

1 The Impact of Social Influence, Self-Efficacy, Perceived 2 Enjoyment, and Individual Mobility on Attitude toward use and 3 Intention to use Mobile Payment of OVO

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8 Abstract

9 This study aims to determine the effect of social influence, self-efficacy, perceived enjoyment,
10 and individual mobility on attitude toward the use, as well as the effect of perceived
11 enjoyment and individual mobility on the intention to use, and the effect of attitude toward
12 use on the intention to use. This type of research uses quantitative research. Data were
13 collected from 125 OVO application users in Indonesia who met the criteria determined by the
14 researcher. Data were collected by a questionnaire distributed online and Analyzed using
15 Structural Equation Modeling (SEM) with Amos software. The Results Showed that attitude
16 toward OVO was influenced by self-efficacy and individual mobility but not influenced by
17 social influences and perceived enjoyment. Furthermore, the intention of OVO users is
18 influenced by perceived enjoyment, individual mobility, and attitude. Reviews These findings
19 suggest that future research is expected to increase the number of respondents or narrow the
20 area used as an object of research so that the results Obtained are expected to be better.

Index terms— social influence; self-efficacy; perceived enjoyment; individual mobility; attitude toward use; and intention to use.

24 1 Background

25 The emergence of mobile payment trends (MP) would have an impact on the lifestyle patterns of today's society.
26 Lifestyle changes are clearly visible, especially on those who make transactions. Before any MP, any people still
27 do activities or outlet shopping in the store with cash, but at the moment the transaction is done faster and
28 easier. The speed and ease of transaction are supported by an electronic device such as a smartphone and can
29 be done anywhere and anytime.

30 The early growth of MP in Indonesia began in 2007. Starting with the banking sector which launched its
31 products in the form of MP. And then developed at several providers in Indonesia created their own MPbased
32 servers. MP includes such TCash Telkomsel, Indosat with Dompetku, then XL Axiata XL Cash released. Not
33 until there are some companies create MP applications such as the one that enliven OVO cashless payment in
34 Indonesia.

35 OVO is one type of MP produced by the Lippo Group in 2016. OVO as financial applications provides ease
36 of transactions and payments are also focusing on the collection of loyalty points or rewards. Every user that
37 the transaction will earn points, these points can be used as a means of payment throughout the OVO merchant
38 partners. Currently, the belle MP OVO latest offers various facilities with various merchant partners that exist
39 in various shopping centers. Occurrences OVO amid rampant MP products more competitive in the world add
40 digital payment (Eka, 2016), MP allows users to make payment transactions anytime, anywhere with the help
41 of the network and the mobile terminal(Yu, Cao, Liu, Gong, and Adeel, 2018), OVO product as one of the MP
42 that attracts attention amid rampant MP other similar applications among the community. Using OVO provides

7 D) PERCEIVED ENJOYMENT

43 convenience in a variety of payment transactions. For example, some big malls in Jakarta vehicle parking payment
44 can be done through OVO. This payment system helps save lead time payments given the high mobility of urban
45 vehicle movements such as Jakarta.

46 Consumers will use technology if they find it useful (Matemba & Li, 2018), In addition to the benefits there
47 are several factors that encourage consumers to use MP systems to cover some of them such as usefulness,
48 simplicity, security, and trust of the payment system. When a person has a high perception of security in MP
49 MP then tend to trust the(Fan, Shao Li, and Xuemei, 2018), Furthermore, MP system allows users to take
50 advantage of promotional offers are available for example discounts and coupons (Dinh, Nguyen, and Nguyen,
51 2018), Occurrences MP with various forms into areas of research interest for researchers. MP makes their payment
52 transactions or purchases is easier to do without the need to physically transfer money in the bank with all forms of
53 the requirements in the process that tends to dull. This resulted in consumers becoming MP considers alternative
54 services easier and faster than traditional payment modes (Yadav, 2016), Based on the description above, the
55 writer behind to test whether there is an influence of social influence, self-efficacy, perceived enjoyment, and
56 individual mobility in attitude, and examine the effect of perceived enjoyment and individual mobility on user
57 intent.

58 2 II.

