

ABSTRACT

Information technology that is developing rapidly has an impact on system changes in various sectors to achieve an effective and efficient system, one of the sectors is the government sector with the implementation of E-Government. According to Presidential Regulation No. 95/2018 on Electronic-Based Government System, Electronic-Based Government System is a government administration that utilises information and communication technology to provide services to its users, and to realise clean, effective, transparent, and accountable governance. One of the agencies under the government that has adopted E-Government System is the Balai Besar Standardisasi dan Pelayanan Jasa Industri Bahan dan Barang Teknik (BBSPJIBBT) which is under the Ministry of Industry. BBSPJIBBT provides services related to the needs of testing, standardisation, inspection, certification, and audit service information. To support the main services, BBSPJIBBT has an Administration team consisting of several sub-teams, one of which is the Personnel sub-team. In the implementation of business processes in the Personnel sub-team, some are still carried out manually due to the unsuitability of applications with service needs. In addition, there are applications that do not run optimally so that business processes become ineffective. Therefore, it is necessary to design an enterprise architecture to align business and information technology, and meet the regulation in order to align the organisation and ensure the availability of information needed. This research focuses on designing enterprise architecture in the Personnel at BBSPJIBBT using TOGAF ADM starting from the preliminary phase to migration planning. This research will produce a targeting architecture blueprint that can be used as a source of agencies in developing currently owned information systems to increase the effectiveness of implementing business processes from available services.

Keywords: Administration, Electronic Based Government System, Enterprise Architecture, Personnel, TOGAF ADM