"Study Affecting Factors of Rail Transportation in Hualampong Station"

โดย
ค.ดร.ธวัชวิทย์ โคตรไวยะ
วิทยาลัยโลจิสติกส์และธุรกิจพลังงาน                                                                   

ได้รับมอบหมายจากคณะมนตรีกองทุนพัฒนาบุคลากร
มหาวิทยาลัยราชภัฏสวนสุนันทา ประจำปีงบประมาณ 2561
PROCEEDING

รายงานการนำเสนอผลงานวิจัยในการประชุมวิชาการระดับนานาชาติ
International conference on “Implications of Research in Business, Economics, Management Social Science and Humanities (IRBEMH-MAY-2017)”

เรื่อง

“Study Affecting Factors of Rail Transportation in Hualampong Station”

โดย

ดร.นพดล์ โพธิ์ไพศาล
วิทยาลัยโลจิสติกส์และธุรกิจเพลยเซ็น

ได้รับงบประมาณสนับสนุนจากกองทุนพัฒนาบุคลากร
มหาวิทยาลัยราชภัฏสวนสุนันทา ประจำปีงบประมาณ พ.ศ.2561
BOOK of FULL
PAPER
PROCEEDINGS
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Proceedings of the 18th International Conference on Management, Business, Social and Humanities Research (MBSHR)

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18th International Conference on Management, Business, Social and Humanities Research (MBSHR-MARCH-2018)

Venue: Hotel Jen Hong Kong 508 Queen’s Road West, Hong Kong

Theme: Promoting research and developmental Activities through Social Sciences innovation
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Email: info@anissh.com
CONFERENCE TRACKS

- Social and Community Studies
- Arts
- Humanities
- Civic and Political Studies
- Cultural & Global Studies
- Environmental Studies
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- Educational and Communication Studies
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A Guideline for increasing Transportation Efficiency: A case study ABC Co., Ltd.

The Effects of Perceived Threat on Attitudes toward Government:
CONFERENCE CHAIR MESSAGE

Dr. Vincent

International Conference of Akademika Nusa Internasional Association of Social Sciences and Humanities is a platform that thrives to support the worldwide scholarly community to analyze the role played by the multidisciplinary innovations for the betterment of human societies. It also encourages academicians, practitioners, scientists, and scholars from various disciplines to come together and share their ideas about how they can make all the disciplines interact in an innovative way and to sort out the way to minimize the effect of challenges faced by the society. All the research work presented in this conference is truly exceptional, promising, and effective. These researches are designed to target the challenges that are faced by various sub-domains of the social sciences and applied sciences.

I would like to thank our honorable scientific and review committee for giving their precious time to the review process covering the papers presented in this conference. I am also highly obliged to the participants for being a part of our efforts to promote knowledge sharing and learning. We as scholars make an integral part of the leading educated class of the society that is responsible for benefitting the society with their knowledge. Let's get over all sorts of discrimination and take a look at the wider picture. Let's work together for the welfare of humanity for making the world a harmonious place to live and making it flourish in every aspect. Stay blessed.

Thank you.

Dr. Vincent
Conference Chair
Email: conference.chair@anissh.com
CONFERENCE SCHEDULE

ANISSH-2018

Venue: Hotel Jen Hong Kong 508 Queens Road West, Hong Kong

Time: Registration & Kit Distribution (09:00 - 09:10 am)
     Day: Wednesday
     Date: March 14, 2018

Venue: Room 1

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Tea/Coffee Break (09:40 - 10:00 am)
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DAY 01 (March 14, 2018)

Second Presentation Session (01:00 am - 02:30 pm)

Venue: Room 1
Session Chair: Dr. Vincent

Track A: Business, Economics, Social Sciences and Humanities

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Closing Ceremony
Conference Day 02 (March 15, 2018)

Second day of conference will be specified for touristry. Relevant expenses are borne by individual him/herself.
Study Affecting Factors of Rail Transportation in Hualampong Station

