

ANALISIS PENERAPAN METODE *ECONOMIC ORDER QUANTITY* DAN *ALWAYS BETTER CONTROL* UNTUK PENGENDALIAN BAHAN BAKU PADA CV SARI KAYU JAYA

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ABSTRAK

CV Sari Kayu Jaya merupakan perusahaan manufaktur yang bergerak dibidang pembuatan kayu lapis. CV Sari Kayu Jaya sendiri pada tahun 2022 melakukan pembelian bahan baku kayu sebanyak 9.600 m^3 . Pembelian sendiri dilakukan secara tetap setiap bulannya dengan jumlah 800 m^3 per bulan. Sedangkan jumlah permintaan kayu lapis berbeda setiap bulannya. Hal ini dapat menyebabkan terjadinya *out of stock*. Seperti yang terjadi pada bulan agustus 2022 dimana permintaan berjumlah 898 m^3 , sedangkan pembelian bahan baku hanya sebanyak 800 m^3 . Berdasarkan data tersebut, penelitian ini bertujuan memecahkan masalah persediaan bahan baku yang terjadi pada perusahaan. Untuk menghindari terjadinya *out of stock* maka digunakanlah penghitungan *Economic Order Quantity* agar didapatkan hasil berupa jumlah pemesanan yang paling optimal, yaitu sebanyak 2.200 m^3 setiap kali pembelian dan dilakukan 5 kali dalam setahun dengan total biaya persediaan sebanyak Rp 175.943.883 per tahun. Dan penghitungan dengan *Always Better Control* digunakan untuk mengelompokkan bahan baku sesuai jumlah pembelian dan untuk rekomendasi prioritas pembelian bahan baku berdasarkan jumlah pemakaian dan jumlah biaya yang dikeluarkan. Yaitu paling besar adalah kelompok A dengan diameter 15 – 18 cm sebanyak 3.600 m^3 dan nilai investasi sebesar Rp 1.980.000.000.

Kata Kunci : Persediaan, Bahan baku, Kayu lapis, *Always Better Control*, *Economic Order Quantity*.

ANALYSIS IN APPLYING ECONOMIC ORDER QUANTITY AND ALWAYS BETTER CONTROL METHODS FOR CONTROLLING RAW MATERIALS AT CV SARI KAYU JAYA

ABSTRACT

CV Sari Kayu Jaya is a manufacturing company that specializes in plywood production. CV Sari Kayu Jaya purchased 9,600 m³ of wood raw materials in 2022. The purchase is made on a fixed monthly basis for an amount of 800 m³ per month. The amount of plywood demand varies from month to month. This may result in a stock shortage. As happened in August 2022, when demand was 898 m³, while raw material purchases were only 800 m³. Based on this information, this study addresses the company's raw material inventory problem. To minimize out-of-stock situations, the Economic Order Quantity computation is used to obtain the most ideal number of orders, which is 2,200 m³ each time the purchase is made and carried out 5 times a year with a total inventory cost of Rp 175,943,883 per year. And Always Better Control computations are used to group raw materials depending on the amount of purchase and to provide priority recommendations for purchasing raw materials based on consumption and incurred costs. Group A is the largest, with a diameter of 15 - 18 cm, a volume of up to 3,600 m³, and an investment value of Rp 1,980,000,000.

Keywords: Inventory, Raw materials, Plywood, Always Better Control, Economic Order Quantity

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