59 3 Literature Review a) Mobile Payment

60 Mobile payment also called mobile money, mobile money transfer, and mobile wallet or in I ndonesian called
61 mobile payment/mobile payment.

62 Based on Wikipedia, MP is the payment of goods or services performed using mobile devices such as mobile
63 phones. Another notion MP is payment for goods or services using a mobile device that has the ability
64 of Near Field Communication. Mobile phone/smartphone utilizing wireless technologies such as NFC (Near
65 Field Communication) or the currently connected to the Internet or the nearest to facilitate access WiFi MP
66 (McKitterick & Dowling, 2003).

67 MP is a strategic opportunity for the bank to convert cash into electronic transactions. This payment service
68 is run by the network operator in cooperation with banks such as Bank of BRI and Trash. Then fintech company
69 collaborated with the bank as well as the cooperation by Bank Mandiri and OVO(SWIFT, 2012),

70 4 b) Technology Acceptance Model (TAM)

71 Technology Acceptance Model(TAM) is the initial model used to predict the use and acceptance of information
72 technology developed by Davis in 1986. TAM describes the proportion of about 40% in the intentions and
73 behavior of users who prove that TAM is better than the alternative models such as the Theory of Reasoned
74 Action (TRA) and the Theory of Planned Behavior (TPB) (Venkatesh & ??avis, 2000). The TAM model offers a
75 foundation for studying and understanding the behavior of users to receive and use the technology. The expansion
76 of the concept of TAM help predicts the necessary basic information about the factors that drive attitudes and
77 intentions of individuals.

78 5 Social influence

79 Social influence is a group of people or organizations that can affect a person's behavior (Setiadi, 2013). Social
80 influence is perceived by consumer's encouragement from the people around him to use something new like an
81 electronic payment system in the transaction. What is meant by the people around are people who have a
82 relationship with the consumer and being around him like family, friends, couples, and organizations (Junadi &
83 Sfenrianto, 2015).

84 6 c) Self-Efficacy

85 Bandura (1986) self-efficacy, the belief a person's ability to succeed in doing, and produce something. Self-efficacy
86 is associated with self-confidence has the ability to perform the desired action. In Shin (2009) self-efficacy is an
87 individual assessment of his ability to perform the desired behavior in certain situations. In a situation, the
88 cashless payment system is considered as a complex technology where users vote on their ability to affect the
89 acceptability of their use of the payment system (Ozturk, 2016).

90 7 d) Perceived Enjoyment

91 Perceived enjoyment namely the extent to which the activity using a computer is considered fun/exciting
92 personally regardless of the consequences will be the performance of the computer system. Perceived enjoyment
93 as a form of intrinsic motivation technology (Davis, Bagozzi, & Warshaw, 1992). Perceived enjoyment refers to
94 the extent of activity, interaction, process or experience of using innovative technology is considered a delight in
95 itself (Koenig-Lewis, Marquet, Palmer, & Zhao, 2015), Vankatesh ??2000) suggested that the effect of perceived
96 enjoyment will be stronger because of many unpleasant experiences gained from system users at a time.

97 8 e) Individual Mobility

98 The main thing is the existence of MP which can be accessed anytime and anywhere. Existence into a solution of
99 traditional payments and can be used virtually (Dahlberg et al, 2003). It is very helpful for consumers with a high
100 level of mobility. The level of individual mobility may influence consumers to use application MP (Kurniawati,
101 2017). Individual mobility is the extent to which individuals seek mobile lifestyles using the MP to meet their
102 needs that can be used anytime and anywhere (Schierz et al, 2010).

103 9 f) Attitude Toward Use

104 Attitude is defined as the evaluation, user evaluation of the desire to use a particular system (Kurniawati, 2017).
105 Suprapti (2010) defines attitude as an expression of one's feelings would be an object that reflects the fondness
106 or dislike of the object. Positive and negative feelings that arise from the evaluation of a system of payment is
107 determined by their confidence in using the system (Shin, 2009). Evaluation can be derived from the experience,
108 knowledge, and consumer opinions formed during the interaction with the payment system.

