**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.