ABSTRACT

DIGITAL TRANSFORMATION OF BANDUNG CITY DISKOMINFO

THROUGH INFORMATION SECURITY DESIGN BASED ON COBIT 2019

AND ISO 27001:2013 FRAMEWORKS

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Digital transformation in government institutions demands IT governance that is not only efficient but also secure. This study aims to design information security governance to support the digital transformation of the Department of Communication and Informatics (Diskominfo) of Bandung City through the integration of the COBIT 2019 and ISO/IEC 27001:2013 frameworks. The method used is Design Science Research, which includes problem identification, gap analysis, and the development of recommendations based on three main aspects: people, process, and technology. The analysis focuses on the COBIT 2019 domains APO13 (Manage Security) and DSS05 (Managed Security Services), mapped to ISO 27001 security controls. The capability level assessment reveals gaps in several areas, particularly in Information Security Policies, Access Control, and Compliance. Recommendations are presented in the form of SOPs, role-based training, and the implementation of technologies such as SIEM and IAM. The study concludes that the integration of COBIT 2019 and ISO 27001 can strengthen information security governance and accelerate sustainable digital transformation in the public sector.

Keywords: *Digital transformation, COBIT 2019, ISO/IEC 27001:2013, information security, IT governance, Diskominfo Bandung City.*