

## **ABSTRACT**

*The effect of the post COVID-19 pandemic has had an impact on many business sectors including MSMEs such as CV. XYZ. The business run by the company in the printing and reproduction sector of recording media is closely related to the supply chain in carrying out its production process. In various activities contained in the supply chain, the emergence of risks is very likely to occur coupled with various risks that can arise during and after the COVID-19 pandemic. The development of a business is largely determined by the ability of risk management, therefore in this study used methods related to risk management so that risk identification can be carried out, minimize the impact of risk, and control risk to increase CV printing income. XYZ post-pandemic. In this study, the methods used are supply chain mapping, house of risk, and system dynamics. The results of this research are that there are eight dominant risk agents, namely: operator inaccuracy when numbering paper, operator inaccuracy when arranging paper numbering, operator inaccuracy when turning paper, decreased number of orders, decreased number of customers, operator inaccuracy when typing, operator carelessness when handling packaging wrapping finished products so that the paper tears, raw material prices rise, and operators don't come to work. Based on these risk agents, two alternative mitigation actions were designed. The first alternative is to take the highest priority of each risk, namely: PA1 (using a pokayoke design to prevent operator errors), PA3 (covering order losses with previous profits), PA5 (deleting or covering incorrect numbering or replacing it with new paper) . The second alternative is to take mitigation actions that do not require costs, namely: PA3 (Covering order losses with previous profits), PA9 (Increasing production quantities before operators are absent or when operators show symptoms of illness), and PA8 (Increasing product selling prices). From the results of the system dynamics method, alternative 1 meets the Friedman and ad hoc tests with an increase in average income of Rp. 3,357,531 so alternative 1 was chosen as the best alternative to be applied to CV. XYZ.*

*Keywords: Risk Management, SCOR, HOR, System Dynamics, Post COVID-19 Pandemic.*