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Problems of Online Purchase on Consumer Behavior and its Impact on Repeat Buying Decision (Survey on the Indonesian Online Shops' Consumers)

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Abstract

Purpose: The goals of this study are 1) to find some important problems of online purchase, 2) to know the effect of problems of online purchase on consumer behavior; 3) to reveal the influence of consumer behavior on repeat purchase decision; 4) to know the effect of problems of online purchase on repeat buying decision through consumer behavior.

Theoretical Framework: Theoretical framework of this study is taken from theory of the online transaction, consumer behavior and buying decision theories mainly from Phillip Kotler.

Methodology:

The present writer employs the research based on the quantitative approach, descriptive and verified design, and survey method. As much as 100 consumers of the major online shops are selected using purposive random sampling as the respondents. The data from the site is analyzed using the partial least square structural equation modeling (PLSSEM)

Findings: First, indicators' effect of the problems of online purchase on consumer behavior falls in moderate. Second, the influence of the behavior of the consumer on the indicators of the buying decision is moderate. Third, the influence of indicators of the behavior of consumer on repeat buying decision ranges from low to moderate effect. Fourth, the effect of the consumer behavior on the indicators of the repeat buying decision is low. Sixth, Problems of online purchase affects Consumer behavior significantly with its indicators. Seventh, Consumer behavior affects significantly the Repeat buying decision. Eight, problems of the online purchase affect the repeat buying decision through the consumer behavior.

Practical Implication: this study give a practical contribution to the consumers in order to be more careful when doing online transaction and to the online shop organizers to be more responsive to the complaints of the consumers dealing with the online purchasing problems.

Value: this originality of the study can contribute to further research on the online consumer behavior.

Keywords: Online Purchase, Consumer Behavior, Repeat Buying Decision.

Introduction

This time the trend in the business becomes more and more sophisticated compared to the previous years. This occurs because people prefer to conduct the online business transaction than the conventional one, namely face to face business transaction. The more and more advanced telecommunication technology has changed radically consumers in Indonesia so far. According to the data resulted from the research done by one of the prominent both offline and online Kompas in 2021 stating that 87.1% of the Internet subscribers conducted the online shopping. This finding has been strengthened by the study entitled "Navigating Indonesia's E-Commerce: Omni channel as the Future of Retail" done by SIRCLO as quoted by Kompas there were as much as 74.5% move from the face-to-face shopping into the online shopping. Thus, it can be inferred that most of the Indonesia consumers like to conduct the online purchase that the offline one.

In line to that, one of the most prominent online shops, namely Shopee has conduct research in 2023 about the trend of the online shopping in Indonesia with the following result: First, digitalization in business has changed the online shopping behavior of the consumers.

Second, the majority of young consumers (generation) more actively conduct the online shopping. Furthermore, the Y generation have good perception of the consumers' right. Nevertheless, the Y generation who struggle for their lifestyle, they give many complaints to the online shops relating to their online services (Simanjutak, M., 2019). This relates to the online consumer behavior among the Y generation which is affected by the perceived risk meaning that when the risk is high then the online consumer behavior will change (Salim, M. et.al., 2019).

Third, content creators drive the growth of the more enhanced economy. Fourth, most of the consumers from big cities more and more conduct the online shopping.

Apart from that, there is a question emerging from the online business transaction, namely is the online shopping safe enough as seen from the consumers' view point? As it is said by information technology expert and CEO & Chief Digital Forensic Indonesia, Ruby Alamsyah as quoted by Media Indonesia newspaper (28 September 2021), that there is a possible leak of the consumers' data during the online transaction. Another possible risk is that there is possibility of the dishonesty of the online sellers by tantalizing consumers with the cheap price.