*Chattrarat Hotravaisaya
College of Logistics and Supply Chain, Suan Sunandha Rajabhat University, Bangkok, Thailand
chattrarat.ho@ssru.ac.th

Abstract. This research is study factor that has affected to decide of rail transport in Hualampong Station. The methodology of this research includes 3 parts. The part 1 relates to theory, research, and model in rail, transportation and marketing. The part 2 is population selection. The population is customers who use the rail to deliver products to another province in Hualampong station. They are approximately 1,500 people per day. The sample group is selected by the Two Yamane method at 95% confidence level. They are 316 people. The part 3 is results and suggestion. The questionnaire was distributed from June to November 2017. The results shown that most people who used rail transport was male at 72.50% and worked as officers at 60%. They used rail transport because the cost was the cheapest at 90%. The frequency of transport was every month at 69%. The customer selected Hualampong station as the employee were supportive and had good service. Promotion and physical evidence were not attractive for customers. Process of transportation should be solved and applied technology in a track system, for example barcode and RFID systems.

Keywords— Rail Transport, Hualampong Station, SRT

INTERODUCTION

The State Railway Transport (SRT) is a rail transport in Thailand. It has station all parts of Thailand. It has passenger and products, transport. The mission of SRT in 2017, it enhances the service of SRT. Suan Sunandha Rajabhat University is the consult of SRT. The researcher is in charge of quality and develop the staff of SRT for 1 year. The part of research is study affecting factors of rail transport in Hualampong station.

Harris K. Elaine (2010) suggested that the services to the customer, then there are many factors that impede services to clients. It is a corporate management services when the problems occur. Then customers are difficult to access or do not have the staff to assist customers. Device support is not effective. The policy that there is no flexibility towards customers. The terms in the user's manuals, warranties or difficult to understand. Customer service process. That is not up to date, and the company lacks an understanding of the unique value from the service. A part control's services or contact face to face with customers directly. However, there are other obstacles, threats, or messages that are associated with the service providers directly, which can be controlled by a service provider.

Dedicated to the care of these duties, threat messages include idleness. The lack of communication skills. Time management is not effective. The lack of a good attitude towards emotional state of service providers. The lack of a proper battle baking. Lack of skills, lack of control over the tense management authority fully. The customer service and the proportion of employees with abusive customers. This is to deal with the problems mentioned above are that employees provide services to customers must have self-develop assessment.

Technical service expectations of the customer

1. Knowing the customers; that is to know that a customer who has a passion and what customers don't like
2. Find out the real value that customers really want, and not what the organization already has
3. The Mission of the Organization, communication, customer acknowledges
4. Customer service in accordance with the Covenants given to customers and to meet the expectations 5. Maintain service levels are regularly and do not make promises to customers want. Organizations can not be done because the customer wants to get a good experience every time you visit the service.
5. Customer communications via customer communication paths, such as certain customers may prefer to communicate directly with the employee. Some groups may prefer to communicate via online, etc.

Jamal Naser (2002) suggested that customer satisfaction are feeling better from expectations and customer experience. Koffler (2003) mention that the service is satisfactory to the user service. It will lead to results 3 reasons.

1. Increasing the number of service users. The service will vary depending on whether a user response services individually, or as a result a user and business. This service provider will be required to provide and develop services that are appropriate for the user. To strive the number of users and affect customer satisfaction and retention. Therefore, from a study on improving the service regardless of the 8 factors led to differentiation in service.
2. Income for organizations or agencies established to provide services. Typically, you need to consider the purpose of a service provider that is a model of organization, non-profit, or not business and specific needs of the individual service users. They should have the skills and abilities to provide services. They focus on quality rather than quantity, or to provide a service that is different from other business differentiation and satisfaction in using the service.
3. Quality of life in the service and in consideration of the service provider must correspond to the needs of the user. Make the service user satisfaction, because the quality of service measured by satisfaction. Practices are incomplete if an error occurred, it is difficult to make a satisfactory service for users. Providing fast service on schedule is important.
Consider the hustle of user services and respond quickly to catch up before the scheduled as needed—such. It should focus on the benefits of service providers or the users of the service do not have enough to think about society and the environment.

