

The Study to Optimize the Truck and Monitor Shipping

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Abstract: This research study Establishments who have undertaken professional experiences, encountered difficulties in shipping which are not efficient enough to meet the needs of customers as well. You still can not make deliveries achieved 100% of the work is still not done as a measure that is defined as the process does not have the technology to reduce errors in the accuracy of the data. at full capacity shown in the table below. Information Delivery Period Found that the total average number of 25 947 freight invoice was accounted for an average 94 percent that can be used successfully. An average of 6 percent can not delivery. Products are distributed through an average 90 percent of which is accounted for over the average of 10 percent, with the distribution, including 24 587 for months. The study data to track and monitor the delivery of the establishments that have the professional experiences and studies from various sources. Made aware of how to manage its liabilities. This can be done by targeting or performance indicators, providing transportation are obvious. Studies have previously route planning, distribution and transport of goods. Reduction in the movement of goods and support to improve work processes using technology to help increase performance with the correct process even more. So, from this study concluded that improving work processes are less complex and defined indicators or targets for service delivery technologies to aid in workflow and route planning before distribution. the product is very important to be able to improve the efficiency of freight services and tracking shipments as well. This will benefit both the enterprises themselves in terms of cost reduction and responding to the needs of consumers as well.

Keywords: Optimize, The truck, Monitor Shipping

INTRODUCTION

In the shipping business today. This is one factor that plays an important person in society. This form of transport such as road transport. Water transport Rail Transport And air transport, etc. The modes of transport with the highest proportion is. Road transport (Ministry of Transport, 2009), although road transport is more costly than other forms of transport. However, with the limitations of other forms of transport can not transport the beginning to the end. The road transport has advantages that can act as an intermediary in the distribution of goods from producer to consumer. (From door to door to the recipient) to meet the needs of service users (Koson Deesintum, 2009).

The problem of distribution is also another issue that is important, especially in an industry where costs are mainly of transport. The transportation process will generally focus on the part of management to deliver goods as fast as planned. Which may compromise the accuracy of the information, resulting in customer complaints, such as the number of items that must be shipped to the customer in each. The volume of each product The grading of delivery to the customer. That should be shipped to any customer order first, and next to transit in each of the value and efficiency.

The researchers collected data to the operator. The company is engaged in domestic express cargo business. And the storage of Fleet Management is planning a route, and track the performance of a shipping clerk. The researcher was interested to study ways to increase the efficiency of tracking and monitoring the delivery of establishment. To improve delivery performance.



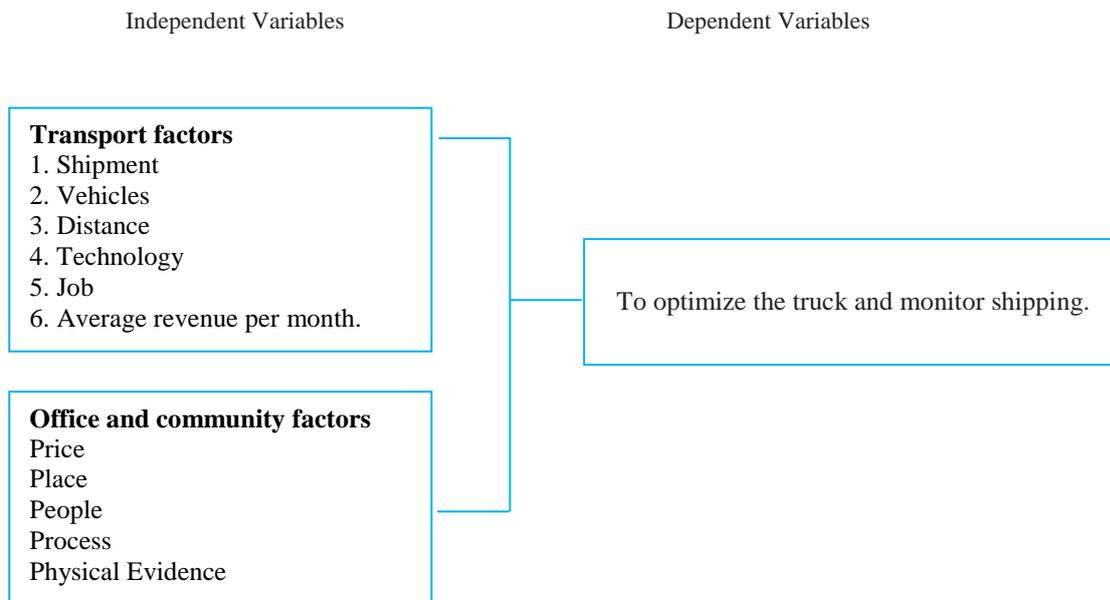
RESEARCH OBJECTIVES

The study tracked vehicle freight efficiency and Learn how to fix a product residues.

