

JAM

20, 4

Received, August '22  
Revised, August '22  
November '22  
Accepted, November '22

# DETERMINANTS OF THE INTERNET GENERATION CUSTOMER LOYALTY IN INDONESIA TELECOMMUNICATION MOBILE SERVICES: DOES OF CUSTOMER SATISFACTION PLAY A MEDIATION ROLE?

Syahmardi Yacob  
Johannes  
Edward

Universitas Jambi, Indonesia

**Abstract:** The study investigates the iGen customer loyalty model that is affected by service quality, culture, loyalty program, and trust through customer satisfaction. Following the conceptual model, an inclusive set of hypotheses have been developed. The needed data were collected from 663 samples using an online survey, and Structural Equation Model with Smart Partial Least Square was applied to test the model and hypotheses. The research found that service quality, culture, loyalty programs, and trust are combined to predict customer loyalty. Trust and loyalty programs exert a more powerful impact on customer loyalty than service quality and culture variables. Customer satisfaction is a mediator between service quality, loyalty programs, customer trust, and customer loyalty. The results have some critical academic and professional implications for determining the model of consumer loyalty and the uniqueness of internet generation (iGen) in mobile communication services. The study can be used as a role model in formulating a marketing strategy management with a competitive advantage in mobile communication services in Indonesia.



Journal of Applied  
Management (JAM)  
Volume 20 Number 4,  
December 2022  
Indexed in DOAJ -  
Directory of Open Access  
Journals, ACI - ASEAN  
Citation Index, SINTA -  
Science and Technology  
Index, and Google  
Scholar.

**Keywords:** Quality of Service, Customer Trust, Customer Satisfaction, Customer Loyalty, iGen

**Cite this article as:** Yacob, S. Edward, and Johannes. 2022. Determinants Of The Internet Generation Customer Loyalty In Indonesia Telecommunication Mobile Services: Does Of Customer Satisfaction Play A Mediation Role?. *Jurnal Aplikasi Manajemen*, Volume 20, Number 4, Pages 833–847. Malang: Universitas Brawijaya. DOI: <http://dx.doi.org/10.21776/ub.jam.2022.020.04.07>.

The global mobile communications service industry's rapid growth and dynamic nature have piqued the interest of several marketing academics and practitioners. Researchers have examined the relationships between several behavioral constructs

in the mobile communications market in France (Lee et al., 2001); Germany (Gerpott et al., 2001); Hong Kong (Woo and Fock, 1999); South Korea (Kim et al., 2016); the United States of America and Turkmenistan (Lim et al., 2006). Recently, marketing academics have adopted a comprehensive hierarchical modeling approach. They were to conceptualize and measure the dimensions of service quality and critical higher-order constructs (e.g., sat-

*Corresponding Author:*  
Syahmardi Yacob, Universitas  
Jambi, DOI: <http://dx.doi.org/10.21776/ub.jam.2022.020.04.07>

isfaction, image, perceived value, and loyalty) in a variety of service industries, including education (Clemes et al., 2008), health services (Dagger et al., 2007), hospitality (Clemes et al., 2010), and the sporting industry (Clemes et al., 2011). The global mobile communication market is constantly evolving, as evidenced by changes in dimensional structures, customer perceptions of service quality dimensions, and the relationships between higher-order constructs.

Telkom and Rajasa Hazanah corporation first introduced mobile communication services to Indonesian customers in 1984. Due to the enormous market and the fairness competition principle, in 1999, the Indonesian government ended its monopoly position services by issuing a policy to deregulate it. Since then, mobile phone operators have increased dramatically, and mobile service has spread all over Indonesia. Consequently, intensified competition among mobile service operators is inevitable. In such a competitive market, acquiring new customers is more challenging than ever because cellular service providers provide prospective customers with more alternatives and alluring deals to potential customers. Retaining existing customers becomes more complex and costly because the main customers are pre-paid, which experienced a relatively high churn rate. Twenty-two percent of mobile customers in Indonesia expressed their intention to relocate telecommunication operators within 12 months.

