

DAFTAR ISI

LEMBAR PENGESAHAN	i
ABSTRAK	iii
ABSTRACT	v
UCAPAN TERIMA KASIH/KATA PENGANTAR	vi
DAFTAR ISI	vii
DAFTAR GAMBAR DAN ILUSTRASI	xi
DAFTAR TABEL	xiii
Bab I Pendahuluan	1
I.1 Latar Belakang	1
I.2 Rumusan Masalah	3
I.3 Tujuan Penelitian	3
I.4 Manfaat Penelitian	4
I.5 Batasan Masalah	4
I.6 Sistematika Penelitian	5
Bab II Tinjauan Pustaka	7
II.1 <i>Enterprise Architecture</i>	7
II.2 <i>Framework Enterprise Architecture</i>	8
II.3 Perbandingan <i>Framework Enterprise Architecture</i>	9
II.3.1 TOGAF	9
II.3.2 <i>Zachman Framework</i>	10
II.3.3 <i>Federal Enterprise Architecture Framework (FEAF)</i>	11
II.3.4 Gartner	12
II.4 <i>Tools Perancangan Enterprise Architecture</i>	13
II.5 <i>Reference Model</i>	14
II.5.1 <i>SAP S/4 HANA (R&D Engineering)</i>	14
II.5.2 <i>Oracle Product Lifecycle Management</i>	17
Bab III Metodologi Penelitian	21
III.1 Model Konseptual	21
III.2 Sistematika Penelitian	22
III.2.1 Tahap <i>Review Data</i>	23

III.2.2 Tahap Koleksi Data.....	24
III.2.3 Tahap Analisis Data	24
III.2.4 Tahap Interpretasi Data	27
III.3 Artifak TOGAF ADM	27
Bab IV Persiapan dan Identifikasi	34
IV.1 Deskripsi Objek Penelitian	34
IV.1.1 Gambaran Perusahaan.....	34
IV.1.2 Struktur Organisasi	35
IV.1.3 Visi dan Misi Perusahaan	36
IV.1.4 Sikap Dasar dan Budaya Perusahaan.....	37
IV.1.5 <i>Key Performance Indicator</i> Fungsi Pengembangan Teknologi.....	38
IV.1.6 Rencana Strategis.....	39
IV.1.7 Gambaran Kondisi Aplikasi Eksisting.....	43
IV.1.8 Proses Bisnis Perusahaan.....	43
IV.1.9 Permasalahan Eksisting Perusahaan	44
Bab V Analisis dan Perancangan	46
V.1 <i>Preliminary Phase</i>	46
V.1.1 <i>Principle Catalog</i>	46
V.2 <i>Architecture Vision</i>	58
V.2.1 <i>Stakeholder Map Matrix</i>	59
V.2.2 <i>Value Chain Diagram</i>	101
V.2.3 <i>Solution Concept Diagram</i>	101
V.2.4 <i>Goal Diagram</i>	102
V.2.5 <i>Goal Catalog</i>	103
V.2.6 <i>Requirement Catalog</i>	111
V.3 <i>Business Architecture</i>	114
V.3.1 <i>Business Architecture Requirement</i>	114
V.3.2 <i>Business Footprint Diagram</i>	114
V.3.3 <i>Goal/Objective/Requirement Catalog</i>	116
V.3.4 <i>Business Interaction Matrix</i>	118
V.3.5 <i>Functional Decomposition Diagram</i>	140
V.3.6 <i>Business Service/Function Catalog</i>	141

V.3.7	<i>Organization/Actor Catalog</i>	143
V.3.8	<i>Role Catalog</i>	144
V.3.9	<i>Process Flow Diagram</i>	147
V.3.10	<i>Actor/Role Matrix</i>	159
V.3.11	<i>Process/Event/Control/Product Catalog</i>	162
V.3.12	<i>GAP Analysis Business Architecture</i>	196
V.4	<i>Information System Architecture</i>	199
V.4.1	<i>Data Architecture</i>	199
V.4.2	<i>Application Architecture</i>	220
V.5	<i>Technology Architecture</i>	231
V.5.1	<i>Technology Architecture Requirement</i>	232
V.5.2	<i>Technology Standard Catalog</i>	232
V.5.3	<i>Technology Portofolio Catalog</i>	235
V.5.4	<i>Application/Technology Matrix</i>	238
V.5.5	<i>Environment and Location Diagram</i>	239
V.5.6	<i>Platform Decomposition Diagram</i>	240
V.5.7	<i>GAP Analysis Technology Architecture</i>	240
V.6	<i>Opportunities and Solution</i>	244
V.6.1	<i>Implementation Factor Assesment and Deduction Matrix</i>	244
V.6.2	<i>Consolidate GAPs and Solutions Matrix</i>	248
V.6.3	<i>Consolidate and Reconcile Interoperability Requirements</i>	253
V.6.4	<i>Project Catalog</i>	253
V.6.5	<i>Project Context Diagram</i>	254
V.6.6	<i>Benefit Diagram</i>	256
V.7	<i>Migration Planning</i>	257
V.7.1	<i>Estimate Value and Risk</i>	257
V.7.2	<i>Valuasi Investasi Proyek TI</i>	259
V.7.3	<i>Business Value Assesment</i>	264
V.7.4	<i>Prioritas Pembangunan Proyek</i>	264
V.7.5	<i>IT Roadmap</i>	266
Bab VI	<i>Kesimpulan dan Saran</i>	268
VI.1	<i>Kesimpulan</i>	268

VI.2 Saran	269
DAFTAR PUSTAKA	270
LAMPIRAN	273
Lampiran 1: <i>Solution Concept Diagram</i> Perusahaan Industri dan Manufaktur..	273
Lampiran 2: <i>Environment Location Diagram</i> Perusahaan Industri dan Manufaktur	274
Lampiran 3: <i>Technology Portofolio Catalog</i> Perusahaan Industri dan Manufaktur	275
Lampiran 4: <i>Project Catalog</i> Perusahaan Industri dan Manufaktur	312
Lampiran 5: Rincian Valuasi Investasi Proyek Integrasi Aplikasi PDM SolidWork dengan Xcelsius	320
Lampiran 6: Rincian Valuasi Investasi Proyek Pembuatan Aplikasi Pengelolaan Kerjasama.....	327
Lampiran 7: <i>Blueprint Enterprise Architecture</i> Perusahaan Industri dan Manufaktur.....	331