The quality of service measurement

The tools use to assess the quality of service metrics (Hotrawaisaya, 2014). They are 5 aspects as follows;

1. Reliability: R means a service provider must demonstrate credibility and acceptable in providing services as promised to meet the need of customer. There is no error between service occurs. The indicators of reliability are 5 elements.
   1.1 The ability of service providers according to the contract.
   1.2 The record’s data of customers and using the data to improve service.
   1.3 No error while service.
   1.4 Hardware and tool should be always maintenance.
   1.5 The number of service provider should be enough for customer.

Assurance
A means service providers need to build confidence so that people feels confidence to use the services. They will receive good services from expertise. This part of assurance service has 4 quality indicators.

2.1 The service providers have the ability and knowledge to provide news and information services as well.
2.2 The trust and confidence include security in service.
2.3 The polite and gentle of service providers.
2.4 The service provider must build confidence and service rules.

Tangibles
T refers to something that will serve as a convenient device. The service providers are professional in service by using the tools of quality indicators in the service of physical.

3.1 Modern equipment
3.2 On-site environmental services
3.3 Personnel of service providers
3.4 availability of the document in the service

Empathy
E means understanding the needs of the recipients of services. That is always important. The service instrumentation on the quality of care services are as follows;

4.1 The service provider empathy to customers who receive the service.
4.2 Time service, it shows open and closed service clearly correct.
4.3 Channels and the opportunity receive newsletters of organizations.
4.4 The service provider is interested in customer needs.
4.5 The service provider should have the knowledge and the ability to access data from an extensive service.

Responsiveness
R refers to service provider who serves with dedication, deliberately and carefully, including faster response for people in the service. By having a quality measurement tools in the service of the response.

5.1 There is a rapid response system to provide services.
5.2 The service provider are ready and have the knowledge to provide information for people in the service correctly.
5.3 The service provider are agility in providing the services.
5.4 The service provider are ready immediately when customers need help.

METHODOLOGY

This research study the affecting factors of rail transportation in Hualampong station. The methodology includes as follows:

1. Population
   The population of this research is the customers who use rail transportation for delivery products in Hualampong station.

2. Sample group
   The sample group is calculated by Tara Yarnane method at 95% confidence level. The simplified formula proportion:
   \[ n = \frac{N \cdot p \cdot (1-p)}{1 + N \cdot p \cdot (1-p)} \]

   The sample are approximately 316 person and use Stratified Random Sampling. The questionnaires were distributed from June to November 2017 at Hualampong station. The data is collected and analyzed in percentage, mean and standard deviation.
RESULTS

The result of this research is summarized in Table 1 and Table 2. There are personal information and affecting factors of rail transport.

**Table 1: Personal Information**

<table>
<thead>
<tr>
<th>Age</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-20</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>21-30</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>31-40</td>
<td>60</td>
<td>169</td>
</tr>
<tr>
<td>41-50</td>
<td>5</td>
<td>32</td>
</tr>
<tr>
<td>50 up</td>
<td>5</td>
<td>3</td>
</tr>
<tr>
<td>Total</td>
<td>87</td>
<td>229</td>
</tr>
</tbody>
</table>

