ABSTRACT

Manufacturing company has to supply everything quickly and just in the right time. Including in this case is the replenishment of raw material. The replenishment and available of raw material can support the production process fluently.

If the supply of raw material was disturb, it could make the delay of production process. It also can influence the production schedule and become the cause of loss in time, cost etc. That’s why company needs to consider the methods of planning and inventory control which is match and also can reduce the inventory cost. In this case, PT. Wirifa Sakti has not had the right method to make an analyze, planning and inventory control for the raw material which can support the animal feedmill production. The purpose of this research are making a forecasting of raw material, making a raw material planning and inventory control for the production of animal feedmill and also minimize total inventory cost. This paper applied the Ss policy and Silver Meal method to get the smallest total inventory cost. This research expectation is making the good replenishment, planning and inventory control that can reduce the delay of product supply for the customer and minimize the total inventory cost.

From the comparison of those methods, it can get the result that Ss Policy method make the total inventory cost reach Rp 11,418,714,996. Otherwise, the Silver method can make the cost smaller and reach Rp 8,611,548,584.

Keywords: Forecasting, MRP (Material Requirement Planning), Ss Policy method, Silver Meal method, Total inventory Cost.