PERANCANGAN SISTEM INFORMASI SEBAGAI PEMBANTU PENGAMBILAN KEPUTUSAN DALAM PENGONTROLAN INVENTORI
(Studi Kasus di SEROJA ELEKTRONIK-Semarang)

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Abstrak

Seperti perusahaan yang dimiliki oleh perseorangan pada umumnya, PT. Seroja Karunia masih melakukan pengambilan keputusan dalam hal pengontrolan inventori berdasarkan intuisi dan pengalaman pemilik. Hal tersebut mengakibatkan sering terjadinya lost sales karena ketika customer membutuhkan barang, yang terjadi adalah gudang mengalami shortage sehingga demand tidak dapat terpenuhi. Masalah lainnya yang kerapkali muncul adalah ketidakakuratan stok karena jumlah barang tidak direkapitulasi setiap saat.

Guna mengatasi permasalahan sistem inventori tersebut, peneliti mencoba mengembangkan Sistem Informasi Inventori yang dapat membantu perusahaan. Sistem informasi yang bersifat web-based membuat staff di masing-masing bagian dapat melihat tingkat stok yang akurat di tiap gudang. Manfaat yang dirasakan terutama bagi pemilik/owner yaitu mendapat perkiraan demand di masa mendatang melalui peramalan serta memperoleh usulan bagaimana mengontrol persediaan melalui tingkat safety stock, reorder point, quantity, dan frekuensi pesan yang disarankan.

Kata kunci : inventori, peramalan, web-based , sistem informasi

Abstract

Like any other companies which owned by an individual, PT. Seroja Karunia is still making decision in terms of inventory control based on owner's intuition and experiences. That way of working has resulted many lost sales because when customers need electronic goods, those demands cannot be fulfilled due to stock shortage. Another problem that often arises is the imprecision of stock because the number of goods are not recapitulated every time.

To overcome the inventory system problems stated above, researcher tries to built an Inventory Information System which enhance the operation of the company. Replacement of paper-based system to electronic system is going to support company to operate better. A web-based information system allows all users to see accurate stock data in each warehouses. The perceived benefits especially for the owner is getting the estimated demand in the future through forecasting and to obtain suggestions how to control supplies about the level of safety stock, reorder point, quantity, and order frequency

Keywords : *inventory, forecasting, web-based, information systems*