Internet Generation (iGen) is the most critical customer; they were born between 1995 and 2012 (Twenge, 2017) and were raised in the internet and social media era. They consider the mobile phone precedence, and about 98% of this generation has used smartphones since 10. They are the most prominent Indonesian population, with 72.8 million (27 percent) of 267 million Indonesians in 2019. They are also the most frequent internet users among those aged 15 to 19, with nearly 97 percent accessing the internet via a mobile device. The National Retail Federation predicts that iGen will be the most rapidly growing generation in the workplace in the next five years. They indicated that the market with potential purchasing power in 2021 was estimated at U.S. \$.54 billion. Furthermore, Smalej (2017)

expected that iGen would soon become an adult, with nearly 40 percent of all consumer purchasing power in 2021.

Today, iGen is considered the most critical customer to mobile service providers. They were raised on the internet and used mobile services to access the internet. Their characteristics involve: “the first truly digital native generation” (Lanier, 2017). Several researchers argue for different reasons: they cannot live without Smartphones (Ozkan and Solmaz, 2015). They are naturally active and flexible (Pollack, 2014); they interact with others mainly using information technology (Herring and Thompson, 2013); they are incredibly dependent on intelligent technologies in their lives (Roblek et al., 2019); and they habitually communicate with each other by text and voice, short video clips using mobile phones (Takahashi, 2011).

Based on a marketing perspective, - customer loyalty is critical to business success. Hence, Wu and Ai (2016) argued that customer loyalty could spread significant marketing attention because of its enormous implications for modern business. Kandampully et al. (2015) reported that customer loyalty was considered a long-term asset and the most critical business outcome (Al-Aali et al., 2011; Kim et al., 2016). Owning and maintaining loyal customers is advantageous because they play a vital role in creating a competitive advantage (Wu and Ai, 2016). Making customer loyalty toward business has been regarded by marketing experts as a crucial requirement for market accomplishment (Kandampully et al., 2015). So, different service providers need to have loyal customers (El-Adly and Eid, 2016). Furthermore, loyal customers are keen to recommend the products they satisfy to other customers, and they generate some economic benefits, such as premium prices, cost reduction, and additional sales revenue (Kim et al., 2016) and (Murali et al., 2016).

The prominence of the customer loyalty concept has enthused researchers from various parts of the world to comprehend customer loyalty and its antecedents, including in the cellular telecommunications industry. However, no research has been done to understand customer loyalty from the view-

point of iGen. The research novelty is building the shape of an iGen customer loyalty model in the Indonesian mobile services context with new methods. Therefore, this research contributes to strategic marketing management for the mobile communication service from the point of view of service quality, loyalty programs, trust, culture, and customer satisfaction as a conceptual and contextual model in the mobile communication service. This study aims to investigate the iGen customer loyalty model that is affected by service quality, culture, loyalty program, and trust through customer satisfaction.

## **LITERATURE REVIEW**

### **Customer Loyalty**

At the expense of sluggish rivals, businesses that cultivate customer loyalty can secure numerous profitable customer relationships (Reichheld and Schefter, 2000). Therefore, losing customers is a concern that telecommunications companies must take seriously (Sweeney and Swait, 2008). To remain relevant in the current competitive telecommunications market, creating a pool of loyal customers is a crucial strategic step. Izogo, 2015a; Tarus and Rabach, 2013; Kaur and Soch, 2012; Chen and Cheng, 2012; Edward and Sahadev, 2011; Hur et al., 2010; Lai et al., 2009; Sweeney and Swait, 2008; Gustafsson et al., 2005; Kim et al., 2016; Gerpott et al., 2001; among others have examined customer loyalty in the telecommunications. Several aspects of loyalty have been identified in prior research, but two perspectives predominate behavioral and attitudinal loyalty. Attitudinally loyal customers exhibit repurchase behavior, participate in word-of-mouth, and make business referrals (Rauyruen and Miller, 2007). A repurchase customer can switch, whereas an attitude-loyal customer is difficult to switch. Additionally, committed customers perceive greater loyalty benefits and brand-switching risks (Evanschitzky et al., 2006). According to Rauyruen and Miller (2007), creating a loyal customer base involved not only retaining a large number of customers over time but also fostering relationships with customers to encourage future purchases and advocacy.

