

ABSTRACT

The development of industry in Indonesia is increasing, with the increase of industry will have an impact on the increasing of environmental damage. The impact of the current environmental damage is increasingly felt, so the government issued a regulation that is UU.No.3 Year 2014, in addition to the current regulation people increasingly care about protecting the environment so that there is a change in demand from the community. The existence of regulations and the public care about the importance of maintaining the environment hence the need to make sustainable supply chain management system (sustainable supply chain management). Sustainable supply chain management (SSC), which integrates financial, environmental and social aspects in the company's business processes. Implementing SSC on sustainable application required key performance Indicator (KPI) based on sustainable which is useful to measure company performance in implementing sustainable. Sustainable KPIs are obtained using the SCOR (Supply Chain Operation Reference) model, selected KPIs are verified and weighted using AHP so that the weight of each KPI is used to assess the performance of the company. Currently the company does not have a system that integrates data, performance calculations and data visualization in supporting the implementation of sustainable in the company, especially in the procurement section, the information system that helps in this case is a monitoring system. The results of the monitoring system obtained from 8 selected KPIs have 4 KPIs with performance with marginal categories or below average, the KPI is % Supplier meeting environmental criteria with result of 1.02, % Hazardous material with yield 1.87, % Recycled or reused material with result 0.66, and % biodegradable material with result 1,09. Performance of the four KPIs need to be improved performance.

Keywords : Sustainable Supply Chain Management , SCOR, Key Performance Indicator (KPI), Procurement, Analytical Hierarchy Process (AHP)