

ABSTRACT

Distribution is a process that shows the distribution of goods from the hands of a manufacturer into the hands of the consumer society, and people who perform distribution activities are called distributors.

Routing and scheduling system is a collection-set of locations that require service and describes the relationship between the distance of each location. Scheduling goal is to minimize processing time delivery, customer waiting time, and inventory levels, as well as the efficient use of facilities, manpower, equipment. Then understanding the route here is the path that must be taken to serve multiple locations.

In this study, the concept of scheduling and routes that are applied to the SJM distributor Air Conditioning (AC) D brand in Surabaya. Based on the results of a study of design owned by SJM delivery schedule for the month of March 2011 there were several delays in delivery of air conditioning products to consumers. The causes are in designing the delivery schedule committed SJM inefficient, because the SJM send the products to consumers so orders received on the spot regardless of the optimization of transport capacity factor of each fleet.

SJM is recommended for product delivery schedules to design more systematically and efficiently in order to avoid delivery delays that can lead to complaints from consumers.

Key words: distribution, transportation management, scheduling, route