Furthermore, regarding problems for online shopping, what many consumers complaint are that goods are not received (57 percent), non-conforming goods (15 percent), refunds (15 percent), delivery problems (7 percent), burglary (4 percent), inappropriate advertising (4 percent) and others (4 percent). According to the Coordinator of Consumer Protection (Business.com, 2021), the majority of the consumers' complaint is that goods are not received after they have paid. Moreover, it has been studied that fraud occurs many times for the Internet users in Indonesia that make worried consumers who want to conduct purchase transaction online (Teofilus, T., et.al, 2020).

From the background above, the present writer proposes the following research questions: First, do the problems of the online purchase will affect the consumer behavior in relation to the online buying activities? Second, does the consumer behavior affect the repeated buying decision among the consumers of the prominent online shops in Indonesia? Third, do problems of the online purchase affect the repeat buying decision through the consumer behavior? Commencing from those questions, the present writer conducts research entitled: "Problems of Online Purchase on Consumer Behavior and its Impact on Repeat Buying Decision (Survey on the Indonesian Online Shops' Consumers) "

Theoretical Framework

The activities of online buying product or services through the Internet platforms in online shops is a form of e-commerce, in which the consumers directly buy goods and / or services from the sellers over the Internet without an intermediary party. Some problems relating to the online purchase are as follows: First fraud and security relating to the inability to inspect the product that are going to be bought which is prone to fraud. Second, lack of accurate price disclosure meaning that the consumers sometimes should pay more than the real price of the products that they buy offline. Third, Privacy infringes can occur in the forms of consumer personal data stolen by other parties. Fourth, the products that are exposed through the web site can be different with the products that are sent to the

customers (Sunitha, C.K & Gnanadhas, M.E, 2018).

Empirically problems of online purchase undergone by the consumers who conduct online purchase experiences the following problems: First, cancelation of the product that they have ordered due to the unknown reasons from the online shops where they order the products. Second, the products that have been bought by the consumers are sometimes different with the product that have been seen in the web of the online shops, such as color, quality and physical forms. Third, consumers who buy the product using COD will not be able to return the product to the expeditor when, for example, the product is faulty. This finding originates from the interview to several consumers who have conducted many times of buying products online in some online shops in Indonesia.

Consumer behavior as defined by Kotler and Keller (2012) is "the study of how individuals, groups, and organizations select, buy, use, and dispose of goods, services, ideas, or experiences to satisfy their needs and wants". Furthermore, they said that the factors affecting consumer behavior are culture, social, personal, and psychological factors. Culture is the most dominant factor affecting the consumer behavior. Social factors that affect the consumer behavior are constructed by reference group, family, social role and status. While a personal factor consists of age, life cycle, job, economic environment, personality, self-concept, life style, and values. Moreover, a psychological factor consists of motivation, perception, learning and attitude. Another definition stating that consumer behavior entails all activities associated with the purchase, use and disposal of goods and services, including the consumer's emotional, mental and behavioral responses that precede or follow these activities." (Wikipedia.org)

In line to that the digital market produces a new distinguished model for the people when they conduct the online transaction that theoretically underlain by the consumer behavior theory. That is why, the consumer behavior is something underlying the consumers in making buying decisions. Furthermore, the behavior of the consumer is a deed which is connected to consumers' purchasing activities. Thus, such behavior cannot be separated from the important causes of the online purchase processes, namely consumer's trust, convenience and the digital buying experiences (Retnowati, E & Mardikaningish, R., 2021). Moreover, the consumer behaviors must be learnt in the context of the customers' satisfactorily attitude and want to plan to buy and repeating buy pursuant to the online purchase activities. This is due to the online shopping platforms can affected their users' behaviors (Petcharat, T. & Leelasantitham, A, 2021).

Buying decision, according to Kotler and Keller (2012) consists of product carefully choose, selections of the brand and distribution, the time of the buying action, and the method of payment done by the consumers. Moreover, buying decision is not merely influenced by the behavior of the consumers nevertheless there is another factor called as a moderate factor. This moderate factor is called as perceived risk which consists of risks relating to functions, physical matters, finance, social matters, psychological matters and time consideration. Moreover, re-purchase decision depends on perceived usefulness and trust from the consumers (Havidz, HVH et.al., 2021).

