

## **ABSTRACT**

# **ENTERPRISE ARCHITECTURE USING TOGAF: ENTERPRISE RESOURCE PLANNING AS SOLUTION FOR DATA INTEGRATION (STUDY CASE: PROCUREMENT FUNCTION IN PT BIO FARMA)**

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PT Bio Farma (Persero) is the only one pharmaceutical company in Indonesia which produces vaccines and sera to support immunization in Indonesia and other countries. To achieve the vision of PT Bio Farma itself requires Information Technology as a support for every business line that exists, especially in the procurement 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 for data integration as a whole from every function in the company. However, the use of ERP technology alone in this company has not been maximized, due to the inaccuracy between ERP implementation and existing business strategies.

To align the information technology needs with the existing business strategies, the company needs a blueprint 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 meet the needs of system development by aligning the four domains that exist in the company.

In this study, blueprint will be produced regarding the description of the existing ERP implementation conditions in the company, as well as the proposed target for improvement in ERP system implementation and serve as a guide in the implementation of system ERP in the procurement area of PT Bio Farma.

*Keywords: Enterprise Architecture, Data Integration, Procurement Function, TOGAF ADM*