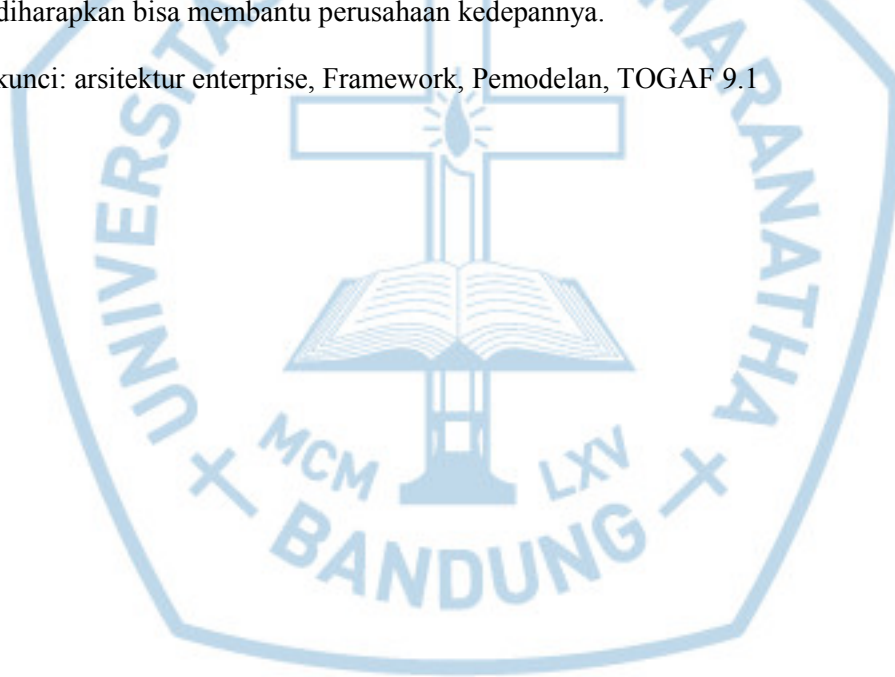


ABSTRAK

Pemodelan Sistem informasi dengan menggunakan Framework TOGAF 91. untuk PT. Nusantara Ekahandal Elektrostatic ini dilakukan karena sampai saat ini PT. PT. Nusantara Ekahandal Elektrostatic masih belum mempunyai sistem informasi dan rancangan enterprise arsitektur yang jelas dalam menjalankan proses kegiatannya. Pemodelan ini bertujuan untuk mendapatkan rancangan arsitektur enterprise yang bisa berupa rancangan sistem informasi untuk mendukung proses berjalannya perusahaan. Teori yang digunakan pada pemodelan ini adalah tentang sistem informasi, arsitektur enterprise, UML dan juga TOGAF itu sendiri. Sumber data didapatkan dari hasil analisis dan juga hasil wawancara dengan perusahaan, serta untuk sumber data sekunder berasal dari sumber buku ataupun jurnal penelitian yang berhubungan dengan topik ini. Pemodelan dilakukan berdasarkan framework TOGAF ADM mulai dari fase preliminary hingga D. Dimana preliminary akan membahas persiapan arsitektur, fase A akan membahas visi arsitektur, fase b akan membahas arsitektur bisnis, fase C akan membahas tentang arsitektur aplikasi dan data, dan untuk fase D akan membahas tentang teknologi arsitektur. Dengan hasil pemodelan ini diharapkan perusahaan bisa mengimplementasikan hasil rancangan yang bisa berupa rancangan sistem informasi dan arsitektur enterprise yang diharapkan bisa membantu perusahaan kedepannya.

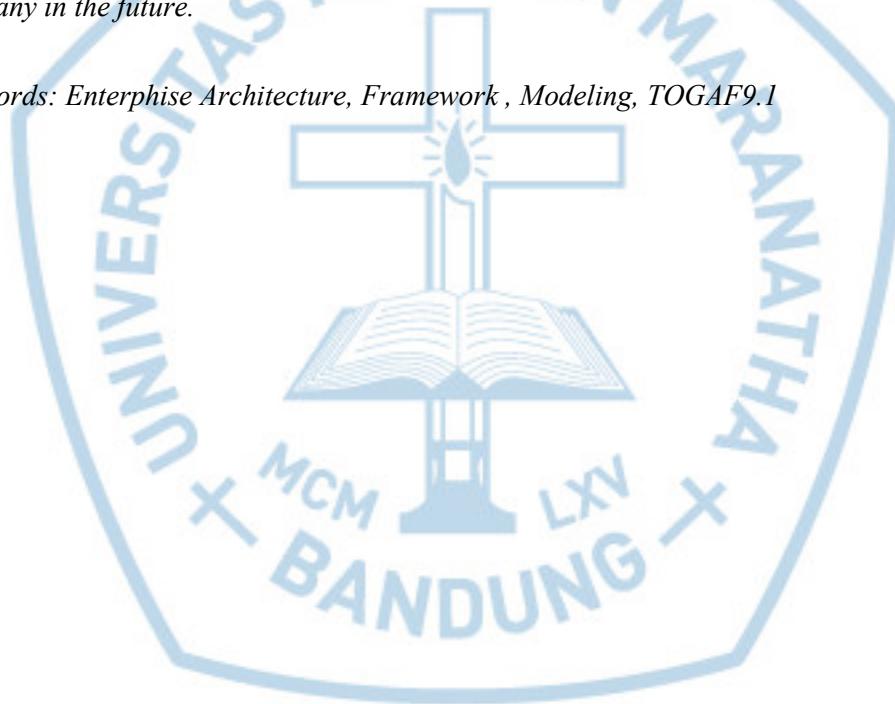
Kata kunci: arsitektur enterprise, Framework, Pemodelan, TOGAF 9.1



