

# **RISK MANAGEMENT INFORMATION TECHNOLOGY BASED ISO 31000 USING COBIT 5 FOR RISK AND FMEA (CASE STUDY PT. XYZ)**

Student Name : Finandy Ari Hardianto  
Student Identity Number : 3021610023  
Mentor : Yogantara Setya Dharmawan, S.Kom.,  
MBusProcessMgt., MCE

## ***ABSTRACT***

*PT. XYZ is a company engaged in isp service providers (Internet Service Providers) and other IT service needs that are growing rapidly in the city of Balikpapan, East Kalimantan. But at the moment PT. XYZ has not implemented risk management, so it is feared that it can reduce the company's performance if not handled immediately.*

*Based on the case study above, this research was made on information technology risk management using COBIT 5 for risk framework and FMEA based on ISO 31000. With each of the framework advantages offered such as COBIT 5 for risk that excels in risk identification, FMEA in the process of risk analysis, and ISO 31000 which is the most widely used risk management standard in various companies.*

*From this research, a guide or overview of the risk management process is produced, especially by combining several risk management frameworks. So it is expected that the company or readers of this research can provide references regarding risk management.*

**Keywords:** *Information Technology, Risk Management, COBIT 5, FMEA, ISO 31000*