FACTORS INFLUENCING THE CONSUMER’S DECISION USING FINANCIAL TECHNOLOGY: CASE STUDY IN JAKARTA

(Faktor-faktor yang Memengaruhi Keputusan Konsumen Menggunakan Fintech: Studi Kasus di Jakarta)

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Abstract
Economic evolution started with the first wave of the industrial revolution. Economic evolution brought about changes in the economy. One of these effects is the advancement of technology, which has increased the use of Financial Technology (Fintech) in Indonesia. Fintech usage has risen in Indonesia, particularly in Jakarta. The study’s goal is to look at the elements that influence people’s decision to keep using fintech services. The study used non-probability sampling methods to obtain data from fintech users in Jakarta aged 17 to 35 years old over the research period of March to May 2020. The data was analyzed by using Structural Equation Model (SEM) with the AMOS software program. This study found that competitive pressures in technology services and the ease of digital technology offer consumers a wide range of options. Customers easily switch to other technology services at a reasonably affordable price. The study also found that variable consumer perceptions of benefits and trust variables in fintech services influence consumer attitudes. However, these two variables have no direct effect on the desire to continue using fintech services. Variable risk perception does not affect the attitude and desire of consumers to continue using fintech services. Variable attitudes affect the desire to continue using fintech services. The study results showed that increasing the penetration of fintech and continue consumers to continue to use fintech. It is necessary to improve risk perception to fintech used by consumers.

Keywords: fintech, benefit and risk perception, Structural Equation Model

INTRODUCTION
Change and development are inevitable phenomena experienced by all countries of the world. The change in economic orientation is a definite and negotiable one in line with the development of an economy. Every individual can see how technology has constructed almost all economic developments in nearly all countries. The industrial revolution marked a significant turning point in the economic development of nations. New tools were developed through technological advancement, which significantly improved productivity and living standards. Furthermore, several technical pioneers and early adapters moved ahead of the rest of the world during the nineteenth century, while others lagged (Lin & Rosenblatt, 2012).
Like any country globally, Indonesia has also experienced progressive economic developments. The phase of economic orientation from the beginning to the present consists of four steps: the agricultural economy, the industrial, the knowledge, and the creative economies (UNCTAD, 2019). The change started from the initial phase of the agriculture-based economy and then evolved into industrial economic development. The third phase was next, specifically the era of financial information. Nevertheless, with the increasingly intensive technological disruption process, economic orientation shifted into a creative economy’s fourth phase. This economy emphasized the utilization of thought and technology in economic development, known as the industrial revolution 4.0. Figure 1 demonstrates the progressive changes in the economic phase from the initial agricultural to the creative economy’s final phase (Moelyono, 2010).

The use of information technology was characterized by industrial revolution 4.0, which was very influential in all industries. Its use in Indonesia’s early developmental period started in 1998 but experienced low adoption by the public. Industry 4.0, also known as the fourth industrial revolution, offers enhanced manufacturing flexibility and mass customization, higher quality, and increased productivity. As a result, it enables businesses to meet the challenges of generating increasingly personalized products with shorter lead times and improved quality. Industry 4.0 places a high value on intelligent production. Industry 4.0 is a German strategic project aiming at building intelligent factories where cyber-physical systems (CPSs), the Internet of Things (IoT), and cloud computing are used to improve and alter manufacturing technology (Stasiak-Betlejewska et al., 2018; Zhong et al., 2017).

Industry 4.0 plays a good role in resolving various data management and technology difficulties. Industry 4.0 has a strong positive impact on improving products and services due to these features. Industry 4.0 aspects, such as big data, the Internet of Things (IoT), and smart factories, improve long-term performance. As a result, incorporating industry 4.0 can improve long-term corporate success by addressing numerous technological difficulties (Haseeb et al., 2019). However, together with technology’s increasingly massive growth, the use of the internet is unavoidable. The internet’s advancement has always been costly, but the price has become significantly low. Due to its development, the internet can now be accessed by all people anywhere. In the early days of the internet, smartphones were very costly and unaffordable for the majority. However, in this age of mobile use, smartphones are relatively affordable for all. The cost of the internet is not only declining, but in this era, smartphone devices are becoming increasingly affordable (Wahab, 2016). Furthermore, with 160.23 million smartphone users, Indonesia ranks fourth in terms of smartphone usage. Indonesia has a smartphone penetration rate of 58.6 percent of the population (katadata, 2021).

