

# **IMPLEMENTASI *TRANSPORTATION MANAGEMENT SYSTEM* DI PT TIRTA KENCANA TATAWARNA SURABAYA**

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## **ABSTRAK**

Seiring berjalannya waktu, teknologi berkembang dengan cepat. Teknologi dalam kegiatan *supply chain* dapat mendukung berjalannya suatu bisnis agar bisa bertahan dan bersaing. Teknologi dapat digunakan untuk membantu dalam kegiatan *supply chain*. Kegiatan distribusi pada *supply chain*, dilakukan agar perusahaan dapat menjangkau lebih banyak pelanggan. PT Tirtakencana Tatawarna merupakan perusahaan yang bergerak dalam bidang distribusi cat dan bahan bangunan. Perusahaan ini mengimplementasikan *Transportation Management System* untuk membantu merencanakan, mengoptimasikan, dan melakukan *routing* perjalanan *driver* dalam pengiriman barang ke toko pada kegiatan distribusinya.

Penelitian ini dilakukan untuk memahami implementasi *Transportation Management System* yang digunakan oleh PT Tirtakencana Tatawarna. Penelitian ini mencakup penjelasan mengenai fitur dan manfaat pada *Transportation Management System* (TMS) yang diimplementasikan oleh perusahaan. Dalam implementasinya, diketahui bahwa *Transportation Management System* (TMS) tidak terintegrasi dengan *Warehouse Management System* (WMS). Tidak terintegrasinya TMS dengan WMS akan membuat manfaat yang diterima oleh perusahaan tidak seoptimal jika TMS dan WMS sudah terintegrasi dengan baik.

Kata kunci : *supply chain, transportation management system, lead time*

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**ABSTRACT**

*With the passage of time, technologies are developing at a rapid pace. Technology in supply chain activities supports the running of a business in order to survive and compete. Technology can be used to assist in supply chain activities. Distribution activities in the supply chain are carried out so that the company can reach more customers. PT Tirtakencana Tatawarna is a company engaged in the distribution of paints and building materials. This company implements a Transportation Management System to help plan, optimize, and route drivers' trips in delivering goods to stores during their distribution activities.*

*This research was conducted to understand the implementation of the Transportation Management System used by PT Tirtakencana Tatawarna. This research includes an explanation of the features and benefits of the Transportation Management System (TMS) implemented by the company. In its implementation, it is known that the Transportation Management System (TMS) is not integrated with the Warehouse Management System (WMS). If TMS and WMS are not integrated, the benefits received by the company will not be as optimal as if both TMS and WMS are well integrated.*

*Keywords : supply chain, transportation management system, lead time*