### **Customer Satisfaction**

The theory of customer satisfaction is initially conceptualized as the anticipation of how the service will perform its function. However, Woodruff and Gardial's (1996) research showed that different comparisons are used and even change throughout the consumption process. In addition to expectations, other comparison standards include the ideal product, product competitors, other product categories, marketers' promises (created through marketing), and industry standards. Customer satisfaction can be defined as the pleasure customers experience when evaluating a product or service they have utilized. Czepiel (1990) stated, "Since satisfaction defines (and can be measured) the difference between expectation and perceived reality, a company can alter customer satisfaction without altering its offering."

### **Service**

The conceptual definition of service quality developed by Parasuraman et al. (1988) has been widely utilized to evaluate the quality of customer service interactions. Bitner (1990) defined service quality as the customers' overall impression of the relative inferiority/superiority of a service provider and its services. Service quality is frequently equated with the customers' overall attitude toward the business (Parasuraman et al., 1988). This definition of service quality addresses multiple aspects. One of them is an attitude formed through all previous interactions with the service provider (Bitner, 1990; Parasuraman et al., 1985, 1988).

### **Culture**

Culture is believed to be one of the most significant factors shaping individual values and influencing behavior. Nevertheless, despite increasing research efforts, marketers struggle to comprehend culture. Culture is a complex entity comprised of shared affective reactions, cognitions (beliefs), and behavioral patterns shared by an entire society or country. Some researchers refer to culture as a national character due to the shared pattern of personal characteristics among the nation's inhabitants.

Hofstede (2011) identifies four cultural dimensions: power distance, femininity/masculinity, uncertainty aversion, and individualism/collectivism.

### Loyalty

In the past two decades, numerous studies have examined the various definitions of loyalty (Jacoby and Chestnut, 1978). They argue that there must be a strong “attitudinal commitment” to a brand for true loyalty to exist (e.g., Jacoby and Chestnut, 1978). It is a set of consistently positive beliefs regarding the purchased brand. If a consumer believes that a brand possesses desirable characteristics, they will have a more positive attitude toward that brand. Then, these attitudes can be measured by asking individuals how much they like the brand, are loyal to it, will recommend it to others, and have positive beliefs and feelings about it (Donio et al., 2006).

### Trust

According to one definition, trust is “a psychological state composed of the intention to accept vulnerability based on expectations of another’s intentions or behavior.” (Rousseau et al., 1998). In numerous transactional relationships, trust is a vital construct catalyst. In the commitment-trust relationship marketing literature, for instance, trust is conceptualized as existing when one party has faith in a partner’s dependability and integrity (Morgan and Hunt, 1994; Ranaweera and Prabhu, 2003). Indeed, the trust could exist at both the individual and organizational levels. In addition, when conceptualized as a dimension of the technology acceptance model, trust was thought to significantly impact user willingness to engage in online exchanges of money and sensitive personal information (Wang et al., 2003).

## HYPOTHESIS DEVELOPMENT

### Customer Satisfaction-Customer Loyalty On

Birch-Jensen et al. (2021) reported that customer satisfaction is critical for customer-oriented and service-oriented organizations, as customer experience is strongly linked to the in-use phase of

products and services. On the other hand, many researchers investigated customer satisfaction and customer loyalty. They ascertained that customer satisfaction positively and significantly influences customer loyalty (Wei, 2011). They demonstrated that customer satisfaction was an indicator of customers’ perceptions of service providers in the telecommunications sector (Moreira et al., 2016). Haskett (2011) argued that satisfied customers lead to loyal customers, and dissatisfied customers result in unfaithful customers. Although customers remain loyal to a particular product or a service may not always be caused by their satisfaction, the more satisfied the customers are, the more loyal they are (Liu et al., 2010). Therefore, we propose the first hypothesis:

Hypothesis 1: Customer satisfaction significantly and positively affects customer loyalty in the Indonesian cellular service context.

