ABSTRACT

According to strong competition in global industry, every company need many strategy to survive in the competition. One of that strategy is company’s abilities to accommodate the fluctuation that will and maybe happened. From this condition, there is an idea to improve supply chain contains its components. Some supply chain’s research is important to do to improve company’s abilities.

The activities in this research emphasize to measure the flexibility of supply chain at a company that its production system base on make to stock. The parameters have been used in this research is parameters that defined by Swafford. The parameters have 4 dimension: supplier system with 7 parameters, production system with 8 parameters, product design with 5 parameters, and delivery system with 7 parameters. After has fitted with real condition from the research’s object, only 25 parameters is used. Subcontractors in case in house capacity is sufficient from supplier system dimension and combine different product into a truckload from delivery system dimension aren’t used because not relevant with research’s object condition. The data in this research is gained by questioner letter and interview with people who has correlation with this research from the company. After all data have been collected successfully, weighted process is done by AHP method to know the priorities parameters that need to improve.

The result from this research shows that the PT. Semen Gresik (Persero), TbK’s supply chain flexibility level is 92.408 %, with contribution every dimension: supplier system (89.692 %), production system (93.266 %), product design (96.145 %), and delivery system (92.148 %). The object research’s flexibility is belong to high. This condition also need improve, because ideal condition is happed when every parameter have the same requirement and capability number. To reach this position, some improved is needed.

Keywords: supply chain, make to stock, supply chain flexibility, measurement parameters, AHP method