

ABSTRACT

DESIGN OF ENTERPRISE ARCHITECTURE BLUEPRINT FOR SMART VILLAGE IN SUMUR BANDUNG SUB-DISTRICT (CASE STUDY: GOVERNANCE DIMENSION)

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Smart village is a derivative concept that adopts components or indicators of a smart city on a smaller scale (village or sub-district). Sumur Bandung sub-district can implement the smart village concept to intelligently solve their problems. Sumur Bandung sub-district has a Government Section, one of his duties is to be responsible for population administration services. Sumur Bandung sub-district has a target score of IKM (Resident Satisfaction Index) of 83 in 2023. To increase the IKM, Sumur Bandung sub-district must improve and improve population administration services. For population administration services in Sumur Bandung sub-district still use a manual system that requires people to come to the sub-district to carry out population administration. As a result, it is necessary to implement a smart village in governance dimension that includes redesigning business processes for population administration services to use the latest information systems and technology. Enterprise architecture is a tool used to synchronize business needs with technology needs. Its design requires the TOGAF ADM 9.2 framework, which is used as a guide while creating enterprise architecture. In this final project research will produce an Enterprise Architecture design in the form of TOGAF ADM 9.2 artifacts and in this study focuses on the government section. This research generates outputs in the form of business is designing business processes related to the population administration system, for data focus in SPAK can be well integrated into Prodeskel, for applications focus in create applications that support population administration services for, and technology infrastructure focus in the technology

used in must be safe from internal and external threats. The results of this study resulted in a new system for the Government Section in population administration services in Sumur Bandung sub-district.

Key Word: Enterprise Architecture, Government Section, Smart village, Sumur Bandung sub-district, TOGAF ADM 9.2