ABSTRACT

Information System Modeling with TOGAF 9.1 Framework for Nusantara Ekahandal Elektrostatic Enterprise was carried out because until now Nusantara Ekahandal Elektrostatic Enterprise still not yet having a information system and a clear enterprise architecture for supporting its activity. The modeling is intend to get the design for enterprise architecture that can be a information system design to supports the company. Theory that has been used in this modeling are information system, enterprise architecture, UML, and TOGAF itself. Data sources are from analysis and interviews with the company, and for the secondary are get from book, and report that have the same topics. The modeling was carried out based of TOGAF ADM phase start from preliminary phase to phase D. Where preliminary stage is where the preparation for the enterprise architecture are made, phase a is where the vision architecture was discussed, phase b dicussed about business architecture, phase C discussed about data and application architecture, and phase D is discussed about technology architecture. With the results of this modeling company be expected to implemented the design that can be a sistem information design and enterprise architecture that expected to supports the company in the future.

Keywords: Enterprise Architecture, Framework , Modeling, TOGAF9.1



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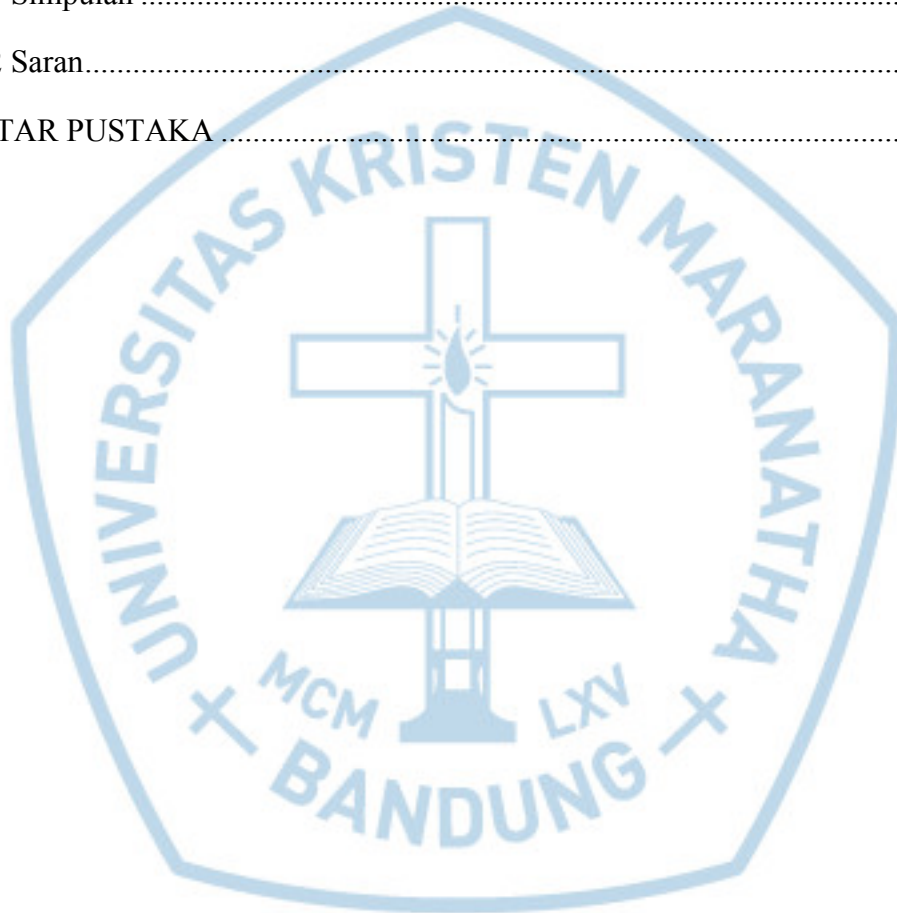
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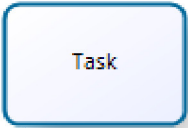
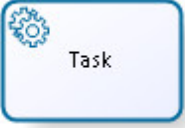
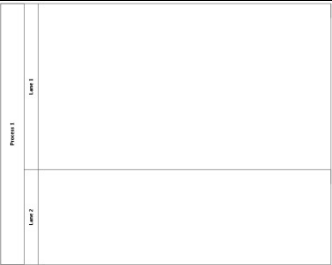
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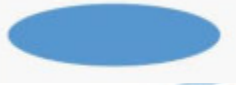
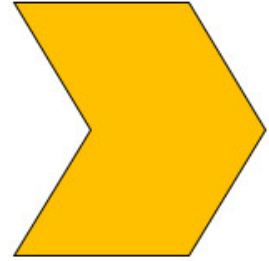
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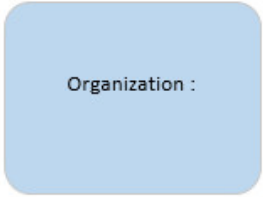
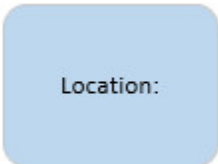
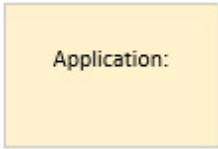
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DAFTAR NOTASI/ LAMBANG

