

ABSTRACT

Materials are an important part in a company. The availability of appropriate materials will be able to improve the performance of the company so as to increase the level of customer satisfaction. To PT PLN (Persero) Area Majalaya, the availability of materials will affect its ability to supply electricity to customers. The high demand for the materials in PT PLN (Persero) Area Majalaya in January - October 2013 was not matched by an adequate stock of inventory causing frequent stock out in the warehouse.

The research involved 150 SKU's with intermittent demand patterns with random data distribution and 46 SKU's with continuous demand patterns with normal data distribution. The method used in this research is the Tchebycheff approach for materials with random distribution of demand data and continuous reviews (s, S) approach for continuous material and a normal distribution of demand data.

Implementation of this policy is able to improve the average service level for each material up to 29.7% and lowers the total cost of inventories amounted to 37.53%.

Keywords : Materials, Inventory Policy, Continuous Reviews, Tchebycheff, Intermittent demands, Random data.