

## ABSTRACT

*Ibunmanis Cokelat MSMEs is one of the business actors engaged in the food industry and is included in the Small and Medium Enterprises scale company by producing food products, namely chocolate bars and filled chocolate. It was obtained that in 1 year the total loss of supply was 33% of the target demand that must be achieved. the frequency of delays in the main raw materials occurred 51 times a year, while for supporting raw materials there were nine delays and for packaging materials occurred once a year. Therefore, this research refers to the problems that occur in the main raw materials. loss production occurs 10 times a year. There are three issues, the first is the issue of uncertain orders, the issue of late raw materials, the issue of defects in the production process. Ibunmanis Cokelat MSMEs wants to improve performance in processing the supply of raw materials provided by suppliers through improving the existing supply chain process by analyzing risks so that the supply chain process at Ibunmanis Cokelat MSMEs can be monitored. This is the background of this research to analyze the risks that occur in the supply chain of Ibunmanis Cokelat MSMEs to determine the risks and see opportunities for decision making on supply chain activities that will be carried out next. Based on the business process mapping of Ibunmanis Cokelat MSMEs which refers to SCOR 12.0, potential risks in the supply chain of Ibunmanis Cokelat MSMEs were identified and analyzed, resulting in 24 risk events and 29 risk agents. Based on the output of the HOR 1 model and pareto analysis, 80% of priority risk agents were obtained where the findings of risk agents in the supply chain of Ibunmanis Cokelat MSMEs require mitigation actions to reduce 20% of the causes of the risks that occur. From the HOR 2 model, a priority mitigation strategy is obtained, namely integrating planning with scheduling. The results of the supply chain risk management design obtained KPIs to measure each priority risk agent that has been normalized using the de boer snorm. The risk monitoring visualizes the performance indicators of the metrics of the causes of the previously identified priority risks, displays historical data as a reference for the impact of priority risks that need special action, and displays mitigation recommendations that can be done in dealing with these risks.*

*Keywords: Risk Management, Supply Chain Risk Mitigation, SCOR, House of Risk.*