

ABSTRACT

The Department of Environment of Palu City is one of the government agencies in the province of Central Sulawesi. This institution plays an important role in environmental preservation in Palu City. In the business process that is carried out, there is a Garbage Transportation Section which plays an important role in providing infrastructure facilities for complete waste transportation besides carrying out environmental technical policies for waste transportation. This section owns information technology assets that are used as the major support in business processes. Therefore, to avoid large losses that can occur, it is necessary to carry out information technology risk management which guides in improving the protection of existing information technology assets. The purpose of this study was to identify risks, analyze risks and evaluate information technology risks in the Department of Environment of Palu City Section Garbage Transport. The research method used is using the risk management process ISO 31000: 2018 which includes identifying, analyzing, evaluating, and treating risks. The results of this study reveal that there have been 7 risks with 3 risks with Danger Level, 1 risk with High Level, 2 risks with Medium Level, and 1 risk with Low Level. Risk mitigation is carried out by establishing controls and recommendations based on ISO 27002: 2022 Documents.

Keywords: *Information Technology Risk Management, ISO 31000:2018, Department of the Environment.*

