

## DAFTAR ISI

LEMBAR PENGESAHAN .....	ii
LEMBAR PERNYATAAN ORISINALITAS .....	ii
ABSTRAK.....	iii
ABSTRACT.....	v
KATA PENGANTAR .....	vii
DAFTAR ISI.....	viii
DAFTAR GAMBAR .....	xvi
DAFTAR TABEL.....	xviii
DAFTAR ISTILAH .....	xx
DAFTAR SINGKATAN .....	xxi
Bab I.....	1
Pendahuluan.....	1
I.1    Latar Belakang .....	1
I.2    Rumusan Masalah .....	3
I.3    Tujuan Penelitian .....	3
I.4    Batasan Penelitian .....	3
I.5    Manfaat Penelitian .....	4
I.6    Sistematika Pelaporan .....	4
Bab II    Landasan Teori.....	6
II.1 Kajian pustaka .....	6
II.1.1 Enterprise Architecture .....	6
II.1.2 Framework Enterprise Architecture.....	7
II.1.3 The Open Group Architecture Framework (TOGAF).....	8
II.1.3.1 ADM.....	9
II.1.3.2 ADM guideline & techniques .....	11
II.1.3.3 Architecture Content Framework.....	11
II.1.3.4 Business Process Model Notation (BPMN) dan Enterprise Architecture Profile (EAP).....	12
II.2 Alasan pemilihan Framework.....	13
II.3 Posisi Penelitian.....	14

Bab III.....	17
Metodologi Penelitian.....	17
III.1 Konseptual Model .....	17
III.2 Sistematika Penelitian .....	18
Bab IV.....	29
PERSIAPAN DAN IDENTIFIKASI.....	29
IV.1 Deskripsi Objek Penelitian.....	29
IV.2 Gambaran Perusahaan .....	29
IV.3 Visi dan Misi Perum Perhutani .....	33
IV.3.1 Visi .....	33
IV.3.2 Misi.....	33
IV.3.3 Tata Nilai Perusahaan.....	33
IV.4 Value Chain.....	34
IV.5 Rencana Strategi.....	34
IV.6 Gambaran Kondisi Eksisting.....	36
IV.7 Rencana Kerja dan Anggaran Perusahaan .....	37
IV.8 Permasalahan Eksisting Perusahaan .....	38
Bab V .....	40
ANALISIS DAN PERANCANGAN .....	40
V.1 Preliminary Phase .....	40
V.1.1 Scope the Enterprise Organizations Impacted.....	40
V.1.2 Confirm Governance and Support Frameworks .....	43
V.1.3 Define and Establish Enterprise Architecture Team and Organization .....	44
V.1.4 Identify and Establish Architecture Principles .....	46
V.1.5 Tailor the TOGAF Framework and, if any, Other Selected Architecture Framework(s).....	49
V.1.6 Implement Architecture Tools .....	50
V.2 Architecture Vision .....	50
V.2.1 Establish the Architecture Project .....	50
V.2.2 Identify Stakeholders, Concerns, and Business Requirements.....	50
V.2.3 Confirm and Elaborate Business Goals, Business Drivers, and Constraints .....	54
V.2.4 Evaluate Business Capabilities .....	55

V.2.5 Assess Readiness for Business Transformation .....	56
V.2.6 Define Scope.....	56
V.2.7 Confirm and Elaborate Architecture Principles, including Business Principles .....	57
V.2.8 Develop Architecture Vision .....	57
V.2.9 Define the Target Architecture Value Propositions and KPIs.....	58
V.2.10 Identify the Business Transformation Risks and Mitigation Activities .....	58
V.2.11 Develop Statement of Architecture Work; Secure Approval .....	58
V.3 Business Architecture .....	58
V.3.1 Select Reference Models, Viewpoints, and Tools .....	58
V.3.1.1 Determine overall modeling process.....	58
V.3.1.2 Identify required service granularity level, boundaries, and contract.....	59
V.3.1.3 Identify Required Catalogs of Business Building Blocks.....	59
V.3.1.4 Identify Required Matrices.....	59
V.3.1.5 Identify Required Diagrams .....	59
V.3.1.6 Identify types of Requirement to be Collected.....	60
V.3.2 Develop Baseline Business Architecture Description .....	60
V.3.2.1 Process Flow Diagram Baseline.....	60
V.3.2.1.1 Penjualan .....	60
V.3.2.1.2 Perencanaan pemasaran.....	61
V.3.2.1.3 Perencanaan penjualan .....	62
V.3.2.1.4 Pengelolaan pelanggan .....	63
V.3.2.1.5 Pengelolaan mitra .....	64
V.3.2.1.6 Penilaian kinerja penjualan .....	65
V.3.3 Develop Target Business Architecture Description .....	66
V.3.3.1 Requirement Catalog Business Architecture.....	67
V.3.3.2 Proses flow diagram target .....	67
V.3.3.2.1 Penjualan .....	67
V.3.3.2.2 Perencanaan Pemasaran .....	68

