

DAFTAR ISI

Perancangan Enterprise Architecture Menggunakan Framework.....	i
TOGAF ADM Pada Bagian Sumber Daya Manusia dan.....	i
Informasi di PT PLN Pekanbaru	i
LEMBAR PENGESAHAN	i
LEMBAR PERNYATAAN ORISINALITAS	ii
ABSTRAK.....	iii
ABSTRACT.....	iv
KATA PENGANTAR	v
DAFTAR ISI.....	vi
DAFTAR TABEL.....	viii
DAFTAR GAMBAR	x
BAB 1. PENDAHULUAN	1
1.1 Latar Belakang	1
1.2 Perumusan Masalah	3
1.3 Tujuan Penelitian	4
1.4 Manfaat Penelitian	4
1.5 Batasan Masalah.....	4
1.6 Sistematika Penulisan	5
BAB 2. LANDASAN TEORI.....	7
2.1 <i>Enterprise Architecture</i>	7
2.3 The Open Group Architectural Framework (TOGAF)	10
2.4 Perbandingan <i>Framework Enterprise Architecture</i>	18
2.5 <i>Tools</i> Pokok Pemodelan TOGAF.....	19
2.6 <i>Value Chain</i>	20
2.7 <i>Flowchart</i>	23
2.8 UML (<i>Unified Modelling Language</i>)	23
BAB 3. METODE PENELITIAN.....	25
3.1 Jenis Penelitian.....	25
3.2 Objek dan Waktu Penelitian.....	25
3.3 Metode Penelitian.....	26
3.4 <i>Tools</i>	29

3.5 Model Konseptual	30
BAB 4. HASIL IDENTIFIKASI.....	31
4.1 Identifikasi Tahap Persiapan	31
4.2 Identifikasi Tahap Analisis dan Perancangan.....	38
BAB 5. HASIL ANALISIS DAN PERANCANGAN.....	41
5.1 Preliminary Phase	41
5.1.7 Outputs.....	43
5.2 <i>Architecture Vision</i>	44
5.2.12 Outputs.....	47
5.3 Business Architecture	53
5.3.10 Outputs.....	55
5.4 Information System Architecture	69
5.4.1 Data Architecture	69
5.4.1.10 Outputs.....	71
5.4.2 Application Architecture.....	77
5.4.2.10 Outputs.....	79
5.5 Technology Architecture	87
5.5.10 Outputs.....	89
5.6 Opportunities and Solutions	100
5.6.12 Outputs.....	102
5.7 Migration Planning	113
5.7.9 Outputs.....	115
KESIMPULAN.....	120
Kesimpulan.....	120
Saran.....	121
LAMPIRAN.....	122

DAFTAR TABEL

Tabel 2.0.1 Perbandingan framework antara Zachman, TOGAF, DoDAF, FEA, dan Gartner	18
Tabel 2.0.2 <i>Tools</i> Pemodelan TOGAF.....	20
Tabel 4.0.1 Data Primer	32
Tabel 4.0.2 Proses Bisnis PT PLN Pekanbaru	34
Tabel 4.0.3 Permasalahan Utama PT PLN Pekanbaru.....	35
Tabel 4.0.4 Kondisi Aplikasi TI Eksisting PT PLN Pekanbaru.....	36
Tabel 4.0.5 Data Sekunder	37
Tabel 4.0.6 <i>Input, proses, dan output</i> fase TOGAF ADM.....	38
Tabel 5.0.1 <i>Principles Catalog</i>	43
Tabel 5.0.2 Stakeholder Map Matrix	48
Tabel 5.0.3 <i>Goal Catalog</i>	49
Tabel 5.0.4 <i>Requirement Catalog</i>	50
Tabel 5.0.5 <i>Driver/Goal/Objective Catalog</i>	56
Tabel 5.0.6 <i>Business Interaction Matrix</i>	57
Tabel 5.0.7 <i>Business Service/Function Catalog</i>	62
Tabel 5.0.8 <i>Actor/Role Matrix</i>	65
Tabel 5.0.9 <i>Process/Event/Control/Product Catalog</i>	66
Tabel 5.0.10 <i>Service Catalog</i>	68
Tabel 5.0.11 <i>Business Gap Analysis</i>	68
Tabel 5.0.12 <i>Data architecture requirements</i>	71
Tabel 5.0.13 <i>Data entity</i>	71
Tabel 5.0.14 <i>Data Component</i>	72
Tabel 5.0.15 <i>Data Entity/Business Function Matrix</i>	73
Tabel 5.0.16 <i>Application/Data Matrix</i>	74
Tabel 5.0.17 <i>Data Gap Analysis</i>	77
Tabel 5.0.18 <i>Application Architecture Requirements</i>	79
Tabel 5.0.19 <i>Application Portfolio Catalog</i>	80
Tabel 5.0.20 <i>Application Interface Catalog</i>	81
Tabel 5.0.21 <i>Application/Organization Matrix</i>	82

Tabel 5.0.22 <i>Application/Function Matrix</i>	83
Tabel 5.0.23 <i>Application/Role Matrix</i>	84
Tabel 5.0.24 <i>Application Interaction Matrix</i>	85
Tabel 5.0.25 <i>Application Gap Analysis</i>	87
Tabel 5.0.26 <i>Technology Architecture Requirement</i>	90
Tabel 5.0.27 <i>Technology Standard Catalog</i>	90
Tabel 5.0.28 <i>Technology Portfolio Catalog</i>	91
Tabel 5.0.29 <i>Application/Technology Matrix</i>	99
Tabel 5.0.30 <i>Technology Gap Analysis</i>	99
Tabel 5.0.31 <i>Implementation Factor Assessment and Deduction Matrix</i>	103
Tabel 5.0.32 <i>Consolidated Gaps, Solution, and Depedencies Matrix</i>	105
Tabel 5.0.33 <i>Consolidated Gaps, Solution, and Depedencies Matrix Business</i> .	109
Tabel 5.0.34 <i>Consolidated Gaps, Solution, and Depedencies Matrix Application</i>	109
Tabel 5.0.35 <i>Consolidated Gaps, Solution, and Depedencies Matrix Technology</i>	110
Tabel 5.0.36 <i>Consolidate and Reconcile Interoperability Requirement</i>	111
Tabel 5.0.37 <i>Risk Parameter Assessment</i>	116
Tabel 5.0.38 <i>Value Parameter Assesment</i>	116
Tabel 5.0.39 <i>Estimate Value and Risk</i>	116
Tabel 5.0.40 <i>Project Development Priority</i>	118
Tabel 5.41 <i>IT Roadmap</i>	118