

## ABSTRACT

*SIMRS is one of the many systems used by hospitals to be able to assist processes and can help when managing a hospital-related information data. Al-Ihsan Hospital Bandung is one of the hospitals that has implemented SIMRS Medical Records to be able to assist the hospital process, one of the units that have implemented SIMRS is medical records. However, as technology develops, it is certain that risks will arise and will have a bad impact on hospital activities. Risks can arise due to system errors or human errors. Because medical records have never done risk management, the purpose of this study is to identify, analyze and evaluate risks that arise in the SIMRS Medical Record unit. Risks that have been assessed will be handled and recommended for control. The method used for this research is ISO 31000:2018 to carry out risk management and COBIT 5 For Risk to provide control. The results of the risk identification in the medical record unit contained 11 risks including 1 risk with the Staff Operation/Human Error risk category, 2 risks with the Information category, 2 risks with the infrastructure category, 3 risks with the software category, 2 risks with the Acts of Nature category, 1 risk with the category of Logical Attack. After the risks have been identified, the risks that arise are carried out risk analysis. After analysis, there are 9 risks with a moderate level of risk, and 2 risks with a high level of risk. After conducting a risk analysis, the next step is to evaluate the risks that arise in the medical record unit. After the risk evaluation has been carried out, there are 8 risks that must be handled because these risks have exceeded risk appetite. Risks that have previously been evaluated are given a treatment and control recommendations. Furthermore, the risks that need to be mitigated are given recommendations and controls based on the 7 enablers in COBIT 5 For Risk. Control of the 7 enablers in COBIT 5 For Risk used are Information Enabler - Access and Event Logs, People Skills and Competencies Enabler - Technical skills, Organizational Structures Enabler - Head of IT operations, Process Enabler - BAI04.04 Monitor and review availability and capacity , Information Enabler - Maintenance plan, Process Enabler - BAI03.08*

*Execute solution testing, Organizational Structures Enabler - Head of development, Information Enabler - Design specifications.*

*Keywords: ISO 31000:2018, COBIT 5 for Risk, SIMRS*