III.1 Model Konseptual.....	27

III.2	Sistematika Penyelesaian Masalah	29
III.3	Pengumpulan Data.....	31
III.4	Pengolahan Data atau Proses Pengembangan Produk / Artifak	32
III.5	Metode Evaluasi	34
III.6	Alasan Pemilihan Metode.....	34
Bab IV	OBJEK PENELITIAN.....	36
IV.1	Deskripsi Objek Penelitian	36
IV.1.1	Gambaran Umum Organisasi.....	36
IV.1.2	Visi dan Misi	37
IV.1.3	Struktur Organisasi	38
IV.1.3.1	Badan Permusyawaratan Desa.....	38
IV.1.3.2	Kepala Desa	39
IV.1.3.3	Sekretariat Desa	39
IV.1.3.3.1	Sekretaris Desa.....	40
IV.1.3.3.2	Kepala Urusan Tata Usaha dan Umum	40
IV.1.3.3.3	Kepala Urusan Keuangan.....	41
IV.1.3.3.4	Kepala Urusan Perencanaan.....	41
IV.1.3.4	Pelaksana Teknis.....	41
IV.1.3.4.1	Kepala Seksi Pemerintahan	41
IV.1.3.4.2	Kepala Seksi Kesejahteraan	42
IV.1.3.4.3	Kepala Seksi Pelayanan	42
IV.1.3.5	Kepala Dusun.....	42
IV.2	Indikator Capaian Kerja Desa Eretan Wetan	42
IV.3	Tujuan dan Sasaran Pembangunan Desa Eretan Wetan 2022-2029 ...	43
IV.4	Gambaran Kondisi Aplikasi dan Teknologi Eksisting	45
IV.5	Permasalahan Desa Eretan Wetan	47
Bab V	ANALISIS DAN PERANCANGAN	51
V.1	<i>Preliminary Phase</i>	51
V.1.1	<i>Principles Catalog</i>	51
V.2	<i>Architecture Vision</i>	57
V.2.1	<i>Stakeholder Map Matrix</i>	57
V.2.2	<i>Value Chain Diagram</i>	59

V.2.3	<i>Solution Concept Diagram</i>	60
V.2.4	<i>Requirement Catalog</i>	64
V.3	<i>Business Architecture</i>	69
V.3.1	<i>Business Architecture Requirement</i>	69
V.3.2	<i>Goal/Objective/Requirement Catalog</i>	70
V.3.3	<i>Business Footprint Diagram</i>	73
V.3.4	<i>Business Interaction Matrix</i>	75
V.3.5	<i>Functional Decomposition Diagram</i>	78
V.3.6	<i>Business Service/Functional Catalog</i>	79
V.3.7	<i>Organization/Actor Catalog</i>	80
V.3.8	<i>Role Catalog</i>	81
V.3.9	<i>Actor/Role Matrix</i>	84
V.3.10	<i>Process/Event/Control/Process Catalog</i>	86
V.3.11	<i>Process Flow Diagram</i>	87
V.3.12	<i>Gap Analysis Business Architecture</i>	136
V.4	<i>Information Systems Architecture</i>	139
V.4.1	<i>Data Architecture</i>	139
V.4.1.1	<i>Data Architecture Requirement</i>	140
V.4.1.2	<i>Data Entity/Data Component Catalog</i>	140
V.4.1.3	<i>Data Entity/Business Function Matrix</i>	145
V.4.1.4	<i>Application/Data Matrix</i>	147
V.4.1.5	<i>Conceptual Data Diagram</i>	148
V.4.1.6	<i>Logical Data Diagram</i>	152
V.4.1.7	<i>Data Dissemination Diagram</i>	156
V.4.1.8	<i>GAP Analysis Data Architecture</i>	159
V.4.2	<i>Application Architecture</i>	164
V.4.2.1	<i>Application Architecture Requirement</i>	164
V.4.2.2	<i>Application Portfolio Catalog</i>	165
V.4.2.3	<i>Application Interface Catalog</i>	166
V.4.2.4	<i>Application/Organization Matrix</i>	166
V.4.2.5	<i>Application/Function Matrix</i>	167
V.4.2.6	<i>Application/Role Matrix</i>	168

V.4.2.7	<i>Application Interaction Matrix</i>	169
V.4.2.8	<i>Application Communication Diagram</i>	171
V.4.2.9	<i>Application Use Case & Usage View Diagram</i>	172
V.4.2.10	<i>GAP Analysis Application Architecture</i>	178
V.5	<i>Technology Architecture</i>	181
V.5.1	<i>Technology Architecture Requirement</i>	181
V.5.2	<i>Technology Standards Catalog</i>	182
V.5.3	<i>Technology Portfolio Catalog</i>	183
V.5.4	<i>Application/Technology Matrix</i>	186
V.5.5	<i>Environments and Location Diagram</i>	186
V.5.6	<i>Platform Decomposition Diagram</i>	188
V.5.7	<i>Gap Analysis Technology Architecture</i>	189
V.6	<i>Opportunities and Solutions</i>	193
V.6.1	<i>Implementation Factor Assessment and Deduction Matrix</i>	193
V.6.2	<i>Consolidated Gaps, Solutions, and Dependencies Matrix</i>	196
V.6.3	<i>Work Package Identification Catalog</i>	211
V.6.4	<i>Project Context Diagram</i>	215
V.6.5	<i>Benefit Diagram</i>	217
V.7	<i>Migration Planning</i>	218
V.7.1	<i>Estimate Value and Risk</i>	219
V.7.2	<i>Business Value Assessment</i>	222
V.7.3	<i>Project Development Priority</i>	222
V.7.4	<i>IT Roadmap</i>	225
V.7.5	<i>Blueprint Enterprise Architecture</i>	226
Bab VI	KESIMPULAN DAN SARAN	230
VI.1	Kesimpulan	230
VI.2	Saran	232
	DAFTAR PUSTAKA	233
	LAMPIRAN	239