The increase in relatively affordable internet tariffs and the decrease in smartphones’ prices have enhanced significant internet growth and adoption. This rise in internet use has also influenced Indonesia’s growing use of fintech. Data from the Indonesian Internet Service Providers Association (APJII) showed a growing trend from 1998 to 2019. The number of internet users reached 196.7 million in 2019 (see Figure 2). This growth is driving an increasing range of internet-based activities in Indonesia (APJII, 2019). Furthermore, numerous internet-based applications and operations are rising, and financial technology (fintech) penetration is presently one of the essential applications of internet-based operations in Indonesia. It is essential to increase internet use, as the use and penetration of fintech in a country depend heavily on the country’s internet presence.
According to Devezas et al. (2017), research on technological disruption, its implications, and industrial revolution 4.0 not only encourages changes in consumption and production. It also causes changes in phenomena and paradigms regarding technological processes and economic structures. Digital transformation includes the financial industry through the emergence of financial technology, better known as fintech. In almost all countries, including Indonesia, fintech has rapidly developed.

Bank Indonesia is the banking and financial transaction regulator and authority in Indonesia. In 2017, Bank Indonesia released Regulation No. 19 of 2017 concerning the Fintech Sandbox Regulation of the Members of the Board of Governors. As a regulator, the Bank has classified fintech in Indonesia and categorized it into several types: payment system, market support, investment, risk management, loans, financing, capital investment, and other financial services. Bank of Indonesia has regulated Members of the Board of Governors of Bank Indonesia Number 19 of 2017 concerning Financial Technology Regulatory Sandbox (Bank Indonesia, 2017).

The Indonesian Fintech Forum, based on data from the Coordinating Ministry for Economic Affairs of The Republic of Indonesia, clarified that fintech use in Indonesia has increased. Data showed that from 6 classifications, Coordinating Ministry for Economic Affairs of The Republic of Indonesia consists of Peer to Peer (P2P) Lending, Payment, Market Data Analysis, Analytics, Artificial Intelligence, Wealth Management, Crowdfunding, insurance, and others (see Figure 3). From this classification, fintech has multiplied in Indonesia, especially in Peer Lending. Approximately 40 percent of overall fintech involves creating Peer to Peer (P2P) lending to individuals or companies, while 34 percent involve payments. Fintech market provisioning of 9 percent is the subsequent growth. Furthermore, the growth of equity in fintech crowdfunding, data mining, artificial intelligence, and asset management in Indonesia increased by 4 percent. Fintech advances in the insurance industry have also advanced by 3 percent in recent years (Jayani, 2019).
Fintech is an innovation that can revolutionize the banking industry, as this is a mix of financial services and technology that can shift the business model from traditional to moderate (Wonglimpiyarat, 2017). According to Gai et al. (2018), fintech has become a popular term describing new technologies adopted by financial services agencies. A Report in the 2019 Daily Social research showed the proliferation of fintech worldwide. Furthermore, E&Y (2017) stated that the average percentage of consumers who used fintech services in 2015 amounted to 16 percent and increased by 33 percent in 2017 (Harahap et al., 2017).

Furthermore, fintech development in developing countries increases due to several supporting factors. These include: (1) young residents who have access to mobile devices; (2) approximately 60 percent of the world’s population will be located in Asia by 2030; (3) financial and capital market inefficiency in creating opportunities for informal activities; (4) lack of physical infrastructure from banking; (5) tendency to observe behaviours of the covenant; (6) new market opportunities; and (7) data protection and less intense competition (Barberis, 2016). These constitute the variables that increase customer penetration of fintech.

