

DAFTAR ISI

LEMBAR PENGESAHAN	i
LEMBAR PERNYATAAN ORISINALITAS	ii
ABSTRAK	iii
<i>ABSTRACT</i>	iv
KATA PENGANTAR	v
DAFTAR ISI.....	vi
DAFTAR GAMBAR	x
DAFTAR TABEL	xi
DAFTAR ISTILAH	xii
DAFTAR SINGKATAN	xiii
BAB 1 PENDAHULUAN	1
1.1 Latar Belakang	1
1.2 Perumusan Masalah.....	4
1.3 Tujuan Penelitian.....	4
1.4 Batasan Masalah.....	4
1.5 Manfaat Penelitian.....	5
1.6 Sistematika Penulisan.....	5
BAB II KAJIAN TEORI.....	6
II.1 Enterprise Architecture.....	6
II.1.1 Enterprise	6
II.1.2 Architecture	6
II.2 Framework.....	6
II.2.1 Perbandingan Framework	7
II.2.2 Jenis-Jenis Framework.....	8
II.2.3 Fase Togaf ADM	10
II.2.4 Fase Togaf ADM	10
II.3 Architecture Reference	12
II.3.1 Generik reference togaf	12
II.3.2 Standar Industri Kayu	13
II.3.3 Spesifikasi Perusahaan West Fraser	15
II.3.4 Proses Bisnis Perhutani.....	19
II.3.5 Analisa Architecture Reference	20
II.4 Fungsi Produksi.....	21

II.4.1 Tahap-Tahap Pada Produksi	21
II.4.2 Jenis-Jenis Kayu	22
II.4.3 Jenis-jenis Mesin Dasar Pada Produksi Kayu.....	24
BAB III METODOLOGI PENELITIAN.....	26
III.1 Model Konseptual	26
III.2 Sistematika Penelitian	28
BAB IV PENGUMPULAN DATA DAN IDENTIFIKASI ARCHITECTURE ENTERPRISE EXISTING FUNGSI PRODUKSI	31
IV.1 Ruang Lingkup	31
IV.2 Kebutuhan Data	31
IV.2.1 Data Primer	31
IV.2.2 Data Sekunder	31
IV.3 Metode Pengumpulan Data	34
IV.4 Fase Identifikasi	34
IV.4.1 Deskripsi Objek Penelitian.....	34
IV.4.2 Gambaran Umum Organisasi.....	34
IV.4.3 Visi dan Misi Perusahaan.....	38
IV.4.4 Visi dan Misi Perhutani Gresik.....	38
IV.4.5 Tujuan dan Sasaran Organisasi	38
IV.4.6 Struktur Organisasi	39
IV.5 Identifikasi Arsitektur Bisnis, Data, Aplikasi, dan Teknologi	39
IV.5.1 Identifikasi Arsitektur Bisnis	39
IV.5.2 Identifikasi Kondisi Existing Data	44
IV.5.3 Identifikasi Kondisi Existing Aplikasi	45
IV.5.4 Identifikasi Kondisi Existing Teknologi	46
BAB V ANALISIS DAN PERANCANGAN	47
V.1 Fase <i>Preliminary</i>	47
V.2 Fase <i>Architecture Vision</i>	49
V.2.1 <i>Stakeholder Map Matrix</i>	49
V.2.2 <i>Value Chain Diagram</i>	55
V.2.3 <i>Goal Diagram</i>	56
V.2.4 <i>Solution Concept Diagram</i>	57
V.2.5 <i>Business Scenario</i>	57
V.3 Fase Arsitektur Bisnis	61
V.3.1 <i>Drivers/Goals/Objective Catalog</i>	61
V.3.2 <i>Objective Requirement</i>	62

V.3.3	<i>Requirement Catalog Business Architecture</i>	63
V.3.4	<i>Business Footprint Diagram</i>	63
V.3.5	<i>Business Service Function Catalog</i>	64
V.3.6	<i>Organization / Actor Catalog</i>	72
V.3.7	<i>Functional Decomposition</i>	75
V.3.8	<i>Business Interacrion Matrix</i>	76
V.3.9	<i>Actor/Role Matrix</i>	79
V.3.10	<i>Business Process Flow</i>	82
V.4	<i>Fase Information Systems Architecture: Data Architecture</i>	104
V.4.1	<i>Requirement Catalog Data Architecture</i>	104
V.4.2	<i>Data Entity/ Data Component</i>	104
V.4.3	<i>Data Entity/Business Function Matrix</i>	115
V.4.4	<i>Entity Relationship Diagram</i>	118
V.4.5	<i>Data Dissemination</i>	122
V.5	<i>Fase Information Systems Architecture: Application Architecture</i>	122
V.5.1	<i>Requirement Catalog Application Architecture</i>	123
V.5.2	<i>Application Portofolio Catalog</i>	123
V.5.3	<i>Application/Organization Matrix</i>	124
V.5.4	<i>Application/Function Matrix</i>	126
V.5.5	<i>Application Interaction Matrix</i>	127
V.5.6	<i>Interface Catalog</i>	128
V.5.7	<i>Application Use Case Diagram</i>	130
V.5.8	<i>Integration Application</i>	131
V.5.9	<i>Application Communication Diagram</i>	131
V.6	<i>Fase Architecture Technology</i>	132
V.6.1	<i>Technology Architecture Requirements</i>	132
V.6.2	<i>Technology Standar Catalog</i>	133
V.6.3	<i>System Technology Matrix</i>	136
V.6.4	<i>Environment and Location Diagram</i>	137
V.7	<i>Perform Gap Analysis</i>	138
V.7.1	<i>Gap Analysis Business Architecture</i>	138
V.7.2	<i>Gap Analysis Data Architecture</i>	139
V.7.3	<i>Gap Analysis Application Architecture</i>	142
V.7.4	<i>Gap Analysis Technology Architecture</i>	142
V.8	<i>Fase Opportunities and Solution</i>	144

V.8.1 Identifikasi Inisiatif Strategi dan Benefit Berdasarkan Sasaran Perusahaan dan Solusi	145
V.8.2 <i>Benefit Diagram</i>	148
V.9 Fase <i>Migration Planning</i>	148
V.9.1 Identifikasi Dependencies.....	148
V.9.2 Analisis Kelayakan	150
V.9.3 <i>Roadmap</i>	153
BAB VI KESIMPULAN DAN SARAN	155
VI.1 Kesimpulan.....	155
VI.2 Saran	156
Daftar Pustaka	157
Lampiran	158