V.3.3.2.3 Perencanaan Penjualan .....	68
V.3.3.2.4 Pengelolaan Pelanggan.....	69
V.3.3.2.5 Pengelolaan mitra .....	70
V.3.3.2.6 Penilaian kinerja penjualan .....	71
V.3.3.3 Business Footprint Diagram .....	72
V.3.3.4 Organization/Actor Catalog .....	74
V.3.3.5 Role Catalog .....	79
V.3.3.6 Business Service/Function Catalog.....	86
V.3.3.7 Business Interaction Matrix.....	88
V.3.3.8 Product lifecycle Diagram.....	93
V.3.3.9 Functional Decomposition Diagrams .....	94
V.3.3.10 Business service/ information diagram .....	95
V.3.3.11 Actor/Roles Matrix.....	97
V.3.4 Perform Gap Analysis .....	97
V.3.5 Define Candidate Roadmap Components.....	99
V.3.6 Resolve Impacts Across the Architecture Landscape.....	99
V.3.7 Conduct Formal Stakeholder Review .....	99
V.3.8 Finalize the Business Architecture .....	99
V.3.9 Create Architecture Define Document .....	99
V.4 Information Systems Architectures .....	100
V.4.1 Data Architecture.....	100
V.4.1.1 Select Reference Models, Viewpoints, and Tools.....	100
V.4.1.1 Determine overall modeling process .....	100
V.4.1.2 Identify Required Catalogs of Business Business Building Blocks.....	100
V.4.1.3 Identify Required Matrices.....	101
V.4.1.4 Identify Required Diagrams .....	101
V.4.1.5 Identify types of Requirement to be Collected.....	101
V.4.1.2 Develop Baseline Data Architecture Description .....	102

V.4.1.2.1 Data Entity/Data Component Catalog .....	102
V.4.1.3 Develop Target Data Architecture Description.....	102
V.4.1.3.1 Requirement Catalog Data Architecture .....	102
V.4.1.3.2 Data Entity/Data Component Catalog .....	103
V.4.1.3.3 Data Entity/Business Function Matrix .....	106
V.4.1.3.4 Application/data matrix .....	108
V.4.1.3.5 Conceptual Data Diagram .....	109
V.4.1.3.6 Logical Data Diagram .....	111
V.4.1.3.7 Data Dissemination Diagram .....	113
V.4.1.4 Perform Gap Analysis .....	114
V.4.1.5 Define Candidate Roadmap Components .....	120
V.4.1.6 Resolve Impacts Across the Architecture Landscape .....	120
V.4.1.7 Conduct Formal Stakeholder Review.....	120
V.4.1.8 Finalize the Data Architecture.....	120
V.4.1.9 Create Architecture Define Document .....	120
V.4.2 Application Architecture .....	120
V.4.2.1 Select Reference Models, Viewpoints, and Tools.....	120
V.4.2.1.1 Determine overall modeling process .....	120
V.4.2.1.2 Identify Required Catalogs of Business Building Blocks.....	121
V.4.2.1.3 Identify Required Matrices.....	121
V.4.2.1.4 Identify Required Diagrams .....	121
V.4.2.1.5 Identify types of Requirement to be Collected.....	122
V.4.2.2 Develop Baseline Application Architecture Description .....	122
V.4.2.3 Develop Target Application Architecture Description .....	122
V.4.2.3.4 Application Architecture Requirement .....	122
V.4.2.3.4 Application portfolio catalog.....	123

