

ABSTRACT

PT.XYZ is company which is engaged in the plantation of tea, cocoa, oil, and kina. One of the product that is growing PT.XYZ is tea products manufactured by Downstream Tea Factory located in Cibiru Bandung. For send products to retail in the city of Bandung, PT.XYZ has a special Disribution Center (DC) located in Cikapundung Bandung. DC Cikapundung often can not meet the demand of retails in Bandung. This leads to loss of sales which resulted in the company experiencing losses. Therefore DC Cikapundung requires a planning and scheduling of distribution activities that can help to meet the demand coming.

Distribution Requirements Planning (DRP) method is a method that can make a product procurement planning on multi-echelon distribution system so as to meet the demand can not be met.

In this study, the data that is needed is the data requirements of each retail in Bandung period January to December 2015, the data lead time, cost data messages and save costs, and not demand data tepernuhi.

The Choose of Lot sizing method is Lot For Lot with the most minimum cost Lot size than the other methods. The end result of this study was associated with an increase demand fulfillment of the actual condition of 63% to 100% to meet the company's target of 95%. Found also a planning and scheduling proposals for the period January to August 2016.

Keyword :Distribution Requirement Planning, Lot Sizing, Lot For Lot, Clark and Wright Saving Heuristic