Soybean Raw Material Inventory Control Analysis Using Economic Ordered Quantity Method At CV. Araya Group Jember Regency Quantity

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ABSTRACT

The purpose of this study is to determine the current inventory control of soybean raw materials at CV Araya Group, to determine the control of raw material inventory and the optimal amount of soybean raw material requirements at CV Araya Group. This type of research is descriptive research with quantitative data. The results of the analysis obtained Control of raw material inventory applied CV. Araya Group is by purchasing 100 kilogram of raw materials every day, but at the November 2020 there was a decrease in raw material purchases so that they amounted to 75 kilogram per order. So the company was able to bring in orders 341 times in one year in 2019 and 343 times in one year in 2020. With a total purchase of soybean raw materials of 34,100 kilogram in 2019 and 32,775 kilogram in 2020, control of raw material inventory based on the EOQ method, is able to minimize the frequency of purchasing raw materials with the optimal amount of raw material purchases of 541 kilogram, the company purchases soybean raw materials 63 times with a period of 6 days (2019) and 556 kilogram, the company purchases soybean raw materials as much as 59 times with a period of 6 days. (2020) so that the frequency of purchasing raw materials is less than what the company has done. The EOQ method produces a safety inventory calculation and reorder point that can help companies not run out of raw materials. So that based on the calculation of the EOQ method, the company can be more efficient on the cost of inventory (TIC) issued.

Key words : inventory controll, EOQ