Efficient Container Logistics System Model

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ABSTRACT

The containers were associated with import-export businesses via sea transport. It had an impact on economic value and was essential for logistics development. The Overseas Container Management System literature review found numerous papers that tend upward in port operations, container yards, or container terminals. This study follows this trend and is driven to learn about processes and container management systems in container yards. The research aims to study container management system analysis and the factors influencing an efficient container yard management system. This research is applied research, which includes collecting relevant documents, actual field data, surveys, and observation techniques. The sampling frame consisted of 400 trucks in a specific case study of an empty container terminal operation area in Bangkok port (Cargo Operations Division 3). Data was collected by the Case Record/Report Form (CRF). Binary logistic regression was used to analyze the relationship between the independent factors and the dependent variable.

Keywords: Container, Empty Container Terminal, Container Yard, Container Management System