

ABSTRACT

Forming sustainable industry becomes crucial for leather tanning companies in Indonesia, it's because of leather tanning industry production keep increasing every year for the last five year. Government regulation states that industries must utilize resources in a sustainable way. This requires companies to improve their achievement in applying environmental friendly system and measuring the risk of waste that has been produce so the system will be sustainable in all aspects of all the business activities. The object in this research is a company in the leather tanning industry in Garut Area and this research focusing on measuring its risk in term of the company's effort to apply green supply chain management concept.

This research use supply chain operations reference (SCOR) model as a media for selecting the risk in the supply chain of the company. Selected risk verified by the company and assigned with a weight assessment House of Risk (HOR) method. The risk that is significant then will be mitigated by making the right mitigation strategy according to the House of Risk (HOR) method. Then the mitigation strategy will be applied in the form of a web based monitoring system.

Keywords— [Sustainable, Risk, SCOR, HOR, Mitigation, Monitoring system]