

## **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 remain existing and can improve their achievements. The role of information technology focuses on the regulation of information systems, in addition, information technology can meet the needs of organizations very quickly, on time, relevant, and accurate. Many companies have implemented information technology to support business processes, one of which is PT. Nusantara Regas. PT Nusantara Regas is a joint venture between PT Pertamina (Persero) and PT Perusahaan Gas Negara (Persero) Tbk with a 60% and 40% ownership composition. PT Nusantara Regas has the main task of supplying gas needs for PLN power plants in the Jakarta area and surrounding areas. State-owned enterprises diamonds engaged in natural gas trade such as PT. Nusantara Regas must be able to implement risk management governance well and wisely. In this case analyzing the risks that may occur can be used as one solution to minimize the risk of information technology in the company so that the risks that may occur can be minimized and resolved. To be able to continue to develop human resources and improve the quality of service in PT. Nusantara Regas then conducted risk management analysts using ISO 31000:2018 which resulted in 4 risks. The identified risks are then followed by a risk analysis stage that is in a race with the level of likelihood and the level of impact. The identified risks are then followed by a risk analysis stage that is in a race with the level of likelihood and the level of impact. The risk is then given control using NIST 800-53 and DoD 8500.2 standards which are further given recommendations from personnel, process, and technology aspects.*

*Key Word : Risk Management, Information Systems, ISO 31000, State-owned enterprises, Information Technology*