

ABSTRACT

THE DEVELOPMENT OF INFORMATION SECURITY MANAGEMENT FOR INSURCO TRANSFORMATION USING COBIT 2019 INFORMATION SECURITY

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Previous research has shown the contribution of IT governance to digital transformation. However, further exploration is needed regarding the role of information security management in overseeing such changes through a case study of InsurCo insurance company. This is necessary in line with the latest guidance provided by PER-2/MBU/03/2023 on corporate governance and the Indonesian Financial Services Sector Master Plan 2021–2025 regarding the acceleration of digital transformation. This research method utilizes Design Science Research based on interview data. DSS05 Managed Security Service, APO13 Managed Security, and APO12 Managed Risk were selected as the priority implementation areas of the COBIT 2019 Information Security Focus Area from the process of determining design factors, COBIT 2019 Information Security Focus Areas, and the influencing mechanism of IT governance to digital transformation. Capability assessments, gap analysis, recommendation development, solution design, and roadmap have been conducted on the seven related governance components. The initial assessment result of the three ITGM objectives yielded a value of 2,7, and after implementing the recommendations, an estimated improvement of 0,8 or 29,6% was achieved, resulting in a final value of 3,5 for all three ITGM objectives. This study contributes to the knowledge base on the concept of prioritizing information security management to support organizational digital transformation, and it is particularly beneficial for InsurCo in ensuring the success of its strategic programs, as well as for the insurance industry in general.

Keywords—*Digital transformation, COBIT 2019, information security, insurance. Design Science Research.*