Ozili’s (2018) study on fintech’s impact on financial inclusion stated that it influences financial inclusion, which posed a problem for developing countries. Financial inclusion is a problem because consumers are targeted by fintech, as they do not often have access to banking (referred to as an underbanked society). The fintech success story in reaching an underbanked society is that it has managed to get approximately 250,000 people who have obtained loans from this sector. Therefore, Ozili (2018) suggested that it positively affects financial inclusion in developing countries and is less costly than traditional banks.

Ryu (2018a) expressed that consumer considers the benefits and risks to determine the expected value of fintech. Once the advantages are more significant than the costs, the consumer chooses the product or service (Keong et al., 2020). Compared with conventional financial services, fintech entails modern approaches with innovative systems and new procedures that often lack security expertise alongside an old comparison of regulations. Furthermore, growing innovation in technology and the ease of digital technologies provide consumers with a wide variety of choices to quickly turn to other low-cost technology services (Wang et al., 2019).

Retaining customers is a crucial concern for fintech service providers. Previous literature on the continuation of users in the online world and the financial sector highlighted trust’s role. It results from a consistent customer statement founded on relationships (Yulia & Kim, 2018). Therefore, trust in the company and confidence in the ecosystem is essential for customers and fintech development.

The growing competition in technology services and the ease of digital technologies offer consumers a wide variety of choices. The ease of digital technologies is because customers can quickly turn to other technology services at an affordable price (Wang et al., 2019). Based on previous research, people have been motivated to continue using fintech services, primarily because of consumer confidence in current conditions. Fintech users in Jakarta occupy the highest position for the percentage of comparison between the number of internet users and the number of fintech users, at 189.92 percent, according to Stefanny & Tiara (2021). This situation differs greatly for areas outside of Java, where the percentage ratio is below 15.42 percent. This situation demonstrates that the province of Jakarta dominates fintech consumers in Indonesia, which is also the reason for the city’s designation as a research locus.

Furthermore, the Indonesia Fintech Report 2020 indicates that fintech is primarily used for fintech loans and fintech for payment. This can be seen in the report’s statistics, which shows that fintech loan accounts for 50 percent of fintech users in Indonesia, while payments account for 23 percent. The rest is tiny fintech, including crypto, personal fintech, crowdfunding, comparison, and others. As a result, fintech used for loans and fintech used for payment is the focus of research among Indonesia’s significant consumers. As a result, the respondents chosen have used or are now using both types of fintech.

This research aims to analyze factors that influence the intention to continue utilizing fintech services. Promoting fintech growth in Indonesia, the results are expected to guide policy-making stakeholders. Fintech-related research results are instrumental for relevant stakeholders to establish regulations that facilitate the improvement of fintech. Therefore, feedback is expected to be given to the Bank of Indonesia and the Financial Service Authority to prepare and issue fintech related policies.

**METHOD**

**Types and Data Sources**

This study used primary data derived from data collected directly from Google Forms. The research used a non-probability sampling method to investigate the impact of consumers’ behaviour on their intention to continue using fintech. As a result, the study relied on data that met the research objectives outlined in the previous section. Data was collected via Google Forms because of the pandemic Covid-19, so the questionnaires were sent randomly in Jakarta to collect the data from respondents from March to May 2020. The respondents that have been collected are the user of fintech lending and...
payment. Jakarta has been chosen for the locus of this research based on the previous section we have stated in the introduction section. Moreover, the increase of fintech in Jakarta has been benchmarked and centered on the progress of fintech in Indonesia. These responders were still alive and well, and they had employed fintech in various applications. Respondents ranged in age from 17 to 35 years old, with an average diploma and undergraduate degree.

Furthermore, the research revealed that roughly 60 percent of the population earns between Rp1 and Rp5 million each month. At least one mobile phone or internet banking application and one fintech application. For the study, a total of 280 questionnaires were gathered from respondents. However, 260 surveys were returned out of the 280 that were sent. There were 112 respondents on the return questionnaire who did not match the requirements to be considered responders.

