

ABSTRACT

The Communication and Informatics Office of Jombang Regency is one of the government agencies tasked with managing the field of communication and informatics within the scope of Jombang Regency. The Communication and Informatics Office of Jombang Regency is tasked with developing electronic applications or systems submitted and needed by Regional Apparatus Organizations (OPD). However, in its implementation, there are several problems, namely the lack of routine system updates, lack of protection on the application system, and others. The Communication and Informatics Office of Jombang Regency records and stores the risks that occur. However, the assessment and management of risks in the Communication and Informatics Office of Jombang Regency are not in accordance with the reference standards because they are not in accordance with IT objectives and strategies. Therefore, this study focuses on the evaluation of IT risk management at the Communication and Informatics Office of Jombang Regency using the COBIT 5 domain EDM03 Ensure Risk Optimization framework to help reduce, prevent, and handle IT risks in the Communication and Informatics Office of Jombang Regency. The method used in this study is qualitative, which consists of 3 stages, including the initiation stage of needs, which is carried out by interviews and literature studies; the data collection stage, which is carried out by risk identification, determining risk types, mapping risk categories, and analyzing internal and external risk factors; and the risk analysis stage, which is carried out by creating risk scenarios, analyzing risk impacts, analyzing risk frequencies, and analyzing risk mitigation steps. The results of this study are in the form of an analysis of the results of IT risk assessments and mapping as risk mitigation steps that can be used to help improve the implementation of IT risk management at the Communication and Informatics Office of Jombang Regency.

Keywords: COBIT 5, EDM03, IT Risk Management.