109 10 g) Intention to Use

110 A tendency intention of the user to use a given technology, the level of use of a person's computer technology
111 can be predicted from the attitude of his attention to the technology as the desire to add peripherals support,
112 motivation to continue to use as well as a desire to motivate other users (Davis, 1989). According to Anggraeni
113 (2015) is the tendency of behavior intention to use technology. Intention to use generally increases when there
114 are perceptions and a positive attitude toward the product.

115 11 h) Research Model and Hypotheses

116 The social influence shows that individual behavior is influenced by how to trust others as a result of the use
117 of services MP ??Gosal & Linawati, 2018). So people believed to be an incentive for them to comply with
118 the options or suggestions offered. Social influence is used as considerations regarding the use of a technology
119 (Koenig-Lewis et al, 2015). Therefore: H1: social influence affects the attitudes of the users.

120 Users with high self-efficacy allow for easy use of cashless payment systems (Ozturk, 2016), Users who are
121 familiar with the payment system does not find any difficulty in using mobile payments. Thus, the higher self-
122 efficacy a person has, the more likely to achieve the desired results. Therefore, in this study links between
123 self-efficacy with user attitude. H2: self-efficacy, the effect on the attitudes of the users.

124 In a study conducted by (Al-Gahtani & King, 1999) found that perceived enjoyment is not found to be
125 significant on attitudes. Inversely proportional to the results of research (Praveena & Thomas, 2014) which
126 found that perceived enjoyment has a positive influence on the attitude to the intention of use have different
127 results related to perceived enjoyment that is found to be insignificant. Therefore: H3: Perceived enjoyment
128 effect on the attitudes of the users. H4: Perceived enjoyment effect on user intent.

129 In this time period, MP becomes a mobile lifestyle is suitable, such services provide the means to buy and pay
130 for goods or services in almost every situation. The findings in previous research show that there is a significant
131 relationship between individual mobility with the perceived attitude and intention to use (Schierz et al, 2010).
132 Therefore: H4: The effect on the attitude of individual mobility of users. H5: individual mobility effect on user
133 intent.

134 The evaluation results in the form of likes/dislikes, good/bad, or feeling the positive/negative determining
135 attitudes toward sustainability intention. From the findings of previous studies have confirmed the relationship
136 attitudes and intentions (Shin, 2009; Schierz 2010; Diani, 2017). H7: user attitudes affect the intent of the user.

137 12 Research Methods

138 This study classified quantitative research with a survey method using an online questionnaire and score
139 predetermined criteria to test the research model and hypothesis (Ferdinand, 2014). The population in this
140 study are all consumers using OVO applications in Indonesia. Then from the population will be taken partly or
141 represented to be sampled. The sample was selected according to the criteria set by the researchers.

142 Given the number of population unknown, then the technique of determining the number of samples according
143 to (Ferdinand, 2014) that is greater than 30 and less than 500 respondents, this number has to be said adequate
144 or sufficient. The number of samples used in this study was 125 respondents. The amount is selected to be able
145 to do the testing SEM sample of the minimum number is 100 or more (Hair, Black, Babin, & Anderson, 2010).
146 Sampling technique using Non-Probability Sampling with this type of sampling purposive sampling. Purposive
147 sampling is used to identify the respondent based on the criteria that have been determined by researchers. Those
148 criteria are: OVO users aged 18-34, and actively using the OVO during the last six months.

149 The data analysis technique used in this research is descriptive analysis and measurement and structural
150 models. Data were analyzed using Structural Equation Modeling(SEM) that is processed with statistical
151 applications AMOS 24. To assess the overall research model, assuming Goodness of fit is used.

153 13 Results and Discussion

154 Analysis of the respondents in this study to determine the characteristics and profile of respondents. Identification
155 is based on several criteria: gender, age, education, and employment. Then as a statement that the respondent
156 active filtering using OVO applications during the last six months.

