ABSTRACT

"PLANNING AND CONTROLLING PRODUCTION OF THE COTTON THREAD 100% IN PT. MULIA SPINDO MILLS SERANG"

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Facing the world of business competition tightly, specially in commerce and industry so that industry must be forced to anticipate either keeping the good quality or to satisfy order to the customers delivering them on time. Therefore, the company needs planning and controlling production well. Material handling process, which as raw materials for forming thread in PT. Mulia Spindo Mills Serang, is an important aspect. It's related with the uncertainty demands and raw materials supplies. In this company, the materials control is still based on the previous experiences and because of that, it usually causes an unoptimally providing raw materials. For solving those problems are needed the research to be done. This research will be analyzed based on the previous production, selling and inventory data with time series methods and inventory theory which can make thread production forecasting. Moreover, can be obtained EOQ and reorder point which causes a minimum total inventory cost. In production and selling forecasting thread with ARIMA Methods, in this company, the seasonal factor has been found. This forecasting is valid in a normal economic growth. The result of the raw materials inventory analysis to form thread shows that Q order can be conducted when the raw materials inventory level reaches the order point B, with a minimum total inventory cost expected annually.