

ABSTRACT

ANALYSIS AND DESIGN OF ENTERPRISE ARCHITECTURE DIRECTORATE OF METROLOGY ON PLANNING AND OPERATIONAL FUNCTIONS USING TOGAF ADM FRAMEWORK

By

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Directorate of Metrology is one of government agencies that has focused provide services measurement of UTPP instrument. In carrying out the main task stipulated on Trade Minister Regulation of Indonesia number 8/M-DAG/PER/2016 about Organization and Working Procedures of Trades Ministry that implementation the formulation, implementation and control policy, the guidelines, the norm, standard, procedures and criteria, as well as providing technical guidance and evaluation of policy implementation in the field of metrology. The Directorate of Metrology's main activities are licensing and nonlicensing services to improve traditional market image by the verifiable measurement results. Business activities will be easier if supported by the utilization of information technology. In order to align the aspect of business and information technology, it is necessary to design the enterprise architecture using TOGAF ADM framework as guidelines. Designing enterprise architecture consists several phase, there are preliminary phase until migration planning phase. This research will be discussed about business and information technology strategy of planning and operational function in Directorate of Metrology. The output of this research is blueprint business and information technology architecture baseline and target recommendation to improvement about information technology of planning and operational functions in Directorate of Metrology that can be used as reference for making strategic planning of system information in Metrology Directorate and IT Roadmap that can be used as a guide in the implementation of enterprise architecture.

Keywords: Directorate of Metrology, *Enterprise architecture*, Operational, TOGAF ADM.