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Kampus Sungai Petani

Faculty of Administrative
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MODELLING THE EFFECTIVENESS OF USING ONLINE FOOD DELIVERY SERVICES APPS AMONG CUSTOMERS IN KLANG VALLEY DURING COVID-19 PENDAMICS.

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ABSTRACT

Online services of food delivery are more critical than ever. It has become more and more popular worldwide. Customers are getting comfortable using the apps for services to order the meals they want via their smartphone using the apps. There are more than ten online food distribution service providers currently operating on the market in Malaysia. What separates them, though, is the speed of services, the food prices, the delivery rates, the selections offered and deals, the user interface(UI) of the apps, user friendliness etc. This research is therefore carried out to examine the key factors affecting the intention of customers to use online food delivery services among customers in the Klang Valley during Covid-19 in 2020. The research investigating the most significant factors that influence the customer purchase intention on using Online Food Delivery (OFD) services. There are 4 independent variables which we are focusing on; time, price factor, convenience motivation factor and food illustration. From the research, we have found out that convenience motivation factor is the most important exogenous variable that can influence purchase intention directly, sequentially through shopping motivations. Customers wants the transaction to be quick, easy, convenience and simple. The other factors that have significant impact to customer's purchase intentions are price and time factor. The least factor that influence customer's purchase intention is the food illustrations. The study is carried out by gathering responses from over 207 people and only 167 participants are eligible for inclusion.

Keywords: online food delivery systems, convenience, time factor, price factor, food illustration.

INTRODUCTION

Day after day, the world is getting involved and the changes are constantly changing rapidly. Everything around us is changing on around, without us even noticing it (Lau et al., 2019).

Talking about eating out, for example, by understanding or not, people often use online food delivery (OFD) services more than ever before. The market size for 2017 stands at USD 66.3 million for Malaysia as a whole and has increased dramatically since then. As of 2020, the size of the market is expected to reach USD 192 million by the end of this year. This is a sign that the demand for food delivery is enormous and it keeps increasing day by day. However, what are the determining factors that makes customers choose to purchase foods online. What makes the industries growth rapidly? Do Malaysians accepted the additional costs incurred when they ordered food online and by having it delivered to their door steps does really saves their money on travelling, petrol, parking etc (Lisnawati et al., 2020) or is it the attractive foods displayed in the websites and applications does have impact on consumers purchase intention the ordering foods online. In Malaysia most restaurant still depending on 3rd party apps for delivering their foods and products. This is due to limitation of resources and expertise in the food company. Some due to logistics issues and the cost of starting up the system and the whole team of delivery business from back-ends, software, runners etc is very expensive. For some established companies like McDonalds, KFC, and Pizza hut, there also uses the services provided by these 3rd party platforms due to limited runners they have and the logistics issues. This study conducted to perform a research towards factors influencing the purchase intention of using online food delivery services among customers in Kuala Lumpur during covid-19 Movement Control Order (MCO) period. The respondents are collected from the customers who used the OFD services during the MCO in 2020.

Literature review and hypotheses development

One of the most dominant and most important factors in using OFD services is TF. In today's fast-paced life, many can't afford to go out for dinner or wait for dinner to be served in a restaurant (Euromonitor, 2015). So, instead, they make the food come to them. This is about taking as little time as possible to get a job completed, and it is a time saving tool for them. Thanks to its convenient, ease and accuracy of orders, OFD services also tend to be beneficial to customers (Verma et al. 2009). Some of these food deliveries are catered for the household market, meaning they are distributed to households, at about 70 percent of the order. That figure suggests that the food distribution target market relies primarily on household assets. The time saved by online shopping is a value earned by consumers. Online shopping is seen by a customer as useful as it can save time, reduce energy, and deliver extended store hours and efficient checkouts (Chiu et al., 2014). H1: Time factor (TF) has a positive relationship with purchase intention of using Online Food Delivery services among users and customers in Kuala Lumpur.