157 From the overall results, it can be stated that there were 125 completed questionnaires and qualify the test.
158 The descriptive analysis in Table 3.1 shows that 76 male respondents (61 percent) and 49 female respondents
159 (39 percent). There are respondents aged between 18-23 years were 40 people (32 percent) and respondents aged
160 24-34 years amounted to 85 (68%). Of the 125 respondents, 31 respondents (25 percent) status as a student, 42
161 respondents (34 percent) as private employees, 8 respondents (6 percent) as Servant, 21 respondents (17 percent)
162 as the selfemployed, and 23 respondents (18 percent) have other professions. Based on descriptive analysis,
163 the majority of MP OVO users are males between the ages of 24 to 34 years with the job's status as private
164 employees, the average has been used in the last six months. The feasibility research model is seen from the
165 structural model suitability index. Value of goodness of fit our model as follows: The goodness of Fit used to
166 evaluate the structural model fit, 3:15 According to the table, it appears that most of the indices showed good
167 results and meet the suitability index value models. GOF of the seven criteria, five of which shows that the
168 research model has to meet the assumptions goodness of fit. Therefore, the research may be continued in the
169 subsequent analysis.

170 After knowing the results of the suitability of the model, the next is to interpret the results by track analysis.
171 A causal relationship between the structure seen from the probability and critical value ratios to determine the
172 level of significance of any structural relationship. Results of structural testing of hypotheses proposed in table
173 3.16 are two hypotheses of which showed no significant results and five other hypothesis showed significant gains.
174 The results of the study support the proposed model. The results showed that self-efficacy ($cr = 7.484$) and
175 individual mobility ($cr = 1.988$) in the attitudes of users supported by the data, as shown critical value resulting
176 ratio is greater than the value of the requirement is 1.96, H2 and H4 accepted.

177 Overall structural relationship and the path coefficients on the research model can be seen in the image below:
178 In the coefficient lane, social influences and perceived enjoyment found to have a significant impact on the attitude
179 of the users. This is interesting because previous studies show that social influence has an influence on attitudes
180 in terms of MP (Kulviwat et al, 2009; ??chierz et al, 2010). However, the results of this study support previous
181 studies that social influence has no influence on the attitudes of users (Aydin & Burnaz, 2016; Muk & Chung,
182 2014; Hadikusuma & Joalis, 2019). This may be due to the advice of those around him had no influence on their
183 decision to use OVO or maybe those around the consumer does not use a mobile application payment of OVO.
184 Later findings regarding perceived enjoyment and attitude contradict the (Al-Gahtani & King, 1999) found that
185 attitudes have an influence on the perceived enjoyment. Perceived enjoyment of this result is not a determining
186 factor in the attitude of the user in using MP OVO.

187 The study found that self-efficacy has an influence on the attitude of the users. When consumers feel they
188 have high ability, they can change their attitude (Mohammadi, 2015). When a user with a level of selfefficacy
189 tend to feel satisfied with the behavior they felt able to do. As in MP OVO afford users with easy to use and
190 less likely to feel satisfied that can lead to a positive attitude.

191 In individual mobility as expected in this study found that the results are consistent with findings Schierz et
192 al (2010), that individual mobility has a significant influence on the attitude of the users. Individual mobility is
193 decisive for measuring the degree to which the user receives and feels the benefits received in the context of the
194 time, space, and access to services (Liu et al, 2016). Availability MP OVO provides a good effect for the user
195 with a high level of mobility.

196 The study's findings indirectly support previous research related to perceived enjoyment that affects the
197 intentions of the user (Heenrik et al, 2008; Park et al, 2014; Alalwan, 2018). Vankatesh ??2000) suggests that
198 the effect of perceived enjoyment by the user will be stronger because users gain more experience with the system
199 from time to time. The more often users use a system, in this case, the MP OVO perceived experience will enjoy
200 becoming a stronger system that determines user intent. Neither the individual mobility and user attitude, H4
201 accepted. Besides, it was found that social influence ($cr = 0.716$) and perceived enjoyment ($cr = 1.914$) on the
202 attitude is not supported by the data, H1 and H3 rejected. Next on the intentions of the user affected by the
203 perceived enjoyment ($cr = 2.160$) and individual mobility ($cr = 2.364$), H5 and H6 accepted. Furthermore, the
204 relationship attitudes and intentions showed a significant effect ($cr = 4.710$), H7 accepted.