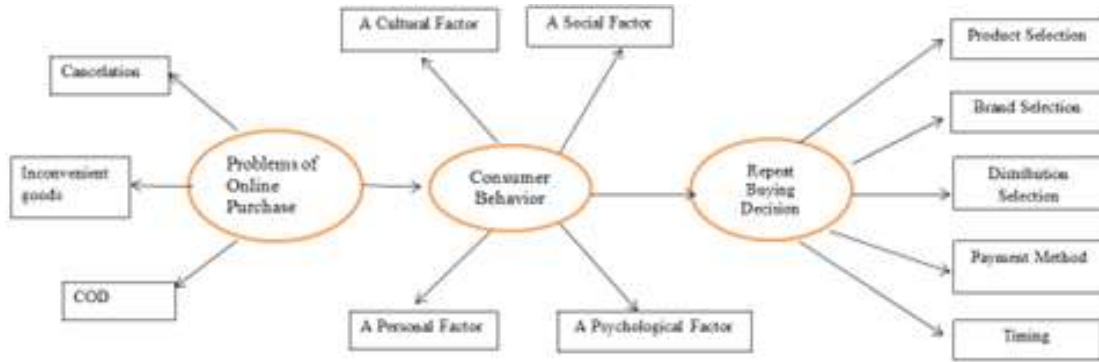


Fig. 2.1 Variable Relationship Model Hypothesis.

Hypothesis of the study is as follows:

First: Relationship between Problems of online purchase and Consumer behavior

H1: Problems of online purchase affects Consumer behavior significantly with its indicators

Second: Relationship between Consumer behavior and Repeat buying decision

H1: Consumer behavior affects Repeat buying decision significantly with its indicators

Considering on the model of variables relationship, the present writer in this study uses quantitative research that employs hypothesis testing and survey method. In order to collect the data the writers employs 100 respondents originating from the consumers that have conducted the online shopping in Bandung by using the purposive technique. The data collection is implemented by distributing the questionnaire. In order to analyze the data, the present writer uses the partial least square structural equation modeling (PLS SEM) with assistance of Smart PLS version 3. The research model is as follows

Methodology

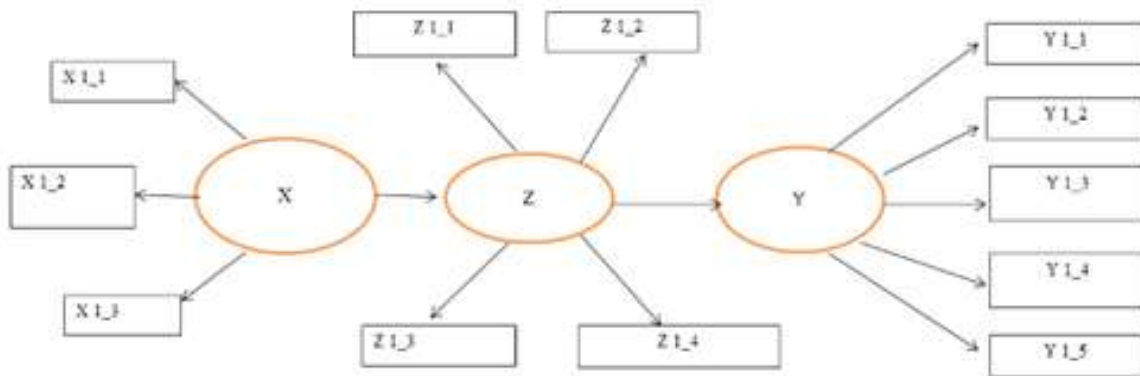


Fig. 3.1 Research Model.