The research method used was a quantitative method by looking at the relationship between the variables studied (causal relationship). There were five variables evaluated in this research: perceived benefit, trust, perceived risk, attitude, and continuity intention. Each variable measured by several statements derived from various sources. Table 1 shows the variable, research indicator and the analysis performed using the Structural Equation Model (SEM) in the AMOS software.

### Table 1. Variables and Research Indicators

| Variable          | Indicator                                                                 | Source                                      |
|-------------------|---------------------------------------------------------------------------|---------------------------------------------|
| Perceived benefit | 1. Many advantages gained using fintech.                                   | (Razzaque et al., 2020), (Nizar, 2017), (Benlian & Hess, 2011) |
|                   | 2. I can easily and quickly use fintech.                                   |                                             |
|                   | 3. Using fintech is very beneficial to me.                                 |                                             |
|                   | 4. Using fintech offers more quality services than traditional financial services. |                                             |
| Trust             | 1. Overall, I believe fintech services can be trusted.                     | (Hu et al., 2019), (Sánchez-Torres et al., 2018) |
|                   | 1. I believe fintech services maintain the confidentiality of my data.    |                                             |
| Perceived Risk    | 1. Using fintech deals with high risk.                                     | (Lim et al., 2019), (Benlian & Hess, 2011) |
|                   | 2. Using fintech is full of uncertainty.                                   |                                             |
| Attitude          | 1. I am sure using fintech is a good idea.                                | (Grabner-Kräuter & Faullant, 2008), (Jiwasiddi et al., 2019) |
|                   | 2. Using fintech is a pleasant experience.                                |                                             |
|                   | 3. I am interested in using fintech.                                      |                                             |
| Continuance       | 1. I am already using fintech services and will continue to use them.     | (Marakarkandy et al., 2017)                 |
| Intention         | 2. I will use fintech services soon.                                       |                                             |
|                   | 3. I would recommend fintech services to friends.                         |                                             |
|                   | 4. I would consider fintech positively as my choice.                      |                                             |
|                   | 5. I prefer fintech.                                                      |                                             |
|                   | 6. I intend to continue using it-fintech in the future.                   |                                             |

### Analytical Methods

The instruments used in this study were developed to measure variables. Variable measurement in a developed model involves each variable’s indicators, as shown in Table 1 above. Research indicators were adopted from previous studies that correspond to the variables used in previous research. All indicators are measured using a Likert scale from 1 to 5. Number 1 = strongly disagree, Number 2 = disagree, Number 3 = doubtful, Number 4 = agree, and Number 5 = strongly agree.

Using AMOS Software, this research utilized a SEM method or approach. SEM approach was used to analyze the relationship between variables. The SEM application in this research is expected to resolve the research issues mentioned in the previous section. Several steps were taken in the analytical stage of the data before performing quantitative analysis using SEM. The first step, the evaluation stage, was carried out, which involved model measurement. At this stage, an analysis of the validity and reliability of the instrument was performed. The next step was to test the hypothesis using the software used. Input for the development of regulations created by policymakers is focused on the results of this study. Furthermore, sensible policies notably related to the implementation of this research require significant positive feedback. The expected results are necessary to formulate regulations that promote Indonesia’s fintech ecosystem.

Conceptual frameworks were constructed from several previous studies to answer the research question. Therefore, this research has a framework for analysis, as defined in Figure 4.

The rapid development of technology today raises a relatively high level of uncertainty. These high-level
Further research conducted by Xu et al. (2014) showed that trust, perceived gain, and perceived risk significantly influence customer attitudes when shopping online. Perceived risk can be a barrier for users wanting to utilize fintech services (Ryu, 2018b). Conducted by Hu et al. (2019) stated an effect of perceived risk on consumer attitudes to adopt fintech services. Furthermore, Nangin et al. (2020) mentioned that attitude is an exchange of values between positive (perceived benefit) and negative attributes (perceived sacrifice). A person’s positive attitude towards an object will be low when the consumer feels a high sacrifice and vice versa. The study carried out by Leonardo (2016) showed that the perceived benefits and perceived sacrifices could affect consumer attitudes. Based on previous research, perceived risk negatively affects consumers’ attitudes towards fintech services. Meanwhile, perceived benefit positively affects consumer attitudes towards fintech services.

