

ABSTRACT

PT Ultrajaya Milk Industri & Trading Company Tbk is running the Barcoding Project to facilitate the process of recording raw material data in the production process. This Barcoding Project certainly has operational risks that may occur, therefore by using the Enterprise Risk Management approach. (ERM) that is focused on the operational risk of the company. The result of risk identification, found there are 26 operational risk that may occur in Barcoding Project. These risks stem from human resource risk, system risk, barcoding system risk, production risk, machine risk, and other risks. The result of the assessment of each risk is based on its severity and the probability of occurrence, besides that this study calculates the total operational risks that may occur in Barcoding Project. From the risk assessment conducted in the research, it can be seen from the category high risk, medium risk and low risk then, the risks that need to be prioritized to be controlled are risk with category high risk and medium risk. In addition to analyzing operational risks this study also analyzes reliability of handheld scanner engine to scan barcodes, which shows the result that handheld scanner machine is reliable to scan barcode with reliability of 54%.

Keywords: Enterprise Risk Management, Operational Risk, Risk Matriks, Machine Reliability