

ABSTRACT

The improvement of quality of life and equal development has become the main focus of the government in realizing a smart village. In facing the increasingly complex development challenges, the integration between Village Development Index and Sustainable Development Goals (SDGs) becomes crucial to achieve sustainable development objectives at the village level. This study examines the implementation of Smart Village in the Smart Living dimension, considering the Village Development Index and SDGs. The TOGAF ADM 9.2 framework is used as a guideline to design and implement information technology (IT) solutions based on sustainable development objectives and the needs of the rural community. In this research, the stages of the TOGAF ADM 9.2 framework are used to analyze the needs and objectives of sustainable development in the village, identify appropriate IT architectures, and design applications and technological infrastructure to support Smart Village implementation. The result of this study is a holistic and integrated IT architecture design for Smart Village in the Smart Living dimension, capable of bridging development gaps and achieving sustainable development at the village level. The implementation of Smart Village, focusing on the Village Development Index and SDGs, has the potential to have a positive impact on improving the quality of life of rural communities, enhancing access to public services, and promoting village development.

Keyword—Smart Village, IDM,SDGs,Togaf ADM, Smart Living