ABSTRACT

In the face of competition the distribution industry that sells products Fast Moving Consumer Goods (FMCG), especially food products and beverages, the company is required to operate the product distribution activities effectively and efficiently. One factor that plays an important role in the operation of a distribution of food products and beverages is controlling inventory system. The system can be controlled by either naturally can make informed decisions in defining and ensuring the availability of the right product, in quantity of time. PD. Akur Sejahtera is one of the distributors of FMCG food and beverages in Indramayu Regency. During this inventory policies applied by PD. Akur Sejahtera just based stock inventory some excellent products each suppliers and without the mathematical calculations that companies often face problems such as out-of-stock which will impact on the high levels of lost sales resulting in lower corporate profits caused by the high cost of the total inventory. To reduce stock outs in the system inventory is can be solved by applying policies Periodic Review (R, S, S) with Power Approximation approach for products classified as A to determine the parameters of inventory. In addition, to overcome the problems caused, researchers will use the calculation of inventory policy with Periodic-Review, Order-Up-to-Level (R, S) System for product classification B and C, which supplies inspection interval (R) is fixed, but the size varies according to the sales reservations at the time of inspection supplies last. With using of inventory control policy Periodic Review (R, s, S) and (R, S) System Total Inventory Cost efficiency by 23%.

Key words: Inventory, distributor, FMCG, stock out, Periodic Review, (R,s,S) system, (R,S) system