ABSTRACT

Over the past few years, the Government has used information and communication technology to integrate their internal functions and improve service delivery. With the urgency in administering e-government, governments from various countries have developed electronic-based government services in their countries, including Indonesia. One of the Governments in Indonesia that is improving e-Government services is the West Java Provincial Government. As part of the West Java Provincial Government, the Department of Energy and Mineral Resources (ESDM Department) has an active role in the West Java provincial government in the West Java Government's target to improve electrical energy infrastructure that supports economic growth and access to electricity for households to remote areas so that they can contribute in improving SPBE services in West Java Province. This research will be aimed at helping the effectiveness and efficiency of public services through the design of Enterprise Architecture (EA). EA can provide a comprehensive display of regulations, principles, services, solutions, standards, and guidelines that the West Java Provincial ESDM Department can use based on the ESDM Department's Strategic Plan and Governor's Decree Number: Kep.2231.a/KPG.03.01.01/Sekre. The EA design is carried out using the TOGAF ADM 9.2 framework and the Presidential Regulation on Electronic-Based Government System Architecture as a reference for preparing the architectural domain. This research will focus on business processes, data and information, applications, and services (excluding infrastructure and security). The final result of this research is an EA design blueprint that contains proposed solutions for business process improvements, data integration, application development, and fulfillment of public service needs concerning the Electricity Sector of the West Java Province ESDM Department in the hope of facilitating accessibility to electricity services in West Java.

Keyword ─ Electricity Sector, Enterprise Architecture (EA), TOGAF ADM 9.2, Electronic-Based Government System (SPBE).