SCOPE OF RESEARCH

Tools used in research and data collection in this research include primary data is data delivery, the establishment of the research have been discussed by the conservative establishment than the secondary. from theory to research that involves the delivery of an effective solution to reduce its liabilities.

FRAMEWORK FOR RESEARCH



RESEARCH METHODOLOGY

Research in this Researchers have created using a interview. Sample The Office and Community The use of shipment, reduce costs and evaluating efficiency, The research was designed to gather information. The process of creating tools.

The study will be conducted comprising the steps as detailed below.

Step 1: studies and preparation of the work within the distribution center's establishment.

Step 2: Prepare Data volume shipping its success and accrued on a daily basis in order to find the problems and suggestions to resolve.

Step 3: A study performed to deliver solutions based on fundamental data used to analyze the problems.

Step 4: Analyze the process of working in distribution and pattern of delivery. To analyze the factors that cause the problem.

Step 5: summarizes the results of this study and suggestions.

From this research The researchers collected data from the document review, data delivery, success and cost of goods pending the establishment of the Chief of Staff and the documents used in the study were:.

- Primary data is data used in the study collected data from shipping directly to the establishment.

- Secondary data as a secondary document data used in this study to analyze and synthesize content from various sources and documents, research papers related research. Domestic and foreign

THE RESEARCH DEBATE

Clark and Dwight, 1964 has developed algorithms for problems of transportation of goods to customers, many of which can reduce the distance to be shortened by combining the two paths together by a principle. is to integrate the product into the same field by the delivery of the first customer, combined with the delivery of customer two main routes that same path, which is better than isolation.

The shipping shortens the shorter much after Holmes and Parker. 1984 have conducted research on the issue of transport of goods by a limitation in the capacity of the vehicle and tested a model of route for shipping. from the central warehouse only spread to the delivery of the vehicles used by more than one vehicle model using the heuristic of Clark and Dwight later Tanti.

Tantikorn Phipibul and Rungsak Kaewthammachai (2007) conducted a study on logistics issues central to the unit distribution, or customers in different provinces across the country, which is determined by the volume of freight each essentially include a path to the car. truck lane to bring the product to the point of delivery also covers the management of transport in order to return with the lowest cost method. Vehicle routing heuristic devices and Dwight Clark then be compared with the traditional method (Nearest Neighbor).

From the literature suggests that there is some consistency. The story is consistent, it is the shipping route. The truck route map to be used. To the point It also covers the delivery of transport management in return for the lowest cost. Managing transport goods Due to customer demand by shipping moving from the source to the destination set to respond to consumer logistics is a combination of information, transportation, administration, inventory, materials management. packing Logistics channels that add value to take advantage of the time and place of all, with regard to transportation. It involves all the logistics.

So, The use of the agency's information technology activities and resources applied together. In order to move the product or service. From suppliers to customers Song of the supply chain to transform natural resources, raw materials and other materials into a finished product. Then send it to the last customer (consumer or End Customer) in the philosophy of the supply chain. The material was then used May be recycled at any point of the supply chain time. If the material is a material that can be recycled (Recyclable Materials) is related to the supply chain, value chain.

The driver will be required to assess the satisfaction of the customer (Q-Sheet) to end customers. Satisfaction on all of the vehicles (Fleet only at maturity) and submit an assessment. Satisfaction came to represent the contractor vehicles. To forward it to the company for processing next. If customers request a change of venue when the shipping vehicles to store customers. The driver must notify the contractor vehicles to contact the company to perform the work according to the company intended to file a complaint about the customer service in the travel transportation. The driver must not Disputes with clients in all cases Keep detailed service offensive to allow customers to ask questions and clarify the company.

