

## ABSTRACT

*The advancement in Information Technology (IT) has fundamentally transformed how businesses and organizations carry out their operations over the past few decades. Alongside IT development, aligning IT with business strategies has become crucial for every organization, whether academic or non-academic. Through this alignment, the existing IT can effectively support the goals of a university. Prior to aligning IT, a university needs IT governance. IT governance aids universities or higher education institutions in identifying how information technology can support strategic plans and business objectives. This research addresses the problem formulation of the existing condition in IT governance, the gap analysis in IT governance, the recommendations for enhancing the IT governance of the Faculty of Industrial Engineering (FRI), and the alignment of Information Technology with the strategic plans at FRI. This study employs the standardization of the Independent Accreditation Institute of Informatics (LAM-INFOKOM) in mapping the Cobit 2019 domain EDM01. Based on the analysis conducted, the researcher concludes that the current state of IT governance management still has shortcomings because FRI has not evaluated the performance of stakeholders responsible for IT governance and has only conducted evaluations based on general governance principles. The gap analysis results recommend improvements in the people aspect, such as detailing and adding responsibilities to positions, in the process aspect, such as creating Standard Operating Procedures (SOPs) regarding stakeholder performance assessment mechanisms, and in the technology aspect, such as utilizing digital survey tools and feedback mechanisms. The findings regarding the alignment of IT with strategic plans at FRI indicate that the alignment is not fully effective. Therefore, the provided recommendations can assist FRI in maximizing IT alignment to effectively support the strategic objectives set by FRI.*

**Key word :** LAM-INFOKOM, COBIT 2019, Domain EDM01