

## **ABSTRACT**

# **ENTERPRISE ARCHITECTURE AS A STRATEGY IN IMPROVING QUALITY IN QUALITY ASURANCE FUNCTION FOR INDUSTRIAL AND MANUFACTURING COMPANIES USING TOGAF ADM**

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Along with the development of the Indonesian Industry 4.0 technology has taken a new chapter in Information Technology, in short Indonesian companies are incessantly conducting digital transformation in order to make adjustments to customer needs ranging from MSME to Enterprise scale. And also the challenges that there are also more and more so that businesses are required to always be adaptive to the needs of existing organizations. The needs of the organization are the driving factors of the organization wanting to utilize Enterprise Architecture to produce a value with a predetermined goal, and therefore it is necessary to harmonize business strategy and IT strategy to achieve the right solution for the problems that exist in the company.

For a company has a high dedication to produce products and provide services, which are consistent in terms of quality, timely delivery, competitive prices and the best service. So this company wants to implement and develop the Quality Management System correctly, precisely and consistently in order to increase customer satisfaction, so that the company can be trusted and chosen by customers. In this final project research, the author plans the implementation of EA in Industrial and Manufacturing Companies which are BUMN (State-Owned Enterprise) companies. The company is engaged in the Alutsista (Main Tool Armament System) and commercial products, based on the regulation of the Minister of SOE RI No. PER-03 / MBU / 02/2018 concerning amendments to SOE Ministerial Regulation No. PER-02 / MBU / 2013 concerning guidelines for the preparation of SOE information technology management points 5.2.2 concerning IT design that

each SOE is required to have an IT Master Plan for 3-5 years and periodically reviewed in order to ensure alignment of business with IT , in accordance with the role of IT in SOEs.

In order to meet the Minister of SOE RI regulation No. PER-03 / MBU / 02/2018 requires an enterprise architecture design. Enterprise architecture design in manufacturing companies using TOGAF ADM. TOGAF ADM can describe the specific processes for the enterprise architecture development process in the company. In the TOGAF ADM phases used include: Preliminary Phase, Achievement Vision, Business Architecture, Information System Architecture, Technology Architecture, Opportunities and Solutions, and Migration Planing. Then this study will produce a blueprint architecture and IT roadmap that can be used as a guide to building a supervisory management in Manufacturing Companies.

Keywords: Industrial and Manufacturing Company, IT Master Plan, Enterprise Architecture, TOGAF ADM, Quality Assurance.