SUPPLY CHAIN PERFORMANCE MEASUREMENT AND IMPROVEMENT WITH SCOR MODEL AND LEAN SIX SIGMA APPROACH IN PT. GUNAWAN DIANJAYA STEEL, SURABAYA

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Abstrak

PT.Gunawan Steel (PT.GDS) is a plant that produces steel plate. Global competition among supply chain companies make price competition is no longer the main parameter. It takes a number of other parameters gave the added value to the customer. In this study applied Lean Six Sigma methods with the SCOR model. SCOR model is used as a model of supply chain performance measurement PT.GDS where critical performance indicators will be the focus of improvement with Lean Six Sigma methods. From the results of the study, three critical indicators SCOR model who became the focus of improvement with Lean Six Sigma is the inventory days of supply (supply chain assets), the make cycle time (responsiveness) and on-time delivery (reliability). Waste critical indicators contained in the inventory days of supply inventory slab while the waste is critical to make the indicators and ontime delivery cycle time is waiting, not utilizing employee knowledge, skills and Abilities, excess inventory and transportation. Improvement based on the highest value on each improvement alternative. It was found that improvements in slab inventory conducted by the slab price forecast next year, improvements in indicators of the make cycle time, and ontime delivery time is done by determining the optimal preventive maintenance intervals on the work roll and backup roll hidroulic and training about the quality and specifications to the carrier plate inspection. Improvements made to reduce production lead time by 15% and inventory reductions of 10% slab.

Key Words: Supply Chain, Lean Six Sigma, SCOR Model and Value Management