

DAFTAR ISI

ABSTRAK	i
<i>ABSTRACT</i>	ii
KATA PENGANTAR.....	iii
DAFTAR ISI.....	iv
DAFTAR GAMBAR	viii
DAFTAR TABEL.....	ix
DAFTAR ISTILAH	xi
DAFTAR SINGKATAN.....	xii
DAFTAR SIMBOL.....	xiii
BAB I PENDAHULUAN	1
I.1 Latar Belakang.....	1
I.2 Perumusan Masalah.....	8
I.3 Tujuan Penelitian.....	8
I.4 Batasan Penelitian	9
I.5 Manfaat Penelitian.....	9
I.6 Sistematika Penulisan.....	9
BAB II KAJIAN TEORI.....	11
II.1 <i>Enterprise Architecture</i>	11
II.1.1 <i>Enterprise</i>	11
II.1.2 <i>Architecture</i>	11
II.1.3 <i>Enterprise Architecture</i>	11
II.2 <i>Framework</i>	11
II.2.1 Pengertian <i>Framework</i>	11
II.2.2 Jenis-Jenis <i>Framework</i>	12
II.2.3 Perbandingan <i>Framework</i>	13
II.2.4 Fase Togaf ADM.....	15
II.2.5 <i>Domain architecture</i> TOGAF	19
II.3 <i>Architecture Reference</i>	20
II.3.1 TOGAF <i>Reference Togaf</i>	20
II.3.2 Standar Industri Kayu.....	22
II.3.3 Spesifikasi Perusahaan <i>West Fraser</i>	23
II.3.4 Proses Bisnis Perhutani	27
II.3.5 <i>Analisa Architecture Reference</i>	28

II.4	Fungsi Pada <i>Warehouse and Inventory</i>	29
BAB III METODOLOGI PENELITIAN		32
III.1	Model Konseptual	32
III.2	Sistematika Penelitian	34
BAB IV PENGUMPULAN DATA DAN IDENTIFIKASI ARCHITECTURE ENTERPRISE <i>EXISTING</i>		38
IV.1	Ruang Lingkup	38
IV.2	Fase Pengumpulan Data	39
IV.2.1	Kebutuhan Data	39
IV.2.2	Metode Pengumpulan Data	41
IV.3	Fase Identifikasi	41
IV.3.1	Deskripsi Objek Penelitian	41
IV.3.2	Gambaran Umum Organisasi	42
IV.3.3	Visi dan Misi Perusahaan	45
IV.3.4	Tujuan dan Sasaran Organisasi	45
IV.3.5	Struktur Organisasi	46
IV.4	Identifikasi Kondisi <i>Existing</i> Data	47
IV.5	Identifikasi Kondisi <i>Existing</i> Aplikasi	47
IV.6	Identifikasi Kondisi <i>Existing</i> Teknologi	48
BAB V PERANCANGAN <i>ENTERPRISE ARCHITECTURE</i>		50
V.1	Fase <i>Preliminary</i>	50
V.1.1	Prinsip-prinsip perancangan <i>Enterprise Architecture</i>	50
V.1.2	Identifikasi Ruang Lingkup Perancangan Arsitektur	52
V.2	Fase <i>Architecture Vision</i>	54
V.2.1	Identifikasi <i>Stakeholder</i>	54
V.2.2	Identifikasi Proses Bisnis	58
V.2.3	<i>Goal Diagram</i>	59
V.2.4	<i>Solution Concept Diagram</i>	60
V.2.5	<i>Requirement Catalog</i>	61
V.2.6	<i>Business Model Canvas</i>	62
V.2.7	<i>Business Scenario</i>	64
V.3	Fase Arsitektur Bisnis	68
V.3.1	<i>Business Service Function Catalog</i>	68
V.3.2	<i>Organization / Actor Catalog</i>	70

V.3.3	<i>Functional Decomposition Diagram</i>	72
V.3.4	<i>Business Interacion Matrix</i>	73
V.3.5	<i>Actor/Role Matrix</i>	75
V.3.6	<i>Location Catalog</i>	78
V.3.7	<i>Process Flow Diagram</i>	81
V.3.8	<i>Business Footprint Diagram</i>	91
V.3.9	<i>Gap Analysis Business Architecture</i>	92
V.4	<i>Fase Data Architecture</i>	94
V.4.1	<i>Data Entity/ Data Component</i>	94
V.4.2	<i>Data Entity/Business Function Matrix</i>	107
V.4.3	<i>Application/Data Matrix</i>	110
V.4.4	<i>Entity Relationship Diagram</i>	111
V.4.5	<i>Data Dissemination Diagram</i>	116
V.4.6	<i>Class Diagram</i>	118
V.4.7	<i>Gap Analysis Data Architecture</i>	119
V.5	<i>Application Architecture</i>	121
V.5.1	<i>Application Portofolio Catalog</i>	121
V.5.2	<i>Application/Organization Matrix</i>	123
V.5.3	<i>Application/Function Matrix</i>	127
V.5.4	<i>Application Interaction Matrix</i>	128
V.5.5	<i>Interface Catalog</i>	131
V.5.6	<i>Application Use Case Diagram</i>	133
V.5.7	<i>Integration Application</i>	136
V.5.8	<i>Application Communication Diagram</i>	137
V.5.9	<i>Gap Analysis Application Architecture</i>	138
V.6	<i>Fase Architecture Technology</i>	139
V.6.1	<i>Technology Architecture Requirements</i>	140
V.6.2	<i>Technology Standar Catalog</i>	140
V.6.3	<i>System Technology Matrix</i>	143
V.6.4	<i>Environment and Location Diagram</i>	144
V.7	<i>Perform Gap Analysis</i>	145
V.7.1	<i>Gap Analysis Business Architecture</i>	145
V.7.2	<i>Gap Analysis Data Architecture</i>	147
V.7.3	<i>Gap Analysis Application Architecture</i>	156

<i>V.8 Fase Opportunities and Solution</i>	157
<i>V.8.1 Identifikasi Inisiatif Strategi dan Benefit Berdasarkan Sasaran Perusahaan dan Solusi</i>	158
<i>V.8.2 Benefit Diagram</i>	160
<i>V.9 Fase Migration Planning</i>	161
<i>V.9.1 Identifikasi Dependencies</i>	161
<i>V.9.2 Analisis Kelayakan Berdasarkan Benefit/Effort Matrix</i>	163
<i>V.9.3 Roadmap</i>	165
BAB VI KESIMPULAN DAN SARAN	169
VI.1 Kesimpulan	169
VI.2 Saran	172
DAFTAR PUSTAKA	173
LAMPIRAN	175