### Service Quality-Customer Loyalty On

Daniel et al. (2014) demonstrated the critical role of service quality in determining customer perceived value, customer satisfaction, company image, and perceived switching costs. The review of previous research revealed three concepts related to the service quality - customer satisfaction link: 1) service quality is the antecedent of customer satisfaction, 2) customer satisfaction is a predictor of the relationship between service quality and profitability, 3) the relationship between service quality and customer satisfaction is mutual (Deng et al., 2010). However, some researchers argue that service quality predicts customer satisfaction (Kuo et al., 2009; Siddiqi, 2011). Others support that service quality is a satisfaction determinant (Karim and Chowdhury, 2014); (Zeithaml et al., 1996); (Boohene and Agyapong, 2011); (Al Hawari et al., 2009); and (Jahanzeb et al., 2011). Thus this study proposes hypotheses:

Hypothesis 2: Quality of service significantly and positively affects customer loyalty in the Indonesian mobile services context.

Hypothesis 3: Quality of service significantly and

positively affects customer satisfaction in the Indonesian mobile services context

Hypothesis 4: Customer satisfaction is a mediator between service quality and customer loyalty in the Indonesian cellular services context

### **Culture-Customer Loyalty On**

Culture refers to the national culture with unique values that distinguish one society's members from another (Hofstede, 2011). Cultural values lead customers to determine how they satisfy their needs and desire. As a result, to achieve customer satisfaction, businesses must adapt to their culture. (Réalé Sancha, 2017). Some research found that cultural values affect both customer satisfaction and customer loyalty. Parahoo et al. (2015) found that cultural values, directly and indirectly, influence customer satisfaction or loyalty behavior.

Tarhani and Janfadaei (2017) found a significant relationship between cultural dimensions and customer loyalty in the export market. Malik and Ramay (2017), in their research on the loyalty of student customers to the university, also found that Hofstede's national cultural dimensions significantly affected student loyalty to universities. Diallo et al. (2018) reported that collectivism's positive impact on customer loyalty was evidenced in Morocco, Senegal, and Tunisian shopping centers.

Zhang et al. (2014). Both uncertainty avoidance and long-term orientation have positively influenced China's intentions for loyalty. Thus the hypotheses are proposed as follows:

Hypothesis 5: Culture significantly and positively influences customer satisfaction in Indonesian cellular services.

Hypothesis 6: Culture significantly and positively influences customer loyalty in Indonesian cellular services.

Hypothesis 7: Customer satisfaction is a mediator between culture and customer loyalty in Indonesian cellular services.

### **Loyalty Program-Customer Loyalty On**

Loyalty programs offer rewards and encourage customers to repeat purchasing (Dorotic et al., 2012). The programs provide customers practical, hedonic, and symbolic benefits (Mimouni-Chaabane and Volle, 2010). They are designed to increase the chances of re-buying from existing customers, attract new customers, and improve consumer perception of its value (Erbschloe, 2017). Customers' positive perception of the program's benefits will increase customer satisfaction with loyalty programs (Stathopoulou and Balabanis, 2016). The ultimate goal of loyalty programs is to grasp customer loyalty (Chiou and Droge, 2006). In various studies, customer satisfaction is a central variable in the customer loyalty model (Chen and Cheng, 2012; Deng et al., 2010). In the mobile communication services context, customer satisfaction positively impacts customer loyalty (Zhang et al., 2014; Kumar et al., 2011). Thus, the proposed hypotheses are: Hypothesis 8: loyalty programs significantly and positively affect customer satisfaction in the Indonesian cellular services context

Hypothesis 9: loyalty programs significantly and positively affect customer loyalty in the Indonesian cellular services context

Hypothesis 10: Customer satisfaction is a mediator between program loyalty and customer loyalty in Indonesian cellular services.

### **Customer Trust-Customer Loyalty On**

Many researchers found that customer trust affects satisfaction, but others showed the opposite. Customer trust was formed as a result of the customer's experience. (Dabholkar and Sheng, 2012). In contrast, many researchers found that customer trust affects customer satisfaction (Leninkumar, 2017; Bricci et al., 2016). Furthermore, customer trust was also reported to affect customer loyalty directly. Aslam et al. (2018) and Hafez and Akther (2017) revealed a significant and positive influence of customer trust on customer loyalty in Bangladesh's telecommunications industry. Other

researchers also reported that customer trust affected customer loyalty in other sectors (Kishada and Wahab, 2013; Gul, 2014; Madjid, 2013; Deng et al., 2010). This research supports the latter that customer trust affects customer satisfaction. Therefore, the proposed hypotheses are:

Hypothesis 11: Customer trust significantly and positively affects customer satisfaction in Indonesian mobile services.

