

## DAFTAR ISI

<b>ABSTRAK</b> .....	<b>ii</b>
<b>ABSTRACT</b> .....	<b>iii</b>
<b>LEMBAR PENGESAHAN</b> .....	<b>iv</b>
<b>LEMBAR PERNYATAAN ORISINALITAS</b> .....	<b>v</b>
<b>KATA PENGANTAR</b> .....	<b>vi</b>
<b>DAFTAR ISI</b> .....	<b>viii</b>
<b>DAFTAR GAMBAR</b> .....	<b>xi</b>
<b>DAFTAR TABEL</b> .....	<b>xiii</b>
<b>DAFTAR ISTILAH</b> .....	<b>xv</b>
<b>BAB I PENDAHULUAN</b> .....	<b>1</b>
<b>1.1 Latar Belakang</b> .....	<b>1</b>
<b>I.1 Perumusan Masalah</b> .....	<b>5</b>
<b>I.2 Tujuan Penelitian</b> .....	<b>6</b>
<b>I.3 Batasan Penelitian</b> .....	<b>6</b>
<b>I.4 Manfaat Penelitian</b> .....	<b>7</b>
<b>BAB II TINJAUAN PUSTAKA</b> .....	<b>8</b>
<b>II.1 Konsep e-Government</b> .....	<b>8</b>
<b>II.2 Konsep Smart City</b> .....	<b>9</b>
<b>II.3 Konsep Smart Village</b> .....	<b>10</b>
<b>II.4 Dimensi Smart Village</b> .....	<b>11</b>
<b>II.5 Penerapan Smart Village</b> .....	<b>14</b>
II.5.1 Penerapan Smart Village di Negara Malaysia .....	14
II.5.2 Penerapan Smart Village di Jerman .....	16
II.5.3 Penerapan Smart Village di China .....	16
II.5.4 Penerapan Smart Village di Indonesia .....	18
II.5.5 Perbandingan Penerapan Smart Village di Indonesia dan Negara Lain .....	19
II.5.6 Perbandingan Konsep Smart Village Berdasarkan Penelitian Terdahulu .....	20
<b>II.6 Sustainable Development Goals (SDGs)</b> .....	<b>21</b>
<b>II.7 Indeks Desa Membangun (IDM)</b> .....	<b>22</b>
<b>II.8 Konsep Enterprise Architecture</b> .....	<b>23</b>
II.8.1 Zachman Framework .....	23
II.8.2 The Open Group Architecture Framework (TOGAF) .....	24
II.8.3 Federation Enterprise Architecture Framework (FEAF) .....	26
II.8.4 Perbandingan Antar Enterprise Architecture Frameworks .....	26
<b>BAB III METODOLOGI PENELITIAN</b> .....	<b>28</b>

<b>III.1 Model Konseptual.....</b>	<b>28</b>
<b>III.2 Sistematika Penelitian .....</b>	<b>29</b>
III.2.1 Tahap Identifikasi dan Inisiasi Organisasi .....	29
III.2.2 Tahap Analisis dan Perancangan .....	30
III.2.3 Tahapan Akhir.....	39
<b>III.3 Objek Penelitian.....</b>	<b>40</b>
III.3.1 Penentuan Objek Penelitian Berdasarkan SDGs .....	41
<b>III.4 Pelaksanaan Jadwal Penelitian.....</b>	<b>44</b>
<b>BAB IV IDENTIFIKASI.....</b>	<b>45</b>
<b>IV.1 Identifikasi Kebutuhan Data .....</b>	<b>45</b>
<b>IV.2 Metode Pengumpulan Data .....</b>	<b>45</b>
<b>IV.3 Deskripsi Objek Penelitian .....</b>	<b>46</b>
IV.3.1 Gambaran Umum Organisasi.....	46
IV.3.2 Visi dan Misi Desa Pagerharjo.....	47
IV.3.3 Struktur Organisasi Pemerintah Desa .....	47
<b>IV.4 Tujuan dan Sasaran Pembangunan Desa Pagerharjo Tahun 2022-2027.....</b>	<b>54</b>
<b>IV.5 Gambaran Kondisi Teknologi Eksisting .....</b>	<b>55</b>
<b>BAB V ANALISIS DAN PERANCANGAN .....</b>	<b>57</b>
<b>V.1 Preliminary Phase.....</b>	<b>57</b>
V.1.1 Principle Catalog .....	57
<b>V.2 Architecture Vision.....</b>	<b>62</b>
V.2.1 Stakeholder Map Matrix.....	62
V.2.2 Value Chain Diagram.....	64
V.2.3 Solution Concept Diagram .....	64
<b>V.3 Business Architecture.....</b>	<b>66</b>
V.3.1 Business Architecture Requirement .....	66
V.3.2 Business Footprint Diagram .....	66
V.3.3 Goal/Objective/Requirement Catalog .....	69
V.3.4 Business Interaction Matrix.....	78
V.3.5 Functional Decomposition Diagram.....	81
V.3.6 Organization/Actor Catalog .....	81
V.3.7 Role Catalog .....	82
V.3.8 Actor/Role Matrix .....	84
V.3.9 Process/Event/Control/Product Catalog .....	85
V.3.10 Service Catalog .....	87
V.3.11 Organizational Process Diagram .....	88
V.3.12 GAP Analysis Business Architecture .....	115
<b>V.4 Information System Architecture.....</b>	<b>124</b>
V.4.1 Data Architecture .....	124
V.4.2 Application Architecture .....	136
<b>V.5 Technology Architecture.....</b>	<b>144</b>
V.5.1 Technology Architecture Requirement .....	144
V.5.2 Technology Standard Catalog .....	144
V.5.3 Technology Portfolio Catalog .....	145
V.5.4 Application/Technology Matrix .....	146
V.5.5 Environment and Location Diagram .....	147
V.5.6 Platform Decomposition Diagram.....	148
V.5.7 GAP Analysis Technology Architecture .....	150

<b>V.6 Opportunities and Solution</b> .....	<b>152</b>
V.6.1 Implementation Factor Assessment and Deduction Matrix.....	152
✓V.6.2 Consolidate GAPS and Solutions Matrix.....	153
V.6.3 Dependencies Matrix.....	157
V.6.4 Consolidate and Reconcile Interoperability Requirement.....	160
V.6.5 Project Catalog.....	162
V.6.6 Project Context Diagram.....	164
V.6.7 Benefit Diagram.....	166
<b>V.7 Migration Planning</b> .....	<b>169</b>
V.7.1 Estimate Value and Risk.....	169
V.7.2 Business Value Assessment.....	170
V.7.3 Prioritas Pembangunan Proyek.....	171
V.7.4 IT Roadmap.....	173
V.7.5 Blueprint Enterprise Architecture.....	176
<b>BAB VI KESIMPULAN DAN SARAN</b> .....	<b>178</b>
<b>VI.1 Kesimpulan</b> .....	<b>178</b>
<b>VI.2 Saran</b> .....	<b>179</b>
<b>DAFTAR PUSTAKA</b> .....	<b>180</b>
<b>LAMPIRAN A – SURAT PENGANTAR PENELITIAN</b> .....	<b>183</b>
<b>LAMPIRAN B – DOKUMENTASI PENELITIAN</b> .....	<b>184</b>
<b>LAMPIRAN C – KUESIONER VALIDASI DATA</b> .....	<b>185</b>