ABSTRACT

DEVELOPMENT SUPPLY CHAIN SYSTEM OF QUININE SALT PRODUCTS AT PT. SINKONA INDONESIA LESTARI (SIL) USING THE SUPPLY CHAIN MANAGEMENT

By :
YOGA ADI PUTRA
10111731

PT. Sinkona Indonesia Lestari (SIL) is a manufacturing company that produces quinine salts and derivatives for various industries. Production on a scale big (Mass product) conducted by the PT. SIL. Quinine bark material is the main raw material in the production process. The problems that often occur in the PT. SIL is a shortage or excess raw materials, lack of coordination between the production sector resulted in the production process does not go well that resulted in the frequent occurrence of cancellation of bookings quinine product made by prospective buyers. Pursuant to the problems that exist in PT. Sinkona Indonesia Lestari (SIL), then it needs development supply chain System using the Supply Chain Management. The development objective of this supply chain system facilitates planning raw material requirements for the determination of the amount of production in order to avoid any lack of product when ordering by prospective buyers do as well as the production sector in order to coordinate every production run properly.

Supply Chain strategy used is a push supply chain, since it is based on the suitability of the supply chain in the company Thar using strategy of make-to-stock. Supply chain system is built on the upstream (upstream) to the downstream (downstream). Method of forecasting demand of raw materials used are single moving average. Calculations predicted availability of raw materials in the warehouse using the method of securing supply (safety stock). The booking process raw materials using an auction system (tender) and direct booking.

Based on the test results it can be concluded that the system is already helping production planning and control part in determining the production of raw material requirements planning and coordinating all production sectors in the use of raw materials as well as avoid the blanks product.

Key: *supply chain management, push supply chain, make-to-stock, single moving average, safety stock.*