ABSTRACT

The primary mission of a company engaged in the field of logistics is the **right time, right place and the right stuff**. PT. Pos Indonesia as one of the companies engaged in service delivery has a special unit of Mail Processing Center (MPC) is responsible for managing delivery of goods to the delivery center located in each city across Indonesia. Rationing mechanism according to shipping destination coverage area is divided into three parts. First Delivery of Primary Distribution of inter-Mail Processing Center located in each provincial capital, all spread throughout Indonesia. Second, Delivery Secondary namely the distribution of each Mail Processing Center to the delivery center owned by their respective cities throughout Indonesia. Third, the distribution of delivery centers to the end customer who is in the scope of the delivery center

In this research will analyze conducted using a logistic distribution routes with the aim of ***Saving Matrix Method*** to get the optimal route, so we can know the number of trips that should be carried out in accordance with the capacity of each fleet. Distance between the delivery center and inter-delivery center to the Mail Processing Center (MPC) will be analyzed to obtain the distance of each combination partner savings delivery centers, and distance savings will be ranked to determine priority in determining the order in route of the manufacture, taking into account the total demand delivery center in one routes so as not to exceed the capacity of the fleet

From the processing of data obtained three proposals more optimal route. Used to be 3 pieces fleet by taking the total distance of 4.937,4 km shorter than using six routes in the existing condition with a fleet that used as many as 6 units. In terms of cost efficiency distribution can be obtained cost savings large enough distribution around Rp.6.260.494,45, - for each month.

Key word : *Saving Matrix, Delivery center, Distribution*.