**Table 2: Factors of rail transportation**

<table>
<thead>
<tr>
<th></th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The product is distributed every day.</td>
<td>3.75</td>
<td>3.50</td>
</tr>
<tr>
<td>The time table is various.</td>
<td>3.90</td>
<td>3.50</td>
</tr>
<tr>
<td>The delivery is on time.</td>
<td>3.75</td>
<td>2.50</td>
</tr>
<tr>
<td>The product is kept safety and clean.</td>
<td>3.00</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>Price</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The freight price is reasonable compared with distance</td>
<td>4.75</td>
<td>4.25</td>
</tr>
<tr>
<td>The freight price is reasonable compared with package</td>
<td>4.75</td>
<td>4.70</td>
</tr>
<tr>
<td>The freight price is clarify.</td>
<td>4.50</td>
<td>3.50</td>
</tr>
<tr>
<td>The freight price is reasonable compared with quality</td>
<td>4.25</td>
<td>3.50</td>
</tr>
<tr>
<td>The freight price is the most cheapest</td>
<td>4.75</td>
<td>4.75</td>
</tr>
<tr>
<td><strong>Place</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Facility for loading</td>
<td>4.00</td>
<td>3.25</td>
</tr>
<tr>
<td>Information for transportation</td>
<td>3.50</td>
<td>2.25</td>
</tr>
<tr>
<td>Online information</td>
<td>3.00</td>
<td>2.00</td>
</tr>
<tr>
<td>Call center</td>
<td>3.00</td>
<td>2.15</td>
</tr>
<tr>
<td><strong>Promotion</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Image of SRT</td>
<td>3.00</td>
<td>2.50</td>
</tr>
<tr>
<td>Advertisement</td>
<td>2.50</td>
<td>2.50</td>
</tr>
<tr>
<td>Discount and promotion</td>
<td>2.25</td>
<td>2.00</td>
</tr>
<tr>
<td>Special gifts and cooperation</td>
<td>2.00</td>
<td>2.00</td>
</tr>
<tr>
<td>Reliability</td>
<td>2.75</td>
<td>2.15</td>
</tr>
<tr>
<td>People</td>
<td>3.10</td>
<td>3.15</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>Staff uniform</td>
<td>3.55</td>
<td>3.25</td>
</tr>
<tr>
<td>Hospitality</td>
<td>3.75</td>
<td>3.40</td>
</tr>
<tr>
<td>Clearly notice and information</td>
<td>3.75</td>
<td>3.75</td>
</tr>
<tr>
<td>Staff service</td>
<td>3.95</td>
<td>3.80</td>
</tr>
<tr>
<td>Friendly</td>
<td>3.25</td>
<td>3.00</td>
</tr>
<tr>
<td>Process</td>
<td>3.50</td>
<td>3.00</td>
</tr>
<tr>
<td>Packaging is comfortable</td>
<td>3.75</td>
<td>3.00</td>
</tr>
<tr>
<td>Item registration is fast</td>
<td>3.15</td>
<td>3.00</td>
</tr>
<tr>
<td>Physical Evidence</td>
<td>3.30</td>
<td>3.55</td>
</tr>
<tr>
<td>Station is decorated, clean and beautiful</td>
<td>2.75</td>
<td>2.25</td>
</tr>
<tr>
<td>Station has own unique</td>
<td>2.50</td>
<td>2.75</td>
</tr>
<tr>
<td>Station has the delivery process</td>
<td>2.75</td>
<td>3.35</td>
</tr>
<tr>
<td>Station is clean and safety</td>
<td>2.75</td>
<td>3.00</td>
</tr>
<tr>
<td>Station has a capacity to collect the items</td>
<td>3.00</td>
<td>3.10</td>
</tr>
</tbody>
</table>

CONCLUSION AND FUTURE WORK

The researcher summarized that most customers used rail transportation because of freight price. This is the cheapest price as compared with other transport. Most of them are familiar with delivery items for a long time. However, they prefer information technology and digital screen for the tracking system. These can support customers to check all products for security and right destination. The SRT has to focus develop IT and skill of staffs. In the future research should study in heavy items or bogies transport that is the highest profit for SRT.

ACKNOWLEDGEMENTS

I would like to express my sincere thanks to Suan Sunandha Rajabhat University for invaluable help throughout this research. University, Bangkok, Thailand, and Office of the Rubber Replanting Aid Fund at Ranong, Thailand.
REFERENCES


