

ABSTRAK

Persediaan bahan baku tempurung kelapa di PT Aintopindo Nuansa Kimia Cabang Garut sering kali mengalami *overstock*. Hal ini menyebabkan perusahaan mengalami kerugian finansial dan ruang penyimpanan yang terbatas. Penelitian ini bertujuan untuk mengoptimalkan pengendalian persediaan bahan baku tempurung kelapa untuk menghindari *overstock* produk karbon aktif.

Metode penelitian yang digunakan adalah studi kasus dengan pendekatan kuantitatif. Pengumpulan data dilakukan melalui observasi, wawancara dan telaah dokumen perusahaan. Analisis data dilakukan dengan menggunakan metode *economic ordering quantity* (EOQ), *reorder point* dan perhitungan *safety stock* sebagai solusi permasalahan.

Hasil penelitian menunjukkan bahwa perusahaan belum optimal dalam pengendalian persediaan bahan baku karbon aktif, karena perusahaan kesulitan membuat perencanaan dan pengendalian persediaan bahan baku karbon aktif yang disebabkan oleh ketidakpastian pasokan dari supplier.

Kata Kunci: Pengendalian Persediaan, EOQ, *Reorder Point*, *Safety Stock*, *Overstock*, Karbon Aktif.

ABSTRACT

The inventory of coconut shell raw materials at PT Aintopindo Nuansa Kimia Garut Branch often experiences overstock. This causes the company to experience financial losses and limited storage space. This study aims to optimize inventory control of coconut shell raw materials to avoid overstock of activated carbon products.

The research method used is a case study with a quantitative approach. Data collection is done through observation, interviews, and review of company documents. Data analysis was carried out using the economic ordering quantity (EOQ) method, reorder point and safety stock calculation as a problem solution.

The results showed that the company was not optimal in controlling the supply of activated carbon raw materials, because the company had difficulty planning and controlling the supply of activated carbon raw materials caused by uncertainty in supply from suppliers.

Keywords: Inventory Control, EOQ, Reorder Point, Safety Stock, Overstock, Activated Carbon