

ABSTRACT

Information technology is a very important part of the industry today, therefore many companies are developing information technology to their companies. Information technology has also evolved in a better direction that plays a role to support operational activities and achievement of strategic business processes in it. Components of information technology in the system must be integrated and able to operate in accordance with their respective responsibilities and functions so that they can carry out various main activities of the company to meet the information needs of stakeholders, one of which is if the company is engaged in IoT (Internet of Things). Today many companies use IoT as a supporter of business process activities, where the Internet of Things is a concept designed to continuously expand the benefits of internet connection. If during the use and implementation of information technology can be possible the occurrence of various risks that can threaten the sustainability of its business processes. Risk is something that causes loss and also uncertainty. Pt. Nocola IoT Solution is an IoT company that focuses on creating system integrators, engineering services, weighting systems, IoT development, software development, and navigation services. Pt. Nocola IoT Solution uses information technology as a support to carry out all operational activities, infrastructure and business processes of each functional department in the company. Risks that may occur to PT. Nocola is an operational risk. Therefore PT. Nocola IoT Solution must have security standards in using risk management in information technology. To know the it risk management conditions at PT. Nocola IoT Solution uses COBIT 5 for Risk which is one of the frameworks focused on IT risk management. The author uses aspects of the seven enablers in the form of information and people, skills and competencies. The data taken in this study are from primary data through interviews and secondary data through literature studies. This research was conducted with two research methods, namely with a conceptual model to simplify the problem with methods and describe systematically in a structured manner, and use the stages of the research system that aims as a reference in carrying out the making of research. In conducting risk assessment of the company, data processing is carried out, namely strategic alignment with risk approaches and then make comparisons using risk priorities and produce results from risk priorities, namely domains that will be used as assessments on Information enablers and Enablers People, Skill and Competencies. Domains used from risk priority slices are EDM01 Event Governance Framework Setting and Maintenance, APO02 Manage Strategy, APO07 Manage Human Resource, APO08 Manage

Relationships, and BAI08 Manage Knowledge. Then after that conducted an assessment of the current condition of the company with the selected enabler assessment, then found the gap in the current condition in the company by doing gap analysis. From the results of the gap in the condition of the company obtained from the gap analysis process then there are recommendations from the selected enablers. For information enabler recommendations, namely to make IT Risk Management Policy and Standard Operating Procedure (SOP) which is pt company. Nocola IoT Solution itself does not yet have these 2 important things. For the recommendation of enablers People, Skill and Competencies is to create risk management training activities for staff in the company in order to gain more knowledge related to risk management and can be applied to each division of the company and help if there is a sudden risk to the company's activities.

Keywords— PT. Nocola IoT Solution, Risk Management, COBIT 5 for Risk, Seven Enabler