

## **ABSTRACT**

*PT. ABC is a 3PL (3<sup>rd</sup> Party Logistic) company in Indonesia that have a problems in managing transportation and distribution of client's goods. One is uncontrolled transportation and distribution of proprietary client goods. The effect is the number of client's orders are unfulfilled due to lack of communication between the center and the branches so that the optimization and utilization of company-owned vehicles in the distribution of client's goods is less. Moreover in need the reporting period for 60 to 90 minutes is considered very time consuming company work. To overcome this problem it is necessary to apply a system in accordance with the operational business processes of transport and distribution PT. ABC.*

*The system will be built on this research is Transportation Management System (TMS) with PHP web based application and CodeIgniter framework using the waterfall methods. TMS is a transportation management information system that helps PT. ABC in managing operational business processes of transportation and distribution specifically on the process of execution and documents closing. In designing the TMS requires data obtained from observations and interviews directly with PT. ABC.*

*TMS is built and implemented in PT. ABC accordance with the policies and agreements between the developer and PT. ABC. In its implementation PT. ABC's users as TMS users are given modules and direct training for the system to be used properly in helping PT. ABC manage operational business processes of transport and distribution.*

*Keyword : Transportation Management System (TMS), PHP web application, CodeIgniter, waterfall*