

## ABSTRACT

In the context of *Supply Chain Management* (SCM), the role of logistics is needed to move goods. Logistics activities include the process of managing sales orders, inventory, transportation, warehousing, and integrated packaging. Therefore, SCM is needed in the company's business competition. This increase in business competition encourages industry players to make various improvements in their business processes. For example, improving company performance, improving service quality, improving speed in carrying out all processes that occur in industrial environments, and implementing distribution and transportation strategies. PT Pos Logistik Indonesia is a subsidiary of PT Pos Indonesia which implements integrated logistics services that are managed in a professional, efficient and scalable manner. SCM-based total service that handles the process of moving goods from upstream to downstream by integrating services *freight forwarding, warehousing, customs clearance* and *transporting*. Services for receiving, storing, arranging, maintaining and distributing goods are the types of services *warehousing* provided. In this study, investment planning and vehicle acquisition will be carried out which can be modeled into a problem *scheduling workforce* by calculating Vehicle Operational Costs (BOK) and calculations *aggregate*. And perform an analysis of the efficiency of own transport (investment) or rental transportation (vendors) on primary route services. The results of the research analysis provide results for investment planning and vehicle acquisition so as to minimize vehicle acquisition costs.

Keywords: SCM, *scheduling workforce*, primary route services, calculation *aggregate*, BOK.