205 Findings on individual mobility and the intentions of the user which can be found that has a significant effect.
206 These findings are consistent with other research findings that found the same thing (Schierz 2010; Surachman,
207 2013; Luna, Montoro-Ríos, Liébana-Cabanillas, & Luna, 2017). MP Service was spot on and match the mobile
208 lifestyle, the average MP provides payment products and services in a variety of situations (Liu, 2016). In this
209 study, it was found that OVO users save time and energy without much effort to do a traditional transaction.
210 Therefore, amid solid activity using only the OVO applications they can conduct payments and purchases.

211 These findings support previous findings of the attitudes and intentions of the user. The present study found a
212 significant influence on attitudes toward intention (Kulviwat, 2009; ??hin, 2009; ??chierz et al, 2010, Mohammadi,
213 2014; Muk, 2014; Mohammadi, 2015; ??iebana et al, 2017, Hadikusuma, 2019). This study found a positive feeling
214 that is reflected from the user OVO transaction process both purchase and payment is very easy, the choice of

215 features that are extremely helpful and beneficial contained in the application OVO. These things make the user
216 has an interest and a desire to continue using the mobile payment application OVO onwards.
217 V.

218 **14 Conclusion**

219 Based on the results of this study concluded that social influence and perceived enjoyment has no significant
220 influence on the attitude of OVO. People nearby OVO users have no influence on their decision to use the mobile
221 payment application OVO. Perceived enjoyment in this study can not be found as the determinants of users
222 using MP OVO. Self-efficacy and individual mobility have a significant influence on the attitude of OVO. Users
223 with high self-efficacy tend to directly use the MP to easily and quickly because their confidence level in the high
224 ability does not see MP OVO as difficult to use. The high mobility makes users assisted in activities that bring
225 positive feelings as a determinant of attitudes towards mobile payment OVO. Perceived enjoyment and individual
226 mobility have a significant influence on OVO user intent. Perceived enjoyment for users the experience of using a
227 trigger payment OVO OVO user intentions for the future. OVO presence helps the user with a high mobility rate
228 trigger the intentions of the user to continue using the mobile payment OVO. User attitudes have a significant
229 influence on OVO user intent. The attitude reflected positive feelings OVO users with an interest and a desire to
230 continue using the mobile payment OVO. Perceived enjoyment and individual mobility have a significant influence
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241 and a desire to continue using the mobile payment OVO. User attitudes have a significant influence on OVO user
242 intent. The attitude reflected positive feelings OVO users with an interest and a desire to continue using the
243 mobile payment OVO.

244 **15 VI.**

245 **16 Implications**

246 The results of this study contain implications for researchers in terms of mobile payment. That attitude toward
247 use is influenced by self-efficacy and individual mobility, but it is not influenced by social influence and perceived
248 enjoyment. In the individual intentions of users affected by mobility and perceived enjoyment.

249 Existing managerial impact in this research is that consumers can use social media as a means of where
250 to obtain more information about OVO applications. The use of OVO is fairly easy to use can increase the
251 confidence of consumers able to use the application MP. OVO company can add features that are more fun
252 to add to the fun/pleasure users in the transaction that is considered appropriate to current developments.
253 Companies can make an influencer such as an artist, telegram, or YouTuber as ambassador to promote mobile
254 payment application OVO future. Companies can bring content such as event prizes that can attract consumers
255 to use OVO.

256 **17 VII.**

257 **18 Limitations and Suggestions**

258 The limitations of this study lies in the number of respondents and the coverage area of research. However,
259 further research is needed to obtain more comprehensive results using different research methods. Suggestions
260 for future research are: first, to increase the number of respondents or can narrow the area that serves as the
261 object of study so that the results expected better. Second, use a different mode with this research is a qualitative
262 method so that the reasons which affect several significant variables are not known.

