

## **ABSTRACT**

### **ANALYSIS AND DESIGN OF ENTERPRISE ARCHITECTURE IN DIRECTORATE OF METROLOGY ON PERSONNEL AND FINANCIAL FUNCTION USING TOGAF ADM FRAMEWORK**

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Directorate of Metrology is a government agency engaged in community service in testing the measuring instruments, measuring, weighing, and equipment (UTTP). In performing the main duty stipulated in the Regulation of the Minister of Trade of the Republic of Indonesia (Permendagri) number 8 / M-DAG / PER / 2/2016 on the Organization and Working Procedures of the Ministry of Trade. There is one of the main activities undertaken, which is an orderly market program aimed at enhancing the traditional market image through the truth of measurement results on licensing and non-licensing services. This can be achieved by the information technology used by the Directorate of Metrology through the One Stop Service (PSP) information system used for the management of the acceptance data of metrology services. The complexity of the process neither the main activity nor support activities can be fulfilled in the information system. To meet these needs and align business aspects with the information technology aspect, then it is designed in the enterprise architecture with TOGAF ADM framework method. The Open Group Architecture Framework (TOGAF) consists of several phases that are used as guidelines for designing enterprise architecture, namely preliminary phase, architecture vision, business architecture, information system architecture, technology architecture, opportunities and solution, and migration planning. In this research will be discussed business strategy and infrastructure of Directorate of Metrology especially the function of personnel and finance. Using TOGAF ADM framework can produce blueprint architecture as material for preparing IT master plan of Directorate of Metrology.

**Keywords:** Blueprint, business strategy, Directorate of Metrology, enterprise architecture, TOGAF ADM