

DAFTAR ISI

ABSTRAK	i
<i>ABSTRACT</i>	ii
LEMBAR PENGESAHAN	iii
LEMBAR PERNYATAAN ORISINALITAS	iv
Kata Pengantar	v
Daftar Isi.....	vii
Daftar Gambar.....	xii
Daftar Tabel	xiv
Daftar Lampiran	xvii
Daftar Istilah.....	xviii
BAB I PENDAHULUAN	1
I.1 Latar Belakang	1
I.2 Perumusan Masalah.....	4
I.3 Tujuan Penelitian.....	4
I.4 Batasan Penelitian	4
I.5 Manfaat Penelitian.....	5
Bab II TINJAUAN PUSTAKA	6
II.1 <i>Enterprise Architecture</i> (EA)	6
II.2 <i>Enterprise Architecture Framework</i>	7
II.2.1 <i>Zachman Framework</i>	8
II.2.2 <i>Federal Enterprise Architecture Framework</i> (FEAF)	10
II.2.3 <i>The Open Group Architecture Framework</i> (TOGAF)	10
II.3 Alasan Pemilihan Kerangka Kerja/Teori/Pendekatan	12
II.4 Penelitian Terdahulu.....	14
Bab III METODOLOGI PENELITIAN	19
III.1 Kerangka Berpikir	19
III.2 Sistematika Penyelesaian Masalah	20

III.2.1	Tahap Persiapan	22
III.2.2	Tahap Identifikasi.....	22
III.2.3	Analisis dan Perancangan	22
III.2.4	Evaluasi dan Perbaikan	27
III.3	Pengumpulan Data	28
III.4	Pengolahan Data atau Pengembangan Produk / Artefak.....	29
III.5	Metode Evaluasi	29
III.6	Alasan Pemilihan Metode.....	30
Bab IV	PERSIAPAN DAN IDENTIFIKASI	31
IV.1	Pengumpulan Data	31
IV.2	Profil Objek Penelitian	31
IV.3	Visi dan Misi	33
IV.4	<i>Core Values</i>	33
IV.5	Struktur Organisasi.....	34
IV.6	Kondisi Aplikasi Eksisting.....	36
IV.7	Proses Bisnis Eksisting.....	37
IV.8	Permasalahan Kondisi Eksisting	38
Bab V	ANALISIS DAN PERANCANGAN	39
V.1	<i>Preliminary Phase</i>	39
V.1.1	<i>Principles Catalog</i>	39
V.2	<i>Phase A: Architecture Vision</i>	45
V.2.1	<i>Stakeholder Map Matrix</i>	45
V.2.2	<i>Value Chain Diagram</i>	47
V.2.3	<i>Solution Concept Diagram</i>	49
V.3	<i>Business Architecture</i>	51
V.3.1	<i>Business Architecture Requirement Catalog</i>	51

V.3.2	<i>Business Footprint Diagram</i>	51
V.3.3	<i>Driver/Goal/Objective Catalog</i>	52
V.3.4	<i>Business Interaction Matrix</i>	53
V.3.5	<i>Functional Decomposition Diagram</i>	54
V.3.6	<i>Organizational/Actor Catalog</i>	56
V.3.7	<i>Role Catalog</i>	56
V.3.8	<i>Actor/Role Matrix</i>	57
V.3.9	<i>Process/Event/Control/Product Catalog</i>	58
V.3.10	<i>Service Catalog</i>	59
V.3.11	<i>Process Flow Diagram</i>	59
V.3.11.1	Pengawalan tiket gangguan FO Eksisting	60
V.3.11.2	Pengawalan Tiket Gangguan FO Targeting	62
V.3.11.3	Pengawalan Tiket Gangguan Radio IP Eksisting	64
V.3.11.4	Pengawalan Tiket Gangguan Radio IP Targeting	66
V.3.12	<i>GAP Analysis Business Architecture</i>	67
V.4	<i>Information System Architecture</i>	69
V.4.1	<i>Data Architecture</i>	69
V.4.1.1	<i>Data Architecture Requirement Catalog</i>	69
V.4.1.2	<i>Data Entity/Data Component Catalog</i>	70
V.4.1.3	<i>Data Entity/Business Function Matrix</i>	71
V.4.1.4	<i>Application/Data Matrix</i>	71
V.4.1.5	<i>Conceptual Data Diagram</i>	73
V.4.1.6	<i>Logical Data Diagram</i>	75
V.4.1.7	<i>Data Dissemination Diagram</i>	77
V.4.1.8	<i>GAP Analysis Data Architecture</i>	78
V.4.2	<i>Application Architecture</i>	79

V.4.2.1	<i>Application Architecture Requirement Catalog</i>	79
V.4.2.2	<i>Application Portfolio Catalog</i>	80
V.4.2.3	<i>Application Interface Catalog</i>	81
V.4.2.5	<i>Application/Role Matrix</i>	81
V.4.2.6	<i>Application/Function Matrix</i>	82
V.4.2.7	<i>Application Interaction Matrix</i>	82
V.4.2.8	<i>Application Communication Diagram</i>	82
V.4.2.10	<i>Application Use-Case Diagram</i>	83
V.4.2.10	<i>Gap Analysis Application Architecture</i>	86
V.5	<i>Technology Architecture</i>	87
V.5.1	<i>Technology Architecture Requirement Catalog</i>	87
V.5.2	<i>Technology Standard Catalog</i>	87
V.5.3	<i>Technology Portfolio Catalog</i>	89
V.5.4	<i>Application/Technology Matrix</i>	95
V.5.5	<i>Platform Decomposition Diagram</i>	95
V.5.6	<i>Gap Analysis Technology Architecture</i>	96
V.6	<i>Opportunities & Solutions</i>	97
V.6.1	<i>Implementation Factor Assessment and Deduction Matrix</i>	98
V.6.2	<i>Consolidate Gap, Solutions, and Dependencies Matrix</i>	100
V.6.3	<i>Consolidate & Reconcile Interoperability Requirements</i>	103
V.6.4	<i>Project Catalog</i>	104
V.6.5	<i>Project Context Diagram</i>	105
V.6.6	<i>Benefit Diagram</i>	106
V.7	<i>Migration Planning</i>	107
V.7.1	<i>Estimate Value and Risk</i>	107
V.7.2	<i>Project Description</i>	108

V.7.3	<i>Business Value Assessment</i>	109
V.7.4	Prioritas Pembangunan Proyek	110
V.7.5	<i>IT Roadmap</i>	111
Bab VI	KESIMPULAN DAN SARAN	112
VI.1	Kesimpulan	112
VI.2	Saran	112
Daftar Pustaka		114
LAMPIRAN		118