V.4.2.3.5 Interface Catalog .....	123
V.4.2.3.6 Application/organization matrix.....	124
V.4.2.3.7 Application/role matrix .....	125
V.4.2.3.8 Application/function matrix .....	125
V.4.2.3.9 Application Interaction Matrix .....	126
V.4.2.3.10 Application communication Diagram .....	126
V.4.2.3.11 Application and User Location Diagram.....	127
V.4.2.3.12 Application use-case diagram .....	128
V.4.2.4 Perform Gap Analysis .....	130
V.4.2.5 Define Candidate Roadmap Components .....	131
V.4.2.6 Resolve Impacts Across the Architecture Landscape .....	131
V.4.2.7 Conduct Formal Stakeholder Review.....	131
V.4.2.8 Finalize the Application Architecture .....	131
V.4.2.9 Create Architecture Define Document .....	131
V.5 Technology Architecture .....	131
V.5.1 Select Reference Models, Viewpoints, and Tools .....	131
V.5.1.2 Determine overall modeling process .....	132
V.5.1.3 Identify Required Catalogs of Business Business Building Blocks.....	132
V.5.1.4 Identify Required Matrices.....	132
V.5.1.5 Identify Required Diagrams .....	132
V.5.1.6 Identify types of Requirement to be Collected.....	133
V.4.2.2 Develop Baseline TechnologyArchitecture Description .....	133
V.4.2.2.1 Technology standard catalog.....	133
V.4.2.2.2 Technology portfolio catalog .....	134
V.4.2.3 Develop Target Technology Architecture Description.....	134
V.4.2.3.1 Technology Architecture Requirement .....	134
V.4.2.3.2 Technology portfolio catalog .....	135

V.4.2.3.3 Application/Technology Matrix .....	136
V.4.2.3.4 Environment and Locations Diagram.....	137
V.4.2.3.5 Platform Decomposition Diagram.....	138
V.4.2.4 Perform Gap Analysis .....	138
V.4.2.5 Define Candidate Roadmap Components.....	140
V.4.2.6 Resolve Impacts Across the Architecture Landscape.....	140
V.4.2.7 Conduct Formal Stakeholder Review .....	140
V.4.2.8 Finalize the Technology Architecture .....	140
V.4.2.9 Create Architecture Define Document .....	140
V.6 Opportunities & Solution .....	140
V.6.1 Determine/Confirm Key Corporate Change Attribute .....	140
V.6.2 Determine Business Constraints for Implementation .....	142
V.6.3 Review and Consolidate Gap Analysis Results from Phases B to D .....	143
V.6.4 Review Consolidate Requirements Across Related Business Functions .....	147
V.6.5 Consolidate and Reconcile Interoperability Requirements .....	149
V.6.6 Refine and Validate Dependencies.....	150
V.6.7 Confirm Readness and Risk for Business Transformation.....	150
V.6.8 Formulate Implementation and Migration Strategy .....	151
V.6.9 Identify and Group Major Work Packages.....	151
V.6.10 Identify Transition Architectures.....	153
V.6.11 Create the Architecture Roadmap & Implementation and Migration Plan.....	154
V.7 Migration Planning.....	155
V.7.1 Confirm Management Framework Interactions for the Implementation and Migration Plan.....	155
V.7.2 Assign a Business Value to each Work Package.....	156
V.7.3 Estimate Resource Requirement Requirement, Project Timings, and Availability/ Delivery Vehicle .....	158
V.7.4 Prioritize the Migration Projects through the Conduct of a Cost/Benefit Assessment and Risk Validation.....	159

V.7.5 Confirm Architecture Roadmap and Update Architecture Definition Document.....	160
V.7.6 Generate the Implementation and Migration Plan.....	160
V.7.7 Complete the Architecture Development Cycle and Document Lesson Learned.....	161
Bab VI Kesimpulan dan Saran .....	162
VI.1 Kesimpulan .....	162
VI.2 Saran.....	163
DAFTAR PUSTAKA .....	164
LAMPIRAN.....	166