Hypothesis 12: Customer trust significantly and positively affects customer loyalty in Indonesian mobile services.

Hypothesis 13: Customer satisfaction is a mediator in customer trust and loyalty in Indonesian mobile services.

The theoretical model of this study is presented in Figure 1.

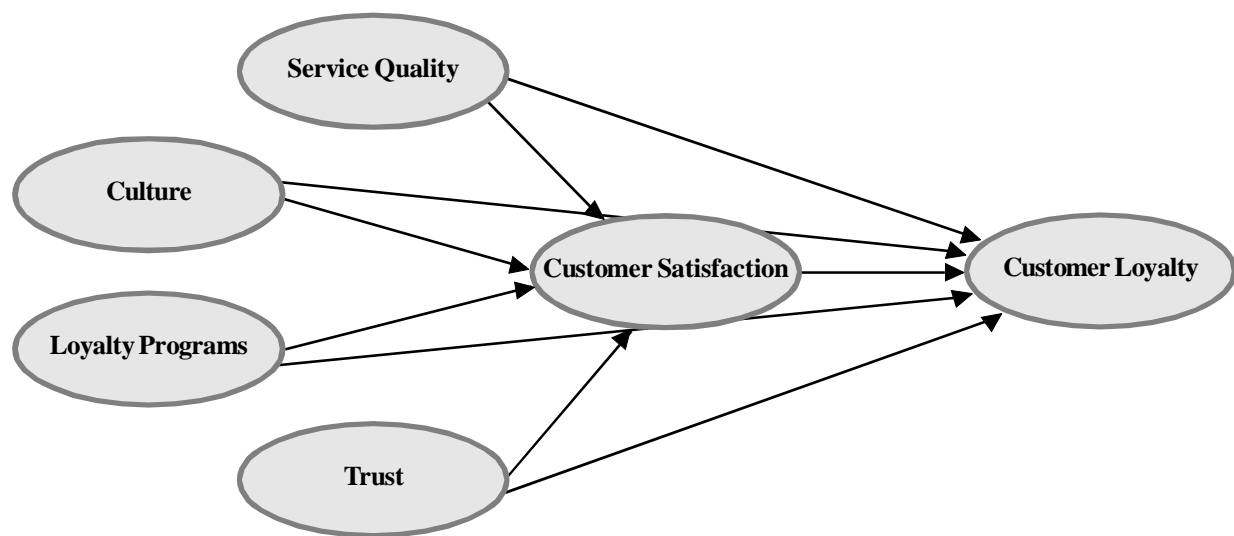


Figure 1. Research Model

## METHOD

### Research Instrument

This study used a survey design with a self-administered questionnaire and Google forms application. The questionnaire involves two sections: the first section is a demographic respondent profile, and the second section deals with the research constructs. A Likert scale of 7-point was used in the questionnaire, where a score of 1 represents “strongly disagree” and a score of 7 means “strongly agree.”

The service quality questionnaire involves four items adapted from Chinomona and Sandada (2013); Culture consists of 5 dimensions and 26 items adopted from (Yoo et al., 2011). Loyalty Programs consist of measurement and 15 items adopted by

Bose and Rao (2011); Trust consists of 5 items, adopted by Aydin and Özer (2005); 4 items measure customer satisfaction, adopted by Qadri and Khan (2014); and Customer loyalty contains seven items adapted from Zeithaml et al.’s research (Zeithaml et al., 1996).

### Sample and Data Collection

The target population was all iGen cohort ages ranging from 25 years old, and they are subscribers of cellular operators in Indonesia. Data were collected using a convenience sampling method via an online survey in 10 major cities in Indonesia, as seen in Table 1. During the data screening stage, 4 cases were found missing data and removed, and 663 responses were used in further analysis.