Further studies initiated by Nelloh et al. (2019) mentioned risk perception as a variable affecting the purchase. The risk perception is primarily during online transactions due to a lack of physical contact between the customer and the seller. When the security of transactions on the website is well maintained, it reduces the perceived risk (Kim & Lennon, 2013). Indiani et al. (2015) also found that perceived risk can increase trust, encouraging actual purchase (Bazarbash, 2019). Deng et al. (2018) also assessed the impact of perceived risk on confidence in China’s health services. Besides, Indiani et al. (2015) stated that the perception of risk affects trust, and the hypothesis of fourth can be written as H4: Perceived risk negatively affects trust.

Xiao et al. (2017) conducted previous research, based on the research results, expressed higher confidence in the company due to the higher perception of benefits that consumers will feel. Based on previous studies, the fifth hypothesis can be H5: Trust positively impacts the perceived benefit. Attitudes are positive or negative emotions and perceptions formed whenever it comes to an element. Based on the Technology Acceptance Model (TAM), behavior against technology was determined by such users’ attitudes. Empirical research such as Payne et al. (2018) and Purwanto et al. (2019) studied the positive relationship between attitudes and intentions in using technology. The results were strengthened by Foroughi et al. (2019), which expressed a positive influence between attitude and desire to continue using mobile banking. Furthermore, Jiwasiddi et al. (2019) also stated that ethics in a person has a higher positive attitude towards technology use. The intention to continue to use it will be relatively higher, and the sixth hypothesis can be written as H6: Positive attitude influences the intention to use fintech continually.

Ryu (2018a) observed that perceived benefit and risk could affect consumers’ desire to continue using fintech/continuance intention. The perceived gain had a positive, essential effect on fintech’s continuity expectation, while the perceived risk seemed to affect fintech’s continuity-specific intent. This phenomenon is backed by another research (Putritama, 2019). Therefore, the following hypothesis was formulated: H7: The perceived gain significantly impacted fintech’s continuity intent. H8: Perceived risk adversely affects the desire to start fintech.

Furthermore, Faradynawati (2018) stated that consumer confidence could reduce the perception of risk faced, and this belief affects the desire to continue to use fintech services (Gomber et al., 2018; Lee & Shin, 2018). The research is consistent with Zhou et al. (2018) research, as individuals who expressed trust significantly influence the e-business continuity intention. Therefore, the following hypothesis was formulated: H9: Trust positively affects Fintech continuity intention.

Figure 4 shows the variables used in the analysis as defined in the research framework. A perceived gain (P.B.) is an advantage, comfort, or benefit gained by the use of fintech. T.R. stands for confidence and relates to fintech’s belief in preserving confidentiality and reliability. P.R. stands for perceived risk, which is a factor that explains why fintech is related to a high degree of risk and uncertainty. ATT stands for attitude, which is described as confidence in the use of fintech, a positive experience with fintech, and a willingness to use fintech. IN is continuance purpose, is a vector that continues to use fintech and will soon use fintech. Table 1 offers a more detailed explanation of the variables used in this analysis.

![Figure 4. Conceptual Framework](image-url)

Based on previous research that has been mentioned before, then the following hypothesis is mentioned below:

H1 Trust positively affects consumer attitudes to use fintech services.

H2 Perceived risk negatively affects the attitude of consumers to use fintech services.

H3 Perceived benefit positively affects consumer attitudes to use fintech services.

H4 Perceived risk negatively affects trust.
H5  Trust has a positive impact on perceived benefit.
H6  The attitude of positive influence on fintech continuity intention.
H7  The perceived benefit has a significant impact on fintech’s continuity intent.
H8  Perceived risk adversely affects the desire to start fintech.
H9  Trust positively affects fintech continuity intention.

