ABSTRACT

The development of science and technology drives the transformation of cities to become smarter and more sophisticated, one of which is in the economic aspect known as the smart economy. Bandung City as one of the pioneering smart city cities in Indonesia still faces challenges in implementing the smart economy optimally due to the unavailability of an integrated master plan and roadmap. This study aims to design a master plan and roadmap for information technology in the smart economy domain in Bandung City using the Enterprise Architecture approach based on the Smart City Architecture Development Framework (SCADEF).

The method used is the Smart City Architecture Development Methodology (SCADM), which includes analysis of existing conditions, identification of gaps, design of service and technology architecture, and preparation of implementation strategies. Data were collected through literature studies and interviews with related agencies such as the Disnaker, Disbudpar, DKPP, Disdagin, UMKM Office, BAPENDA and Diskominfo.

The results of the study are in the form of smart economy architectural artifacts that describe current conditions, ideal conditions, and transitions towards the target architecture. Then a roadmap and master plan are also prepared to direct the development of the smart economy in a structured and sustainable manner. With this design, it is hoped that the development of the smart economy in Bandung City will be more focused, efficient, and support the achievement of sustainable development goals. The evaluation was conducted through validation by experts and stakeholders to ensure that the proposed architecture is relevant to the readiness of smart economy implementation in Bandung City.

***Keywords**: Enterprise Architecture, Master Plan, Roadmap, Smart City Architecture Development Framework (SCADEF), Smart City, Smart Economy*