

ABSTRACT

The importance of awareness for the need of risk management in companies is increasing, one of them is in broccoli vegetable industry. Supply chain management of agricultural products is different from supply chain management in general, considering agricultural industry has perishable properties, with a variety in shape in size. Therefore, it is vulnerable and usually become the risk of loss for the company. The intention of this research is to identify and formulate the risk mitigation strategies that occur in the company. The method used in research is *fuzzy* FMEA which functions as a tool to measure the agreed priorities and AHP is used as a tool to determine the weight of supply chain risk mitigation strategies. This research that carried out in the field and interviews with experts showed 13 risk events and 25 risk causes that is divided into each process *plan*, *source*, *make*, and *deliver*. For mitigation strategy, there are 11 alternatives that are divided into each process.

Key Word : Supply Chain Risk, Broccoli Vegetables, Risk Mitigation, Fuzzy FMEA, AHP