Jenis	Notasi/ Lambang	Nama	Arti
BPMN 2.0	 Start Event	Start Event	Memulai proses tertentu
BPMN 2.0	 End	End Event	Menandai berakhirnya suatu Proses
BPMN 2.0	 Task	Task	Menandari adanya suatu proses aktivitas pekerjaan
BPMN 2.0		Exclusive gateway	Menandai adanya suatu pilihan
BPMN 2.0	 Task	Automated task	Menandai adanya kegiatan yang berjalan sendirinya tanpa bantuan manusia
BPMN 2.0		Message Thrown	Menandai adanya pesan yang di berikan
BPMN 2.0	 Task	Task message	Menandai adanya kegiatan yang diakhiri dengan melempar pesan
BPMN 2.0		Timer event	Menandai ada suatu waktu tunggu
BPMN 2.0		Swimlane	Pengelompokan yang lebih detail

Jenis	Notasi/ Lambang	Nama	Arti
BPMN 2.0		Pool	Wadah untuk menampung suatu aktifitas
Usecase		Actor	Melambangkan pelaku tindakan
Usecase		Usecase	Menjelaskan interaksi yang dilakukan pelaku tertentu
Activity		Start	Menandai mulainya aktifitas
Activity		Activity	Menandai adanya aktifitas
Activity		Decision	Mendandai adanya pengambilan keputusan
Activity		end	Menandai berakhirnya suatu proses dalam sistem
Functional Decomposition Diagram		Primary	Menunjukkan Divisi atau bagian yang menjadi kegiatan utama
Functional Decomposition Diagram		Support	Menunjukkan Divisi atau bagian yang menjadi kegiatan pendukung

Jenis	Notasi/ Lambang	Nama	Arti
Functional Decomposition Diagram		Function	Merupakan fungsi yang ada pada suatu divisi
Organizational Decomposition Diagram		Organization	Menunjukkan Organisasi yang ada di perusahaan
Organizational Decomposition Diagram		Role	Menunjukkan <i>role</i> /peran yang ada di perusahaan
Organizational Decomposition Diagram		Location	Menunjukkan lokasi yang ada di perusahaan
Environments and Locations Diagram		Application	Menunjukan aplikasi yang digunakan
Environments and Locations Diagram		Location	Menunjukan lokasi perusahaan
Environments and Locations Diagram		Technology	Menunjukan technology perusahaan

Referensi:

Notasi/ Lambang BPMN 2.0 dari Object Management Group

Notasi/ Lambang Usecase dari Visio 2016

Notasi/ Lambang Activity dari Visio 2016

Notasi/ Lambang Functional Decomposition Diagram dari Visio 2016

Notasi/ Lambang Organizational Decomposition Diagram dari Visio 2016

DAFTAR SINGKATAN

BPMN	Business Process Model and Notation
ERD	Entity Relationship Diagram
SI	Sistem Informasi
TOGAF	The Open Group Architecture Framework
UML	Unified Modeling Language



DAFTAR ISTILAH

<i>Stakeholder</i>	Pihak yang berpengaruh dan memiliki hubungan dalam suatu organisasi/perusahaan
<i>Enterprise Architecture</i>	Manajemen dan teknologi yang bertujuan untuk meningkatkan performa enterprise dengan memungkinkan untuk penglihatan yang terintegrasi dari strategi, arah bisnis, alur informasi, dan sumber daya teknologi.