Where:

X: Problems of online purchase; X1_1: Cancellation; X1_2: Inconvenient goods; X1_3: COD

Z: Consumer behavior; Z1_1: Cultural factor; Z1_2: Social factor; Z1_3: Personal factor; Z1_4: Psychological Factor.

Y: decision of repeat purchase; Y1_1: Selection of the products; Y1_2: Selection of the brand; Y1_3: Selection of

the distribution; Y1_4: Payment method; Y1_5: Payment time

Results and Discussion

Research Results

The following is the calculation result of the path coefficient from the observed data:

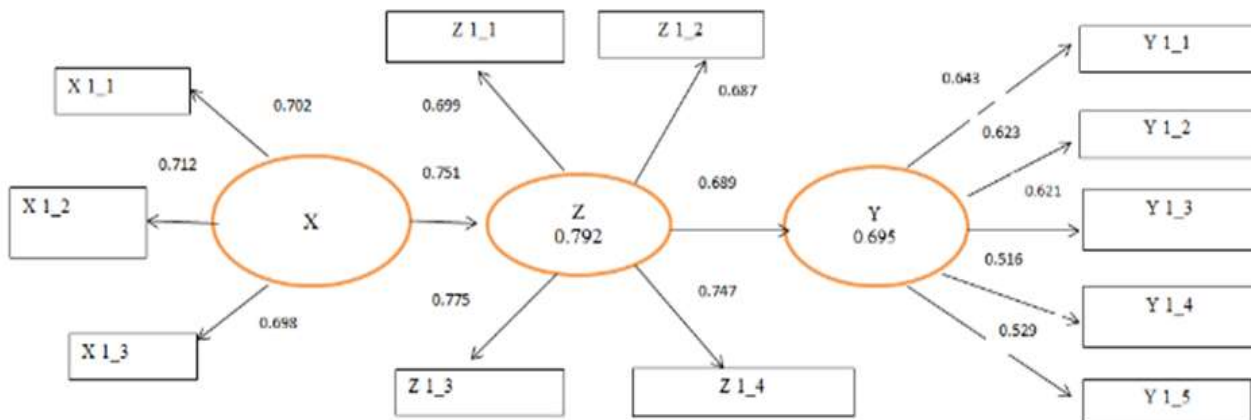


Fig. 4.1 Path Coefficient Values.

Path coefficient from the Online purchase problems variable to the Consumer behavior variable is as much as 0.751. While the path coefficient from the Consumer behavior variable to Repeat buying decision is as much as 0.689.

The First R square value (R²)

The R² value is as much as 0.792 meaning that the percentage of variation of the dependent latent variable of Consumer Behavior accompanied by the indicators can be clarified with the existence of the independent latent variable of Problems of Online Purchase with its indicators. Apart from that the rest of the outside effect is as much as 0.208.

Values of the Path Coefficients

First: the value of the path coefficients from the independent latent variable of Problems of Online Purchase with its indicators to Consumer Behavior with its indicators

The path coefficient value from the exogenous latent variable of Problems of Online Purchase with its indicators to the endogenous variable of Consumer Behavior and the respective indicators is 0.751 meaning that the amount of influence of the exogenous latent variable of Problems of Online Purchase with its indicators on the Consumer

Behavior variable as well as the respective indicators. When a value of the exogenous latent variable of Problems of Online Purchase with its indicators undergoes one unit increase, then the value of endogenous Consumer Behavior variable with its indicators increases as much as 0.751. The hypothesis testing is as follows:

H0: Problems of online purchase does not affect Consumer behavior significantly with its indicators

H1: Problems of online purchase affects Consumer behavior significantly with its indicators

The criteria of hypothesis testing is as follows:

When t_0 (the observed value of t) $>$ $t\alpha$ (critical values); H0 is rejected and H1 is accepted. Otherwise, when t_0 (the observed value of t) $<$ $t\alpha$ (critical values); H0 is accepted and H1 is rejected.

