ABSTRACT

Information technology has become a very influential part in the current era, both in companies, organizations and universities to improve the effectiveness and efficiency of business processes. Telkom University is one of the universities that uses information technology to support the operational processes of academic and business processes in daily activities. The PuTI Directorate is one of the providers of information technology services that will relate to all work units at Telkom University. The development of an information technology audit plan is needed to facilitate the implementation of the audit later, by understanding the context and organizational strategy, determining the components of the IT audit field and conducting a risk assessment. In this study, the COBIT 2019 guidelines and framework use the method from the ISACA IT Audit Plan Development Process. Supporting data for analysis and assessment comes from interviews, questionnaires and document analysis of the PuTI Directorate of Telkom University. The results of the research are recommendations for an information technology audit plan based on a risk assessment that has a high impact on the Information Technology Infrastructure unit of the PuTI Directorate of Telkom University and focuses on management practices of APO11, APO12, BAI08 and DSS05. These recommendations can be used by the internal audit unit at Telkom University to conduct further reviews on the Information Technology Infrastructure unit of the Directorate of Information Technology Center.

Keywords— Audit Plan, COBIT 2019, Information Technology.