

## **ABSTRACT**

### **The Architecture of Enterprise e-Government At The Infrastructure Domain In The Regional Government of Sukabumi Regency**

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In realizing an integration solution that is in accordance with the standardization of the Electronic-Based Government System (SPBE) in the Regional Government of Sukabumi Regency, according to Presidential Regulation No. 95 of 2018, the Sukabumi Government needs to utilize information and communication technology in accordance with the principles of effectiveness, integration, sustainability, efficiency, accountability, interoperability, and security. Therefore, the author chooses to use Enterprise Architecture (EA) as a tool to get a blueprint that is useful to the Sukabumi Regency Government. The SPBE EA design in this study focuses on the Infrastructure Domain. The design in this study produces TOGAF outputs, including the Principle Catalog, Stakeholder Map Matrix, Value Chain, Technology Standards Catalog, Technology Portfolio Catalog, and Application/Technology Matrix. In addition, this design produces outputs that are tailored to the needs of SPBE such as analysis of *existing* network topology and target network topology as well as *existing* and targeting internet access topologies. The main technology that is carried out to optimize business processes is by adding several technology components so that they can reach Regional Work Units (SKPD) such as adding wireless links and also implementing Multiprotocol Label Switching (MPLS). The design of the Enterprise Architecture (EA) blueprint which contains suggestions for improvements or additions to the technology owned by the Sukabumi Regency Government will be the final output of this research.

**Keywords:** SPBE, Enterprise Architecture, TOGAF, Sukabumi Regency Government, Infrastructure Architecture.