The t_0 value as seen in the figure 4.2 below is 2.951. The table can be calculated with the following provisions: DF is the number of data (n) minus (2) two or $100 - 2 = 98$; with the confidence level as much as 95%; accordingly, the value of error tolerance (σ) is 0.05. Using such provisions, the value of t table is 1.96.

The decision is that t observation (t_0) as much as 2.951 as seen the figure 4.2 below is more than t table ($t\alpha$) as much as 1.96 meaning that we must reject H0 and accept H1. It means that Problems of online purchase affects Consumer behavior significantly with its indicators

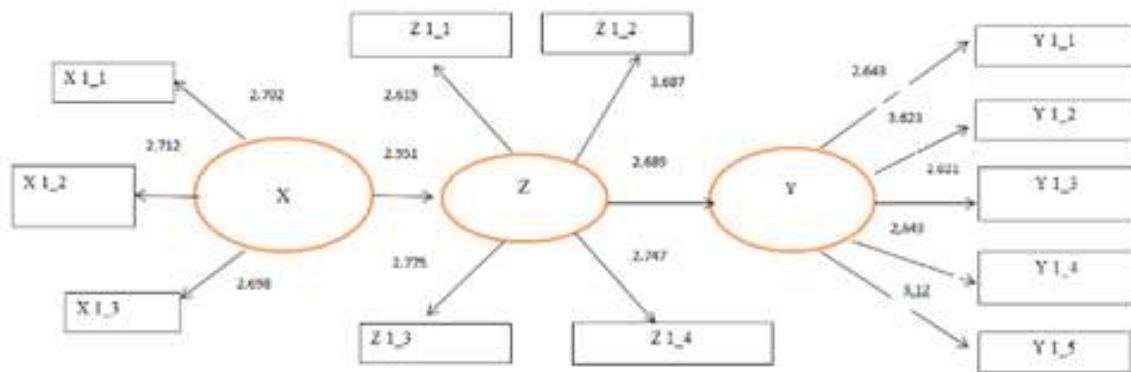


Fig. 4.2 t Values.

The Second R square value (R²)

The second R square value is as much as 0.695 meaning that the percentage of variation of the Repeat Buying Decision variable and the respective indicators can be clarified using the Consumer Behavior variable and the respective indicators. Apart from that the rest of the outside effect is as much as 0.305.

The Value of the Path Coefficient

First: the value of the path coefficient from the exogenous latent variable of Consumer Behavior with its indicators to Repeat Buying Decision with its indicators

The path coefficient value from the exogenous latent variable of Consumer Behavior with its indicators to the endogenous variable of Repeat Buying Decision with its indicators is 0.689. This value means the amount of effect of the exogenous latent variable of Consumer Behavior with its indicators on the endogenous variable of Repeat Buying Decision with its indicators. When the value of the

exogenous latent variable of Consumer Behavior with its indicators undergoes one unit increase, then the value of endogenous variable of Repeat Buying Decision with its indicators increases as much as 0.689. The hypothesis testing is as follows:

H0: Consumer behavior does not affect Repeat Buying Decision significantly with its indicators

H1: Consumer behavior affects Repeat Buying Decision significantly with its indicators

The criteria of hypothesis testing is as follows:

When t observation $>$ t table; reject H0 and accept H1. Otherwise, when t observation $<$ t table; accept H0 and H1 reject

The t observation as seen in the figure 4.2 above is 2.689. The table can be calculated with the following provisions: Degree of Freedom (DF) is $n-2$ or $100 - 2 = 98$; with the confidence level as much as 95%; accordingly, the value of error tolerance (σ) is 0.05. Using such provisions, the value of t table is 1.96.