RESULTS AND DISCUSSION
Evaluating the Instrument
A pattern is the assessment process of the instrument that must be done in quantitative research. The method is achieved by checking the validity and reliability of the tool. Checking validity and reliability is essential before distributing the resources to the respondents. Furthermore, the resources were dispersed through social and internet networks, collecting results from 148 participants. These participants were deemed suitable for inclusion in the hypothesis test.

Data was collected by spreading questionnaires through Google Form and performing data validity and reliability tests to ascertain data accuracy. The instrument is valid from the Average Variance Extracted (AVE) results and a loading standard > 0.5. Additionally, reliability tests were conducted using the Construct Reliability value > 0.7. Table 2 shows more details about the validity and reliability tests against study variables.

Table 2. Validity and Reliability Tests

| Variable              | Indicator | Standard Loading | Construct Reliability (C.R.) | Variance Extracted (AVE) |
|-----------------------|-----------|------------------|------------------------------|--------------------------|
| Perceived Benefit     | PB1       | 0.872            | 0.894                        | 0.680                    |
|                        | PB2       | 0.770            |                              |                          |
|                        | PB3       | 0.880            |                              |                          |
|                        | PB4       | 0.770            |                              |                          |
| Trust                 | TR2       | 0.998            | 0.882                        | 0.792                    |
|                        | TR1       | 0.767            |                              |                          |
| Perceived Risk        | PR1       | 0.430            | 0.959                        | 0.937                    |
|                        | PR2       | 0.813            |                              |                          |
| Attitude              | AT1       | 0.872            | 0.917                        | 0.788                    |
|                        | AT2       | 0.899            |                              |                          |
|                        | AT3       | 0.893            |                              |                          |
| Continuance Intention | CI1       | 0.855            | 0.949                        | 0.757                    |
|                        | CI2       | 0.825            |                              |                          |
|                        | CI3       | 0.902            |                              |                          |
|                        | CI4       | 0.851            |                              |                          |
|                        | CI5       | 0.872            |                              |                          |
|                        | CI6       | 0.914            |                              |                          |

Source: Data calculated by author, 2020.

Table 2 shows that the result of construct reliability values for perceived benefit was 0.894, with the trust of 0.882, perceived risk 0.960, attitude 0.918, and continuity intention 0.949. The five variables’ construct reliability values were higher than the cut-off value of 0.7, while the indicators had the right internal consistency. The value of average variance extracted for the perceived benefit variable was 0.680, trust of 0.792, perceived risk 0.937, attitude 0.789, and continuity intention of 0.758. Therefore, the AVE value will be smaller than the construct reliability value. Since the five variables derive an AVE > 0.50, the variances extracted are from the more significant indicators for forming latent variables. It can be inferred based on Table 2 that the variables used are true and accurate for use in the analysis. The next step was to conduct the goodness of fit analysis and then continue with structural model evaluation using the software, to solve the previously determined research problems.

Structural Model Evaluation
The next step after the validity and reliability tests was the goodness of fit test. The process of structural model assessment is described in the model for conceptual analysis. Furthermore, the method of evaluation in this study is an essential operation. The value of the coefficient determinant, coefficient course, and the effect size was evaluated. The structural model assessment was derived from the model’s relevant study variables, as shown in Table 3. The value of RMSE is 0.089 acquired indicates an acceptable fit. The goodness of fit test also showed that GFI and AGFI were close to the fitness value. While CFI and TLI > 0.900 qualify, the minimum was fit. Therefore, the model was considered fit.
Hypothesis Test

The next step after the goodness of fit involved the hypothesis tests. Each hypothesis was tested using the software at the hypothetical test stage to respond to research problems. Using previous research that explored technology implementation, the researchers established these hypotheses. The seven hypotheses were used to explain the relationship between the six variables used in this analysis, as shown in Figure 1. The researchers measured the hypotheses with software AMOS version 23. The results are shown in Table 4.

