

## **ABSTRACT**

# **ENTERPRISE ARCHITECTURE USING TOGAF: ENTERPRISE RESOURCE PLANNING AS SOLUTION FOR DATA INTEGRATION (STUDY CASE: INVENTORY FUNCTION IN MANUFACTURING COMPANY)**

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PT Bio Farma (Persero) located in Bandung, West Java is the only pharmaceutical supply companies, especially vaccines engaged in manufacturing in Indonesia. To achieve the vision of PT. BIO FARMA itself requires information technology as a support for every line of business, especially in the Inventory function area. At this time, the company has used Enterprise Resource Planning (ERP) technology as an information system in the company. ERP technology in this company is used to integrate data as a whole from every function in the company. However, the use of ERP technology itself in this company has not been maximized, due to the inconsistency between the ongoing ERP implementation and the existing business strategy.

To harmonize the needs of information technology with existing business strategies, the company requires a design methodology that is used as a guide in building IT in the company. Enterprise Architecture (EA) is a solution that can be used in designing systems within a company by integrating domains such as business, applications, data, and technology. The approach used is TOGAF ADM which can fulfill system development needs and harmonize the four domains found in the company.

In this study, a design or blueprint will be produced regarding the description of the current ERP implementation conditions in the company, as well

as the targets proposed for improvement in the ERP system implementation. With the existence of these proposals, it is expected to be used as a guide in implementing ERP systems in the PT Bio Farma Inventory function in order to get more effective and efficient results.

Keywords: Enterprise Architecture, Data Integration, Inventory Functions, TOGAF ADM, Enterprise Resource Planning