The decision is that t observation (t_0) as much as 2.689 as

seen the figure 4.2 above is more than t table (t_{α}) as much as 1.96 meaning that the H_0 is rejected and H_1 is accepted. It means that Consumer behavior affects Repeat Buying Decision significantly with its indicators

The Indicators’ Effect of the Problems of Online Purchase on Consumer Behavior

The indicators’ effect of the problems of online purchase on consumer behavior are as follows: First, the effect of the cancelation on consumer behavior is $0.702 \times 0.751 = 0.527$ meaning that the effect is moderate. Second, the effect of the inconvenient goods on consumer behavior is $0.712 \times 0.751 = 0.535$ meaning that the effect is moderate. Third, the effect of the COD problems on consumer behavior is $0.698 \times 0.751 = 0.524$ meaning that the effect is moderate. In this case the trust of the consumers towards the online shops is important due to the inconvenience of the consumers in making the online purchase. This has been proved before by the study showing that easiness and trust of the e-commerce platforms (Badir, A & Andjarwati, A.L, 2020).

The Effect of Problems of Online Purchase on the Indicators of the Consumer Behavior

The effect of the consumer behavior on the indicators of the buying decision is as follows: First, the effect of the problems of online purchase on cultural factor is $0.751 \times 0.699 = 0.525$ meaning that the effect is moderate. Second, the effect of the problems of online purchase on social factor is $0.751 \times 0.687 = 0.516$ meaning that the effect is moderate. Third, the effect of the problems of online purchase on personal factor is $0.751 \times 0.747 = 0.561$ meaning that the effect is moderate. Fourth, the effect of the consumer behavior on psychological factor is $0.751 \times 0.755 = 0.567$ meaning that the effect is moderate.

The Indicators’ Effect of the Consumer Behavior on Repeat Buying Decision

The indicators’ effect of the consumer behavior on repeat buying decision are as follows: First, the effect of the cultural factor on repeat buying decision is $0.699 \times 0.689 = 0.482$ meaning that the effect is low. Second, the effect of the social factor on repeat buying decision is $0.687 \times 0.689 = 0.473$ meaning that the effect is low. Third, the effect of the personal factor on repeat buying decision is $0.755 \times 0.689 = 0.520$ meaning that the effect is moderate. Fourth, the effect of the psychological factor on repeat buying decision is $0.747 \times 0.689 = 0.515$ meaning that the effect is moderate.

The Effect of the Consumer Behavior on Repeat Buying Decision Indicators

The effect of the consumer behavior on the indicators of the repeat buying decision is as follows: First, the effect of the consumer behavior on product selection is $0.689 \times 0.643 = 0.443$ meaning that the effect is low. Second, the effect of the consumer behavior on brand selection is $0.689 \times 0.623 = 0.429$ meaning that the effect is low. Third, the effect of the consumer behavior on distribution selection is $0.689 \times 0.621 = 0.428$ meaning that the effect is low. Fourth, the effect of the consumer behavior on buying time is $0.689 \times 0.516 = 0.356$ meaning that the effect is low. Fifth, the effect of the consumer behavior on payment method is $0.689 \times 0.529 = 0.364$ meaning that the effect is low.

Problems of the online purchase affects the repeat buying decision through the consumer behavior as much as 0.751 times 0.698 which is equal as much as 0.517 meaning that the effect of the problems of the online purchase on the repeat buying decision falls into moderate effect.

Fitness of the Model

Fitness of the model under study will be assessed using the construct and discriminant reliability and validity values.

Reliability and Validity of the Latent Variables of Online Purchase Transaction, Consumer Behavior, and Buying Decision

As we know that the validity and reliability values refer to how much the construct (latent variable) of the X_1 exogenous variable and the X_2 intervening variable and the Y endogenous variable underlie their respective indicators. For the validity, we will use the Rho_A ’s values with the minimum value as much as 0.5 while for the reliability, we will use the Cronbach’s alpha values with minimum value is as much as 0.7 (Sarwono, Jonathan., 2018). The following is the result of the Construct Reliability and Validity

Table 4.1 Construct Reliability and Validity.

