

ABSTRACT

The need for more efficient public services due to the rapid growth of technology has made many government agencies decide to use information technology in their operations. Balai Besar Standardisasi dan Pelayanan Jasa Industri Bahan dan Barang Teknik (BBSPJIBBT), is a company that operates under the ministry of industry, handling industrial testing and certification. Currently, BBSPJIBBT is trying to use information technology to optimize its business activities. However, in its implementation, there are no guidelines that can help the company optimize the management of its resources and business activities. This has an impact on two work teams, namely the Engineering Services Development and Engineering Inspection teams. The problem that occurs is the implementation of business activities that are not supported by systems and integration between systems. As a result, the company cannot achieve alignment between business and information technology and the availability of accurate information. To overcome these problems, there are basic guidelines that can be used by companies, namely designing enterprise architecture. Enterprise architecture is a basic guideline that defines the current state and goals of the company in terms of business, data, applications, and technology. This research uses the TOGAF ADM 9.2 framework to design BBSPJIBBT's enterprise architecture. The design of enterprise architecture aims to help make company services run optimally supported by the best device that suits the needs of the company in line with the electronic-based government system.

Keywords: Engineering Services Development and Engineering Inspection Team, Enterprise Architecture, TOGAF ADM, Electronic Based Government System