

## **ABSTRACT**

*Information technology is defined as science in the field of computer-based information and its development is very rapid. The impact of the development of information technology that occurs spurs organizations to continue to exist and can improve the performance they carry out. The role of information technology focuses on managing information systems, besides that information technology can meet organizational needs very quickly, timely, relevantly, and accurately. Many companies have implemented information technology to support business processes, one of which is PT. Kimia Farma Plant Banjaran. Kimia Farma Company is the first pharmaceutical industry company in Indonesia. Kimia Farma Company has implemented information technology in carrying out company performance by using ERP-based SAP to assist the company in carrying out its operational activities. research conducted on the risk management of PT. Kimia Farma Plant Banjaran using the COBIT 5 for Risk framework. The COBIT 5 for Risk framework is a guide that can be used to manage Information Technology risk management. Based on the results of the research in chapter IV, there are 9 risks that occur in the quality control division of the process inspector section, of these 9 risks there are those that have a very low to high level of risk. After that, an analysis was carried out based on the impact and probability criteria. Based on the results of the gap analysis in chapter IV based on the results of the existing conditions of the seven enablers made that the quality control division of the process inspector section already has a fairly qualified SOP and completeness of documents related to risk. Recommendations for IT Risk Management design are based on seven enablers. In the aspect of seven enablers, it produces recommendations for designing COBIT5 IT governance for risk in the Quality Control division of the Process Inspector section.*

**Keywords:** *COBIT5 for Risk, Risk Management, PT. Pharmaceutical Chemistry*