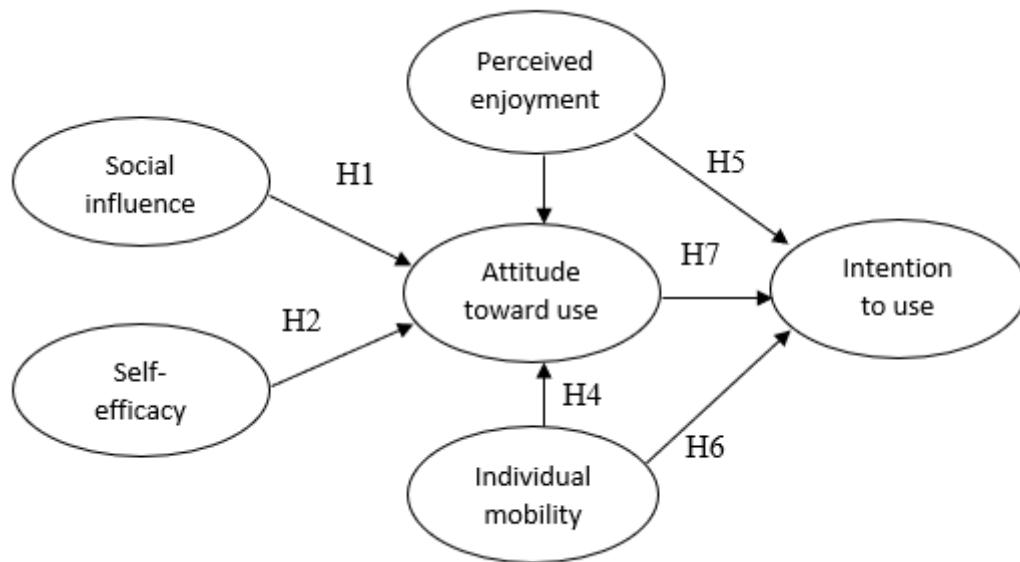
263 Third, social influence does not have an influence on the attitude of the users. Advice from important people
264 around respondents may not be the reason for respondents to determine their attitude to use mobile payment
265 OVO and maybe people around him did not use OVO.

266 The discussion of this study did not assess the social impact of whether users' OVO affects a person's decision
267 to use OVO. It is therefore recommended next study examines the link between the influence of the OVO users
268 with the decisions of others to use OVO. Fourth, the results of testing the structural model show that perceived
269 enjoyment has no influence on the attitude of the users. This shows that the entertainment aspect in OVO less
270 influence user attitude. Related respondents on these variables on each indicator represent the average value is
271 included in the high category, in the sense that the respondents perceived enjoyment in using OVO somewhat

272 higher in other words, respondents feel happy using OVO. But not found an influence on respondents' attitude
 273 determination, therefore further research can perform backtests related to it and add other variables.

274 **19 Global Journal of Management and Business Research**

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1

Figure 1: Figure 1 :

1

| Variables | Category | Frequency | Percentage |
|------------|----------------------|-----------|------------|
| Gender | Male | 76 | 61% |
| | woman | 49 | 39% |
| Age | 18-23 years | 40 | 32% |
| | 24-34 years | 85 | 68% |
| Education | High School | 21 | 17% |
| | S1 | 83 | 66% |
| | S2 | 17 | 14% |
| | S3 | 4 | 3% |
| Occupation | College student | 31 | 25% |
| | Private employees | 42 | 34% |
| | Government employees | 8 | 6% |
| | entrepreneur | 21 | 17% |
| | more | 23 | 18% |

Figure 2: Table 1 :

275

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2

| Criteria | GOF Value | Information |
|------------|---------------|-------------|
| CMIN / DF | 1.166 | Well |
| Chi-square | 199.461 | Well |
| | Prob. = 0,067 | |
| GFI | 0.856 | marginal |
| AGFI | 0,806 | marginal |
| RMSEA | 0,039 | Well |
| CFI | .978 | Well |
| TLI | .973 | Well |

Figure 3: Table 2 :

3

Year 2019

4

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| Global Journal of Management and Business Research | Variables | Estimate | CR | Probability | Information |
|--|-----------|----------|-------|-------------|-----------------|
| | AU <—SI | 0,100 | .716 | 0.474 | Not significant |
| | AU <—SE | .870 | 7.484 | 0,000 | Significant |
| | AU <—PE | .590 | 1,914 | 0.056 | Not significant |
| | AU <—IM | .720 | 1,988 | 0,047 | Significant |
| | IU <—PE | 0,641 | 2,160 | 0,031 | Significant |
| | IU <—IM | .690 | 2,364 | 0,018 | Significant |
| | IU <—AU | .930 | 4.710 | 0,000 | Significant |

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1

Figure 4: Table 3 :

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