Construct	Cronbach’s Alpha	Rho_A
X	0.891	0.832
Z	0.862	0.853
Y	0.827	0.815

First, the latent variable of Problems of online purchase transaction (X) is valid because the value of Rho_A as much as 0.832 which is more than 0.5. It is also reliable because the value of Cronbach’s alpha as much as 0.891 is more than 0.6. Second, the latent variable of Consumer behavior (Z) is valid because the value of Rho_A as much as 0.853 which is more than 0.5. It is also reliable because the value of Cronbach’s alpha as much as 0.862 is more than 0.6. Third, the latent variable of Repeat Buying Decision (Y) is valid because the value of Rho_A as much as 0.815 which is more than 0.5. It is also reliable because the value of Cronbach’s alpha as much as 0.827 is more than 0.6.

Discriminant Validity of the Indicators of Problems of Online Purchase, Consumer Behavior and Buying Decision

Discriminant validity refers to how much the indicators reflect their latent respective variables. The following table is the result of the discriminant validity.

Table 4.2 Discriminant Validity.

	Fornell-Larcker
X1	0.768
X2	0.851
Y	0.724

First, the Fornell – Larcker’s value of X as much as 0.768 is more than 0.5. Second, the Fornell – Larcker’s value of Z as much as 0.851 is more than 0.5. Third, the Fornell – Larcker’s value of Y as much as 0.724 is more than 0.5. In conclusion, all indicators of the three latent variables of problems of online purchase, consumer behavior, and repeat buying decision are valid because the Fornell –

Larcker's values are more than 0.5 meaning that they have reflected their respective latent variables correctly.

Discussion

Based on the descriptive result above, it can be explained as follows: First, indicators' effect of the problems of online purchase on consumer behavior falls is moderate. Second, the effect of the consumer behavior on the indicators of the buying decision is moderate. Third, the indicators' effect of the consumer behavior on repeat buying decision ranges from low to moderate effect. Fourth, the effect of the consumer behavior on the indicators of the repeat buying decision is low. The some of the determinant factors of buying decision are payment method, buying time, product selection and brand selection which imply the customers' online buying platforms. That is why convenience, control, technology and ease of information affect the customers' buying intention and decision (Panse, C., et al., 2019).

Problems of online purchase affects Consumer behavior significantly with its indicators. This means that when consumers find difficulties in buying a certain product, they then conduct an online purchase. The shifting of this behavior from the conventional buying behavior into the online one can encounter a new problem. One of the serious problems is that the product that they buy many times are not the same as what they expected. As it is said by Milenia, N (2021) that sometimes products that have been bought can be faulty, broken, imitative, and is not the same as the sellers exposed. This opinion is strengthened by the research findings stating that there some problems that will emerge on e-commerce transaction, namely 1) the goods that the consumers receive are not the same as what they have ordered previously; 2) there is potentiality that the customers do not accept the products that they have ordered and payed; 3) there is false promotion in order to tantalize the consumers to buy; 4) there is leak of the consumers' account to hacked (Kurnia, I & Martinelli, M, 2021). Moreover, in e-commerce the digital brand under the content marketing affects the online consumer behavior meaning that the online purchase indirectly affects the online consumer behavior (Plessis, C.D, 2022).

Consumer behavior affects significantly the Repeat buying decision. Consumer behavior in buying decision implies that the consumers' perceived values towards the online shops will cause the consumers to conduct the repeated buying transaction. This has been proved in the study done by Zhang, N., et al., (2021) proving that repeat buying decision are caused by the online review of the consumers on the online entity in which the online purchase activity will be carried out. Furthermore,

Problems of the online purchase affects the repeat buying decision through the consumer behavior. Meaning that problems encountered by the consumers during the online purchase transaction changes the consumer behavior in which it finally affects the repeat buying decision (Havidz, HVH et al., 2021). One of the most important of matters that the consumer will buy only is the existence of the trusted web site that represents the seller existence online. Accordingly, the trust that the consumer will never obtain the problems during the online transaction is determinant whether or not they will repeat to conduct the online buying activities (Sfenrianto et al., 2018). Another study about quality of online shopping logistics services on

customer satisfaction and in driving subsequent repeat purchasing behavior reports that logistics service quality, and primarily the quality of delivery, has a statistically significant impact on customer satisfaction, which, then, affects significantly on repeat purchasing behavior (Choi, D., et al., 2019).