Consumers are searching for price cuts by price discounts, and they are curious about how much money they can save from these discounts (Darke et al. (1995). Lower rates stimulate an organization's profits, and higher discounts boost the market value of the individual commodity (Madan and Suri, 2001). In addition to recognizing the consideration of monetary savings, the price saving approach can also be viewed from the viewpoint of not incurring any extra costs for buying a product or using a service (Escobar-Rodríguez and Carvajal-Trujillo, 2014). Online users have the opportunity to compare prices by visiting multiple

pages or OFD services applications, so it would be viewed as the most valuable website by the business that can deliver a lower price. Comparing conventional retail and online shopping, the relative benefit of online shopping is that it can offer both lower prices and save time, making online shopping much more convenient, as has been empirically proved (Akroush and Al-Debei, 2015). H2: Price Factor (PF) has a positive relationship with purchase intention of using Online Food Delivery services among users and customers in Kuala Lumpur.

This study adopts part of the Technology Acceptance Model (TAM) Davis (1989), Dinev, and Hu (2007) to examine the acceptance of a new technology. TAM indicates that when a consumer discovers a new technology, there will be many factors influencing how they embrace and use the technology. This has been used to describe factors influencing the adoption of other technologies or systems in both the customer and organizational sense (Rezaei et al., 2016c). Examples of these contexts include business graphics systems, online fashion shopping (Kim and Forsythe, 2008), mobile Internet (Venkatesh et al., 2012), smartphone use (Chun et al., 2012), social networking (Pinho and Soares, 2011), mobile police (Lindsay et al., 2011), teleworking (Pérez et al., 2004), and social media, specifically instant messaging services (Zhao et al., 2016). These studies have shown that the factors perceived to be useful and perceived to be user-friendly have been able to explain how easy or difficult it is for users to accept the use of the different technologies.

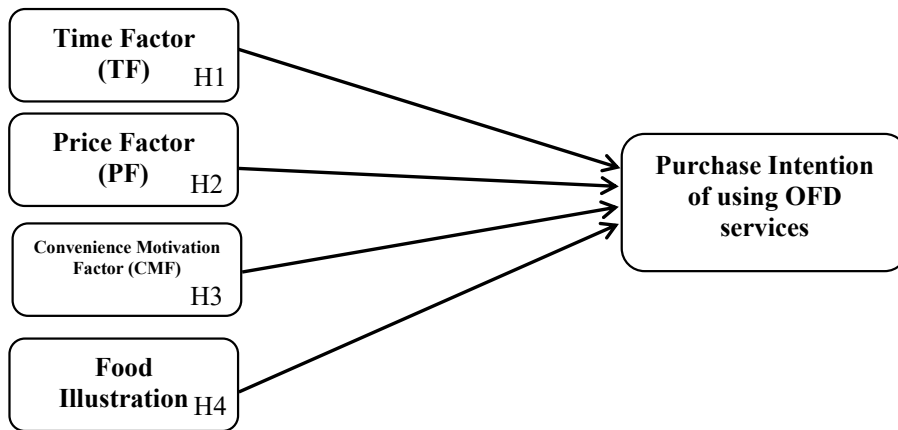
H3: Convenience Motivation Factor (CMF) has a positive relationship with purchase intention of using Online Food Delivery services among users and customers in Kuala Lumpur.

Salleh Mohd Radzi, et al. (2015) refers to food presentation as an appealing appearance and decoration of the product as measurable indicators for the interpretation of quality by the customers. Aforesaid, presentations are important for indicating the customer's first perceptions of the product. In addition, the ideal combination of food presentation helps the diners to completely appreciate the dining experiences. Spence (2010) also accepted that it was discovered that the interpretation of consumers is typically influenced by what they see through their eyes in terms of providing a better dining experience. H4: Food Illustration Factor (FIF) has a positive relationship with purchase intention of using Online Food Delivery services among users and customers in Kuala Lumpur.

