XYZ is the largest property company in Indonesia, which emphasizes the use of IT. Most of the company's business operations have been supported by information technology assets in order to improve business performance. Thus, to ensure the stability of their business process, companies must pay attention to information technology assets and protect them from the threat of risk that may interfere with the functionality of IT assets. Currently, there is no risk management focusing on the management of IT assets and planning a good prevention against the risk of impact on the IT assets. In fact, preparation and prevention planning is essential for companies in order to have high availability of IT systems.

The purpose of this research is to develop a Disaster Recovery Plan (DRP) as a comprehensive prevention planning, effective, and easy to use framework based on the ISO 24 762. DRP provides venture arrangements or actions to be performed by the IT department before, during, and after the incident occurred for recovery processes and IT assets. In making the DRP, in this research will be used several standard reference framework to facilitate the preparation of DRP were made. Some stages are traversed in this study include the following process to identify the assets of the company based on the ISO 27002 IT, assessing and analyzing IT risks that potentially threaten IT assets based on COBIT 4.1 with FMEA assessment methods, and create controls to control IT risks.
The final project resulted in a document that consists of a DRP product description and analysis of the results of the risk assessment, an outline description of the DRP system that was created and explanation of the results of the manufacturing control forms of information technology governance. Document the product has been verified by the reference standard used and validated by the user or the company is Head of IT / TMT and the Core Server and Business Productivity. From the results of the final project is expected to help the company to maintain the stability of the business with IT asset protection preventive measures.

Keywords: Risk Analysis, IT Disaster Recovery Plan (DRP), COBIT 4.1, ISO 27002, ISO 27462