Improving the organization's activities must be continued past the Government and some state enterprises have set the standard for that. Employees found the lack of updates. Until the later technology has changed the distribution of information which is not standard, it is still like this above example. Illustrates the lax standards longtime Present day organizations, both public and private sectors need to be competitive. The loser of the winner of the competition is the subject of this standard. Organizations that lack of attention to the prescribed standards are backward-conscious organizations are also developing some standards. However, organizations that learn techniques to improve the standard continues to be a front organization craftsmanship.

CONCLUSION AND RECOMMENDATIONS

- 1) From the study found. Provides statistical information on shipping not detailed enough on education. If you have the opportunity to study in the future. There should be enough information for the study.
- 2) Education in this establishment will benefit and who will study the development of shipping the product to be effective.
- 3) Study the opinion that the next time there should be an establishment of many. The results were analyzed and compared. To see the results more clearly.

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REFERENCES

- Bernhard, J.A. & Marios, C.A. (2005). *Decision Supply Systems. A mated and a performance Measurement system for collaborative supply chains*. Management: McGraw-Hill.
- Bowersox, & Closs. (1996). *The deal to form a partnership freight*. Pages 214-216.
- Budvitee W. (2004). *The movement of goods*. Page 170. Items <http://www.logisticsthailand.com>
- BunPilai C. (2013). *Freihtmaxad*. Retrieved June 19, 19, from [freihtmaxad: http://freihtmaxad.com](http://freihtmaxad.com).
- Chairit Thongrawd & Wisit Rittiboonchai. (2016). *Factors Affecting Coffee Consumers' Behavior : A Case Study of Consumption in Bangkok Metropolitan*.
- Chaiyos, & Chaimokol. (2009). *The advantage of transportation*. Page 107. Bangkok:The PIM Vision prepress, 2009.
- Chutakul, Chu FL. (2010). *How to manage product residues*. Index Living Mall Company Limited. Ramkhamhaeng University.
- Clark, & White. (1964). *The route of transportation. Anywhere*. <http://www.mappointasia.com>
- Damrongdan, S. (2006). *Guidelines for the Performance Indicators*.
- Hanne, N. (2000). *Management accounting research. The Balance on the Balance Scorecard-A Critical Analysis of Some of Its Assumptions*. 11, 65-88.
- Holmes, & Parker. (1976). *How to cut a path*. SEARCHING SEARCHING. <https://books.google.co.th>
- Jittanwantana,Company. (1992). *Planning for Transport*.
- Kamnai Apibhatchayasakul (2008). *Forecasting and transportation planning*. Page 106. Items <http://www.mlog.mut.ac.th/IS/2555/5417510020.pdf>
- Lambert, D. M., Stock, J.R., & Ellran, L.M. (1998). *Supply chain and logistics*. Management: McGraw-Hill.
- Lambert's. (2003). *Transport*. 137 pages.
- Lieb, A. & Schwarz, H. (2001). *Performance measurement system design*. *International Journal of Operations & Production Management*, 15(4), 80-116. 87
- Munir, M., Ahmad & Nasreddin, D. (2002). *Robotics and computer integrated manufacturing. Establishing and Improving Manufacturing Performance Measures*, 18, 171-176.
- Neely, A., Gregory, M., & Platts, K. (1997). *Performance measurement systems design a Literature review and research agenda*. *International Journal of Operations and Production Management*, 15(4), 80-116.
- Poll Powell, Coffee & Save. (1983). *The definition of transport*. Anywhere. <http://www.tpa.or.th/writer>
- Srimahasup, P. (2010). *The transport milk run*. Anywhere. <http://orjournal.org/milk-run>
- Supersambea. (2008, 11 5). Retrieved July 5, 2017, from [supersambea: http://supersambea.blogspot.com](http://supersambea.blogspot.com).
- Suwannasombad, N. (2008). *The distribution and transport of goods through the distribution center*. searching <https://jiradabbc.wordpress.com/>
- Taniguchi, Tom Sun, Yamada, & Do-in. (2001). *The concept of cooperation, namely the transport of goods*. Pages 1-15.
- Wanee Sutthachaidee. (2016). *Logistics Management Of Coconut-Shell Products Manufacturing : A Case Study Of Samut Songkram Province, Thailand*.
- WareeWong, K. (2004). *LTL transportation*. Anywhere: <http://logistics56.blogspot.com>