

ABSTRACT

PT. GZ is a manufacturing company engaged in the boat industry. Based on interviews with PT. GZ, found problems such as the arrival of raw materials, information in the production process, information on product delivery, etc. Therefore, the research was conducted with the aim of analyzing the risks in the supply chain at PT. GZ company in order to design mitigation actions to minimize existing risks. The research was conducted using the supply chain operation reference (SCOR) and house of risk (HOR) models. The SCOR model is used to create supply chain activities based on plan, source, make, deliver, and return. After looking at supply chain activity, risk is examined using the HOR model. Based on the analysis that has been done, 28 risk events and 21 risk agents were identified in the supply chain of PT. GZ. With the principle of the Pareto diagram, there are 13 priority risk agents who will mitigate the supplier's negligence in the delivery of raw materials (A₁₁), workers do not follow SOP (A₁₂), limited human resources (A₁₇), negligence of labor (A₁₄), arrival of raw materials (A₂₀), unclear safety stock amount (A₁₉), filling factor (A₁), no performance of each worker (A₄), sudden customer requests (A₂), raw materials from suppliers not available (A₁₀), variations large products (A₁₆), the difficulty level of making products is high (A₁₃), lack of coordination between work departments (A₈). There are 9 mitigation actions proposed to minimize existing risk agents, namely making clear rules regarding warning letters (PA₂), making SOP in product manufacturing (PA₆), evaluating worker performance every month (PA₈), requesting requests and planning inventory carried out together. (PA₁₁), empowering workers to do multitasking work (PA₃), making check sheets for the production process (PA₁₂), conducting routine briefings before work (PA₉), making MoU between GZ and suppliers (PA₁), conducting worker training (PA₄).

Keywords: *Supply Chain, Supply Chain Operation Reference, House of Risk, Mitigation Action.*