Table 4 below shows the hypothetical test results using AMOS programs. The test was performed by looking at the Critical Ratio (C.R.) value compared to the Crites value identical to the T count value of +/- 1.960 with a sig. value or p-value < 0.050. If C.R. > t counts, then the hypothesis is supported, whereas if C.R < 1.960, then the hypothesis is not supported.

According to hypothesis 1 test results, trust has a significant and positive effect on consumer attitudes to use fintech services. This is evidenced by the value of C.R = 4.347 > 1.960 with p-value < 0.050 and standard estimate 0.320. Therefore, the interpretation was that the higher the consumer trust is, the more favorable attitude to fintech. Consumer trust is a crucial factor influencing consumers’ willingness to adopt fintech in Jakarta, according to Khozin (2018). Furthermore, the results of this study showed that essential trust factors have an impact on fintech growth in Indonesia.

The hypothesis 2 test results showed the value of C.R = 1.048 < 1.960 and p-value = 0.294 (> 0.050). Therefore, the hypothesis was not confirmed, as the perception of risk does not significantly affect consumer attitudes towards the use of fintech services. Meanwhile, Hypothesis 3 obtained C.R = 7.993 > 1.960 and p-value < 0.050 with an estimate value of standardize is 0.651, therefore, H3 was supported. The result signifies that consumers’ perceived benefits will affect consumer attitudes towards fintech use. Dharmawan et al. (2021) discovered, utilizing a sample of fintech user data in Jakarta, that risk perception substantially impacted interest in fintech use. The higher the benefits, the more positive attitude of consumers to fintech services. H1 and H3 agree with Nadiyah et al. (2019) that perceived benefit positively affects consumer attitudes. The sacrifices do not influence the attitudes of the objects being examined.

From the results, the hypothesis 4 test obtained the value C.R = -2.833 and p-value < 0.050 with an estimate of standardizing 0.190. H4 stated that the higher the perceived risk, the lower the consumer trust in fintech. These results correspond with Deng et al. (2019) but differ in industries and research. Indiani et al. (2015) observed an influence of perceived risk on trust. This result concludes that in customers using fintech, the Perceived risk is an important factor. Meanwhile, tests on hypothesis 5 obtained C.R 6.704 and p-value < 0.050 with an estimated value of 0.572. It can be interpreted as higher consumer trust in fintech will increase the perceived benefits. These results agree with Xiao et al. (2017), which stated that more confidence in an object increases the perception of the object’s benefits.

Test results of hypothesis 6 obtained C.R = 7.655 with p-value < 0.05 and estimate of standardizing is 0.969, which showed that consumers’ positive attitude would substantially affect the desire to
continue using fintech. Moreover, the results of the test of hypothesis 7 obtained C.R = -0.144 and p-value = 0.886 > 0.050 estimate -0.013. This signified that the perceived benefits do not affect the desire to continue using fintech. Raja & Widoatmodjo (2020) discovered that attitudes substantially impact consumer interest in fintech based on data from 100 fintech users in Jakarta.

The data processing results against hypothesis 8 showed that the values were C.R = -0.362 and p-value > 0.050, with an estimate of the value standardize 0.022. Therefore, H₈ is not supported, which means that trust does not affect the desire to continue using fintech, but the results were not validated. Wang et al. (2019) observed that trust is instrumental in increasing the desire to continue using fintech services. This is possible because fintech companies are becoming more popular in Indonesia and are racing to seize consumers’ attention by providing attractive offers such as cashback and discounts. However, consumers are hesitant to continue using the fintech services offered.

The test of hypothesis 9 gained C.R = 0.123 and the p-value is 0.902 with an estimate of standardized 0.000, which signified that the hypotheses were not supported. There is no effect of perceived risk on the desire to keep using fintech. Meanwhile, based on research conducted by Meyliana et al. (2019), the perceived risk does not affect the use of fintech. The testing results of hypotheses 7 and 9 do not agree with Ryu’s (2018b) research, which stated that the perceived benefits are positive and significant in the desire to continue using fintech. Ryu (2018a) also stated that the perceived risk negatively and significantly impacts the desire to continue using fintech. These results showed that the benefits and risks received could not guarantee that consumers will continue to use fintech services.

