ABSTRACT

ENTERPRISE ARCHITECTURE AS A STRATEGY TO ACHIEVE SMART VILLAGE THROUGH SMART GOVERNANCE DIMENSION USING TOGAF 10 (CASE STUDY IN ONE OF THE INDEPENDENT VILLAGES IN BANJARAN)

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The utilization of information technology, such as the concepts of e-government and smart village as an extension of the smart city initiative, represents a strategic step in enhancing efficiency, transparency, and the quality of public services. The smart village concept emphasizes six main pillars, one of which is smart governance, aligning with the goals of the Sustainable Development Goals (SDGs) for Villages to promote sustainable development and community empowerment. This study focuses on the design of an enterprise architecture based on the smart village concept through the dimension of smart governance in Sindangpanon Village, Banjaran, Bandung Regency, West Java. However, Sindangpanon Village faces challenges, including limited data transparency, suboptimal infrastructure, manual administrative processes, and restricted online services. To address these challenges, the TOGAF 10 framework is employed in designing the enterprise architecture, focusing on phases such as the preliminary phase, architecture vision, business architecture, information system architecture, technology architecture, opportunities and solutions, and migration planning. This research aims to develop an enterprise architecture blueprint utilizing the smart village concept with an emphasis on smart governance to improve the effectiveness, efficiency, and quality of public services in Sindangpanon Village. The resulting blueprint is expected to support technology-based village management in a sustainable manner, enhance administrative services, and provide positive impacts on the welfare of the community.

Keywords— Smart Village, Smart Governanace, Sustainable Development Goals (SDGs) Desa, Enterprise Arctitecture, TOGAF 10