ABSTRACT

ENTERPRISE ARCHITECTURE AS STRATEGY IN OPTIMIZING OF INFORMATION TECHNOLOGY UTILITY IN INFORMATION MANAGEMENT FUNCTION OF INDUSTRIAL AND MANUFACTURING COMPANIES USING TOGAF ADM

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The following Manufacturing Company is one of the Badan Usaha Milik Negara *(BUMN, State-Owned Enterprises) companies engaged in the industrial sector and manufacturing of commercial products in Indonesia. Based on BUMN Ministerial Regulation No. PER-02/MBU/2013, this manufacturing company is required to have an IT Master Plan for 3 to 5 years so that the company can be integrated into a system supported by information technology to support its business processes. As time goes by, the information management function managing business strategies and information technology in Manufacturing Companies is increasingly developing with a variety of business strategies and applications used by companies to form complex communication patterns. It causes problems in the information management function, such as not yet achieving resource sharing and using efficient technology infrastructure. This study will discuss the design of Enterprise Architecture that can accommodate the needs of information management to support the business. Enterprise Architecture was built using TOGAF ADM because it was considered to have a complete phase. The design of Enterprise Architecture using TOGAF starts from the preliminary phase, architecture vision, business architecture, data architecture, application architecture, technology architecture, opportunities and solutions, and migration planning. This research produces artifacts in the form of a matrix, catalog, and diagram. The final result of the research is in the form of IT Roadmap Enterprise Architecture design that explains the priority of the proposed project and Blueprint Enterprise Architecture design which explains the general description of the proposed project in supporting the company's business processes.*

Keywords: *Enterprise Architecture, Information Technology (*IT*), Manufacturing, IT Master Plan, TOGAF ADM, IT Roadmap.*