

ABSTRACT

Technological developments are growing faster in this digital era, various technological advances can be obtained easily. The public also needs convenience in obtaining services and information about government, to provide the desired services and information, an electronic-based government system (SPBE) is needed. SPBE is implemented using the principles of effectiveness, cohesiveness, sustainability, efficiency, accountability, interoperability, and security. Kuningan Regency has implemented SPBE, but the SPBE index value achieved is only 2.11 with a sufficient predicate, and in the Information and Communication Technology (ICT) aspect it only gets a score of 1.67 which indicates that the use of SPBE in the government is not optimal. Therefore, the authors chose the Enterprise Architecture (EA) methodology research using TOGAF ADM best practices from the Preliminary Phase, Architecture Vision, to Technology Architecture by considering the analysis of organizational needs from 5 (five) main domains in Electronic-Based Government Systems, namely business, data , applications, services and infrastructure (technology), writer focuses on the infrastructure domain which will produce artifacts in the form of matrices, catalogs, and diagrams. By designing EA in the infrastructure domain, it can increase efficiency, security, and ease of SPBE integration. To get the desired results, the writer performs several stages, namely the preparation stage, the data collection stage, the analysis and design stage, the final stage, and the validation stage. These stages will produce a blueprint that can provide solutions for the development of the infrastructure domain in the Kuningan Regency Government.

Keywords—Kuningan Regency Government, SPBE, Enterprise Architecture. TOGAF ADM, Infrastructure Domain