

DAFTAR ISI

| | |
|---|------|
| SKRIPSI | i |
| LEMBAR PENGESAHAN NASKAH SKRIPSI | iii |
| SURAT PERNYATAAN TENTANG ORISINALITAS | iv |
| PEDOMAN PENGGUNAAN SKRIPSI | v |
| KATA PENGANTAR | vii |
| UCAPAN TERIMAKASIH | viii |
| ABSTRAK | x |
| ABSTRACT | xi |
| DAFTAR GAMBAR | xiv |
| DAFTAR TABEL | xv |
| DAFTAR LAMPIRAN | xvi |
| BAB I PENDAHULUAN | 1 |
| 1.1 Latar Belakang | 1 |
| 1.2 Rumusan Masalah | 5 |
| 1.3 Tujuan Penelitian | 5 |
| 1.4 Manfaat Penelitian | 6 |
| 1.5 Batasan Masalah | 6 |
| BAB II TINJAUAN PUSTAKA | 7 |
| 2.1 Bentar Swalayan | 7 |
| 2.2 <i>Inventory</i> | 9 |
| 2.3 Arsitektur <i>Enterprise</i> | 10 |

| | | |
|-----------------------------------|--|----|
| 2.4 | <i>Enterprise Architecture Planning (EAP)</i> | 11 |
| 2.5 | TOGAF – <i>Architecture Development Method (ADM)</i> | 12 |
| 2.6 | <i>Analisis Gap</i> | 16 |
| 2.7 | <i>Business Process Model and Notation (BPMN)</i> | 16 |
| 2.8 | <i>Conceptual Data Model (CDM) dan Physical Data Model (PDM)</i> | 18 |
| 2.9 | <i>Value Chain Diagram</i> | 20 |
| BAB III METODE PENELITIAN | | 23 |
| 3.1 | Objek dan Waktu Penelitian | 23 |
| 3.2 | Pengumpulan Data | 23 |
| 3.3 | Perencanaan Arsitektur <i>Enterprise</i> | 27 |
| BAB IV HASIL DAN PEMBAHASAN | | 30 |
| 4.1 | <i>Preliminary Phase: Framework and Principles</i> | 30 |
| 4.2 | <i>Phase A: Architecture Vision</i> | 33 |
| 4.3 | <i>Phase B: Business Architecture</i> | 47 |
| 4.4 | <i>Phase C: Information System Architecture</i> | 53 |
| 4.5 | <i>Phase D: Technology Architecture</i> | 59 |
| 4.6 | <i>Phase E: Opportunities & Solutions</i> | 63 |
| 4.7 | Verifikasi Hasil | 72 |
| BAB V KESIMPULAN DAN SARAN | | 73 |
| DAFTAR PUSTAKA | | 75 |
| LAMPIRAN | | 76 |

DAFTAR GAMBAR

Gambar 2.1 Struktur Organisasi Bentar Swalayan 8

Gambar 2.2 Tahapan Proses TOGAF ADM (The Open Group, 2009)..... 13

Gambar 2.3 Analisis Gap Arsitektur Aplikasi..... 16

Gambar 2.4 Elemen-elemen BPMN (Chinosi & Trombetta, 2012) 17

Gambar 2.5 Model Sederhana BPMN (Chinosi & Trombetta, 2012) 18

Gambar 2.6 Contoh CDM Sederhana (Ghazali, 2016) 19

Gambar 2.7 Contoh PDM Sederhana (Ghazali, 2016) 20

Gambar 2.8 Value Chain Diagram (Porter, 1985)..... 21

Gambar 2.9 Stakeholder Map Matrix (Ramdhani, 2017) 22

Gambar 3.1 Skema Metodologi Penelitian 27

Gambar 4.1 Diagram Value Chain Analysis Bentar Swalayan 37

Gambar 4.2 BPMN Proses Pembelian Barang (Deltasari & Rewwin) 42

Gambar 4.3 BPMN Proses Pembelian Barang (Mojokerto) 42

Gambar 4.4 BPMN Proses Penjualan Barang 43

Gambar 4.5 BPMN Proses Pengembalian Barang (Deltasari & Rewwin) 44

Gambar 4.6 BPMN Proses Pengembalian Barang (Mojokerto)..... 45

Gambar 4.7 BPMN Proses Perbaikan Pembelian Barang..... 50

Gambar 4.8 Proses Perbaikan Penjualan Barang..... 51

Gambar 4.9 BPMN Proses Perbaikan Pengembalian Barang 52

Gambar 4.10 BPMN Aplikasi Executive Monitoring 52

Gambar 4.11 CDM Proses Stock Inventory Control 55

Gambar 4.12 PDM Proses Stock Inventory Control..... 56

Gambar 4.13 Arsitektur Teknologi yang Diusulkan..... 62

DAFTAR TABEL

| | |
|--|----|
| Tabel 2.1 Daftar Tupoksi Pegawai Bentar Swalayan | 8 |
| Tabel 3.2 Tabel Referensi | 25 |
| Tabel 4.3 Stakeholder Analysis Matrix..... | 35 |
| Tabel 4.4 Role dan Concern Stakeholder..... | 36 |
| Tabel 4.5 Kendala Proses Bisnis di Bentar Swalayan | 45 |
| Tabel 4.6 Masalah dan Rencana Solusi | 48 |
| Tabel 4.7 Daftar Entitas & Atribut Data | 53 |
| Tabel 4.8 Application Portfolio Catalog | 58 |
| Tabel 4.9 Daftar Kandidat Teknologi | 60 |
| Tabel 4.10 Spesifikasi & Jumlah Usulan Perangkat Keras | 61 |
| Tabel 4.11 Analisis Gap Arsitektur Bisnis | 64 |
| Tabel 4.12 Analisis <i>Gap</i> Arsitektur Data..... | 66 |
| Tabel 4.13 Analisis Gap Arsitektur Aplikasi | 68 |
| Tabel 4.14 Analisis Gap Arsitektur Teknologi..... | 69 |
| Tabel 4.15 Tabel Portfolio Aplikasi McFarlan..... | 70 |
| Tabel 4.16 Pemetaan Waktu Rencana Strategi Implementasi..... | 71 |

DAFTAR LAMPIRAN

| | |
|---|----|
| Lampiran 1 Faktur | 76 |
| Lampiran 2 Struk Penjualan | 76 |
| Lampiran 3 <i>Form</i> Retur | 76 |
| Lampiran 4 <i>Purchase Order</i> | 76 |
| Lampiran 5 <i>Interview Outline</i> | 76 |
| Lampiran 6 Interview Outline of Agreement | 76 |
| Lampiran 7 Dokumen Verifikasi..... | 76 |