This research signifies that those variable trusts and benefits significantly influence varying attitudes. The trust variable then significantly affects the benefit variable. Meanwhile, the attitude variable significantly affects the variable of customer intent in fintech. Therefore, the trust variable has an impact on customers to use fintech either in attitudes and benefits.

Related to the increase in fintech penetration, research was conducted by Jünger & Mietzner (2020) on fintech. The study sample involved 643 consumers from October to November 2017. The results showed that the propensity to migrate to fintech was motivated by customer confidence and convenience with emerging technologies, financial literacy, and overall transparency. Consumers with low levels of trust, robust investment education, and a tendency for clarity, in particular, were distinguished by the likelihood of higher fintech adoption. Furthermore, confidence can be created through three principal dimensions. The first applies to competence and features. Second, goodness is a desire to provide both sides with mutual gratification. Third, honesty is business-related, whether or not the consumer’s information is accurate and in line with the truth.

Therefore, Bank Indonesia strives to enhance regulations and public policies as the regulator. The regulation and public policies are needed to increase the trust of fintech for customers’ willingness to use fintech. The intent is to create regulations that promote fintech actors to enhance consumers’ positive attitudes. This can be induced by encouraging fintech players to increase consumer trust and confidence in fintech services. Furthermore, Nangin et al. (2020) concluded that the main factor in increasing the extent of fintech adoption is trust.

Article 14 of Regulation No. 19/14/PADG/2017 of the Board of Governors of Bank Indonesia concerning Regulatory Sandbox states that financial technology companies are responsible for the accuracy and correctness of the data and documents submitted to Bank Indonesia for regulatory sandbox evaluation. Second, the systems’ security and reliability are used in Regulatory Sandbox assessments for operating products, facilities, innovations, and business models. Thirdly, data, information security, and customer funds in the introduction of fintech. Finally, the resolution of all rights and commitments to customers and other relevant stakeholders of fintech operators (Bank Indonesia, 2017). However, the operational execution of how fintech players can improve the quality of services has not been explicitly regulated, particularly by improving customers’ safety and confidence in fintech services.

The innovation of fintech teaches that the policy should be responsible for meeting the public’s needs, primarily economic actors, and for following up with momentary developments. Furthermore, judicial institutions will need to balance and strengthen legal instruments, to preserve the quality of public confidence in the rule of law. The government will balance national interests and business players’ interests with the comprehensiveness of legal instruments (Hapsari et al., 2019). The government should act as a regulator and facilitator, fostering an environment in Indonesia that is conducive to fintech growth. Bank Indonesia, the Financial Services Authority, fintech start-ups, customers, and the Indonesian House of Representatives should all work together to create an environment that supports fintech growth in the country.
CONCLUSION

Based on this research that focused on the use of fintech in Jakarta, the variable positive attitudes towards fintech strongly influence consumers’ desire to continue using fintech. This positive attitude is strongly influenced by the perceived benefits and also trust in the fintech. The risk factors faced do not affect consumer attitudes to use fintech, but the risk affects trust. The greater the risk faced will reduce consumer confidence in fintech.

Companies engaged in fintech must continue to innovate to provide more benefits to the consumer. Trust that has been built well must also always be maintained because the higher the trust, the better the consumer’s attitude towards fintech. The higher the trust, the higher the perceived benefits. Currently, fintech has only been introduced in Indonesia, especially for payments. Consumers still enjoy attractive offers provided by fintech companies, such as cashback and discounted prices. Based on this study, risk perception has not impacted consumers’ preferences and confidence because the number of fintech usage is limited and only by payment. However, the benefits, trust, and risks have not influenced consumers’ desire to continue using fintech.

This study has limitations in terms of the scope of the number of respondents based on only 148 respondents in Jakarta, and we only utilized two indicators to classify variables in this study. Further research requires many respondents from other provinces in Indonesia to get complete and valid conclusions on factors that affect the community using fintech in Indonesia and use more indicators to explain the variable.

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