

ABSTRACT

Currently, Indonesia, through a central government program, is accelerating the country's development by implementing the smart village concept, which is a sustainable planning approach at the village level that prioritizes technology-based development for development. The smart village concept supports the achievement of sustainable development goals (SDGs) through six main pillars that become references in the implementation of smart villages, including smart people; smart living; smart environment; smart government; smart economy, and smart mobility. This research was conducted in Bengkel Village located in Tabanan Regency, Bali, which has shown its commitment to implementing the smart village concept, especially in the fields of health, education, creativity, and infrastructure. The method used in this research is using a literature study, which aims to provide solutions with the design of enterprise architecture on the smart village concept using the TOGAF 9.2 framework which consists of the Preliminary phase, Architecture Vision, Business Architecture, Data Architecture, Application, Technology Architecture, Opportunities and Solution, to Migration Planning which focuses on the pillars of smart people, smart living and smart mobility. The result of this research is an enterprise architecture blueprint and architecture roadmap that can be used as a guideline in the further development of a smart village in Bengkel Village. This blueprint is expected to help in planning and implementing technology and systems that support smart and sustainable village development.

Keywords— Smart Village, 6 Pillars, SDGs, Enterprise Architecture, TOGAF ADM 9.2