Research methodology and data analysis

There are two data forms secondary and primary in existence. The aim of data collection is to identify primary data by gathering the data necessary for this analysis. All data obtained will help address the goals and hypotheses of research. This would also provide legitimacy and validation to a report to be carried out. The data obtained would of course provide researchers with a clearer picture. In primary data collection or secondary data collection the respondents will be tracked by questionnaire. Sometimes on study, primary data will be chosen to collect data required for this information gathering phase. In addition, this study will benefit from the quality of the data information. The object of this descriptive study is to know the purchase intention of using Online Food Delivery services apps in Klang Valley among users and customers. Number unit of population of this research on frequency. The questionnaire will be given in English. The questionnaire consists for namely Section A demographic profile of respondent's question 1 to 7, section B respondents experience using online food delivery services question 8 to 12, Section C Purchase Intention for Online Food Delivery services

question 13 to 17, Section D Time Factor question 18 to 22, Section E Price Factor question 23 to 26, Section F Convenience Motivation Factor question 27 to 30, Section G Food Illustration Factor question 31 to 34.



Independent Variable

Dependent Variable

Table 1. Summary of Pearson Correlation of Purchase Intention of Using Online Food Delivery Services Apps

	Purchase Intention	Time Factor	Price Factor	Convenience Motivation Factor	Food Illustration Factor
Purchase Intention	1	.692**	.558	.700	.350
Time Factor	.692**	1	.533	.754	.324
Price Factor	.558**	.533	1	.493	.383
Convenience Motivation Factor	.700**	.754	.493	1	.389
Food Illustration Factor	.350**	.324	.383	.389	1

**, Correlation is significant at the 0.01 level (1-tailed).

RESULT

The result of the Reliability Test has revealed that the entire variable (time factor, price factor, convenience motivation factor, food illustration factor, and purchase intention to use online food delivery services apps) is confident. The Cronbach's Alpha result states that the built objects are a good match for presenting the variables, and further research can be performed with confidence. This means that all the variables provided by a number of items were a good order and placement as the result of the data analysis shows that these items are closely related and within the same variable, but it is sufficiently secure to be classified as redundant secure. In this research, convenience motivation factor plays the most important role for most customers when they are choosing the best online food delivery services for them. They love apps services that is easy to use and navigate. The ordering process should

be simple and straightforward. A friendly apps will be their main preference. They also love apps that could understand their preferences so every time when they open the app to buy the foods, the app system would know what best to offer to the particular customer. This would help customers to make purchase decision instantly and seamlessly. Existing customers are essentially important to any establishment as they have experience in buying and using the services provided by the company. Thus, the process should be simple and less hustles.

CONCLUSIONS

From the study we could gain a lot of information that could help the online food delivery services apps to improve their system and customers experiences. Apart from the new norm post covid-19 pandemic, customers love to choose convenient more than ever over hustles. Dependable on smartphone usage has increased significantly over the years. Everyday duties and routines are mainly made using smartphones. Thus, it is important for the player of the industries to know precisely what customers do loves. In the study it shows customers frequently ordered foods for 2-4 person for each transaction thus more food meals should offered particularly for 2-4 pax so customers can make decision easily. The average spending is below RM40 thus the price range on focused items should within the range. It clearly shows that the current trend in online food delivery is fast foods and the particular industry makes take up the major market shares. It probably the marketing efforts made by them or maybe by other reason thus those particular fast-food industries could enhance their foods and services to take advantage of the situation. However, for other restaurant or cuisines, they might need to do more aggressive marketing or promotion so they could capture the customers to encourage them to choose to buy their meals over other competitors. In this research, convenience motivation factor plays the most important role for most customers when they are choosing the best online food delivery services for them. They love apps services that is easy to use and navigate. The ordering process should be simple and straightforward. Existing customers are essentially important to any establishment as they have experience in buying and using the services provided by the company This would improve the customers experience significantly as the customers could plan ahead their time and schedule more effectively and just focused on their other tasks but still can have their meals on the time, as they want it to. Price factor plays a quite significant impact on customers purchase intention towards using online food delivery services apps. The current economic conditions post covid-19 have affected most of us. Customers would think twice when they want to spend every ringgit of their hard-earned money. They will ensure the money spent gives value to them. Value often be the main criteria over other factor. Thus, the apps service provider and the restaurant should be more creative on determining the foods price and the delivery charges by still managed to obtain their target revenues. Although there are saying that good foods plating is more tempting to the eyes. But on this particular online food delivery services, it might not be the main factor that customers are looking for or at least for now. Customers tend to weigh other factors over food illustration shown on the app's menu.

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