Conclusion

Based on the discussion above, the present writer makes the following conclusions: First, indicators' effect of the problems of online purchase on consumer behavior falls is moderate. Second, the effect of the consumer behavior on the indicators of the buying decision is moderate. Third, the indicators' effect of the consumer behavior on repeat buying decision ranges from low to moderate effect. Fourth, the effect of the consumer behavior on the indicators of the repeat buying decision is low. Sixth, Problems of online purchase affects Consumer behavior significantly with its indicators. Seventh, Consumer behavior affects significantly the Repeat buying decision. Eight, problems of the online purchase affect the repeat buying decision through the consumer behavior.

References

1. Badir, A & Andjarwati, A.L, 2020. The effect of e_WOM, ease of use, and trust on purchase decision. (Study on Tokopedia application). Journal Minds: Management of Idea and Inspiration. Volume 7. Number 1
2. Business.com, 2021
3. Choi, D., et al., 2019. Sustainable Online Shopping Logistics for Customer Satisfaction and Repeat Purchasing Behavior: Evidence from China. MPDI. Sustainability.
4. Sunitha, C.K & Gnanadhas, M.E, 2018. Problems towards online shopping.
5. International Journal of Emerging Technologies in Engineering Research (IJETER). Vol 6 Issue 1
6. Havidz, HVH et al., 2021. Model of consumer trust on travel agent online: analysis of perceived usefulness and security on repurchase Interstest. (A Case Study on Tiket.com). DIJEFA. Volume 1. Issue 1
7. Kotler and Keller. 2012 *Marketing Management*. New Jersey: Prentice Hall
8. Kompas.com. 2021
9. Kurnia, I & Martinelli, M, 2021. Problems in E_Commerce Transaction. Journal of Community Service. Volume 4. Number 2
10. Petcharat, T. & Leelansantitham, A, 2021. A retentive consumer behavior assessment model of the online purchase decision-making process. Helyon 7. CelPress.
11. Milenia, N. 2021. Online shops: positive and negative views. Tafmedia.
12. Media Indonesia newspaper
13. Panse, C., et al., 2019. Understanding consumer behavior towards utilization of online food delivery platforms. Journal of theoretical and applied information technology. Vol 97 No. 6.
14. Plessis, C.D, 2022. A scoping review of the effect of content marketing on online consumer behavior. Sage Open. April_June 2022
15. Retnowati, E & Mardikaningish, R., 2021. Study online shopping interest based on consumer trust and

- shopping experience. Journal of Marketing and Management Research.
16. Salim, M. et.al., 2019. Indonesian millenials online shopping behavior. International Review of Management and Marketing.
 17. Simanjutak, M., 2019. Generation Y's complaint behavior toward online shopping. Independent Journal of Management & Production. Volume 1. Number 10/
 18. Sarwono, Jonathan. 2018. *PLS SEM in Research Data Analysis Application*. Washington: Amazon.com
 19. Sfenrianto, et.al. 2018. The use of quality, security, and trust factors to improve the online purchase decision. Journal of Theoretical and Applied Information Technology, 96(5)
 20. Teofilus, T., et.al, 2020. A study of Indonesian online marketplace: information processing theory paradigm. Journal of Distribution Science.
 21. Wikipedia.org
 22. Zhang, N., et.al., 2021. The impact of consumer perceived value on repeat purchase intention based on online reviews: by the method of text mining. Data Science and Management 3. Science Direct.