Abstract

Implementation of information technology (IT) provides benefits to works or business processes, but can also pose risks. To know and understand, how well Institut Manajemen Telkom (IMT) is doing to reduce the losses that may arise as a consequence of the use of IT, one must do an audit of IT governance. Auditing with considering business risk aims to ensure business assurance for enterprise.

To identify IT risks, perform risk analysis using the risk IT framework. From the results of risk identification there are 47 risks that must be mitigated. The next step is mapped to the COBIT 4.1. There are 27 processes that need to be controlled, namely PO1 - PO8, PO10, AI1 - AI3, AI5 - AI7, DS1 - DS7, DS9, DS11 - DS13. IMT should ensure that the practices of these processes are performed so that the possibility of risk occured can be minimized. From the results of audits performed, IMT will be given the recommendations as suggestions for improvement of IT management.

Keywords: *auditing*, COBIT, *risk*, *risk IT*, *IT Governance*.