ABSTRACT

Ati Farm is a business entity that is engaged in laying hens. Based on the observations that have been made, the distribution system implemented by Ati's farm is still fairly ancient, because egg shipments will be sent once there is an order for supplier eggs in each region. The erratic fluctuation of egg demand causes quite high operating costs if there is no proper distribution planning scheduling. Not only that, the eggs produced every day by Ati's farm are perishable products so that these products need to be distributed immediately to egg suppliers. With that, in this study the Distribution Requirement Planning (DRP) method is used for distribution scheduling planning by determining the number of orders using the Lotting Size technique with the number of economic orders (EOQ). Finally, the application of these two methods can reduce distribution costs by 46.4% and the number of shipments can be optimized by Ati farms as well.
Keywords*: forecasting, distribution needs planning, distribution costs, egg distribution*