## Statistical Techniques

This research employed PLS-SEM statistical technique and applied Smart PLS 3 statistical software to process data (Henseler et al., 2014). The statistical technique is used to match nonparametric tests to avoid non-normality issues. (Hair and Hult, 2017).

## RESULTS

### Respondents Overview

Respondents were predominantly female (67.0%); average respondents were 21-25 (56.0%). About 87.9% of respondents have a university education level, senior high (11.6%), and the rest have junior high school (27.2%). Most of the respondents were occupied by Telkomsel and Tri, which account for (72.8%). Table 2 presents a description of the respondents (see appendices)

### Measurement Model

In terms of internal consistency, all constructs of the measurement model have high internal feelings. The AVE and C.R. have a value of 0.5, and 0.70 accordingly exceeds the recommended value of 0.70 (Hair and Hult, 2017; Hair et al. (2017); each construct has its Cronbach's alpha values exceed the suggested value of 0.70 (Ghozali and Latan, 2015). These results provide good convergent validity to assure each indicator's communality and each scale used (Hair et al., 2017).

### Discriminant Validity

Hair et al. (2017) suggest that discrimination validity (DV) assessment through two Fornell-Lacker Criterion (FLC) and correlation of heterotrait-monotrait ratio (HTMT). The Fornell-Larcker criterion was set using each construct AVE's square root and its values diagonally in table 4. AVE of all latent constructs' square root is larger than the corresponding latent variables correlations (LVC).

### Evaluation of Structural Model

Referring to the criteria recommended by Sarstedt et al. (2017), all variables have moderate

predictive capabilities, for the  $R^2$  value is smaller than 0.75 and larger at 0.50. It can be explained that variants in customer loyalty are 71% explained by service quality, culture, loyalty program, customer trust, and customer satisfaction ( $R^2 = 0.71$ ); service quality, culture, loyalty programs, and customer trust all explain variations in customer satisfaction (72.8 percent). Concerning the first hypothesis, the test result in table 6 shows satisfactory proof of customer satisfaction's positive and significant effect on customer loyalty ( $\beta = 0.236$ ,  $p > 0.05$ ). Therefore the first hypothesis is accepted. Customer satisfaction comes up with a 24% impact on iGen customer loyalty, and the effect size test shows a value of  $f^2 = 0.052$ , which indicates a weak effect on iGen loyalty (Sarstedt et al., 2017).

Regarding the second hypothesis, the result shows that there is not enough evidence to support that service quality significantly affects iGen loyalty ( $\beta = 0.02$ ,  $p < 0.05$ ), despite the positive direction of influence. Therefore, the second hypothesis is rejected. Furthermore, it has been discovered that the quality of service has a 0.2 percent impact on customer loyalty. The finding also reinforces that the quality of service manifests only slightly affected service loyalty (2%). The effect size ( $f^2 = 0.001$ ) is small according to the standards. According to the third hypothesis, service quality positively and significantly affects customer satisfaction ( $\beta = 0.186$ ;  $p < 0.05$ ); hence the second hypothesis is accepted. The quality of service has an impact of 18.6% on customer satisfaction, and the effect size test according to the standards recommended by Sarstedt et al. (2017) value  $f^2 = 0.073$ , which shows that the quality of service contributes to customer satisfaction, which is a relatively small size because the  $f^2$  value is smaller than 0.15 to say medium influence.

As to the fourth hypothesis, culture positively and insignificantly influences customer satisfaction direct ( $\beta = 0.028$ ;  $p < 0.430$ ). Hence the fourth hypothesis is accepted. It implies that cultural dimensions directly affect customer loyalty to mobile services. Also, it was found that culture directly influenced 8.1% of customer loyalty. The effect size test showed that the value of  $f^2 = 0.014$ , according to the standards recommended by Sarstedt et al.

(2017), had a minor impact and was less likely to affect if the  $f^2$  value was less than 0.02. The test result's fifth hypothesis showed that culture positively but insignificantly affects customer satisfaction ( $\beta = 0.028$ ,  $p < 0.05$ ). Therefore hypothesis 5 is rejected, meaning that cultural values believed and shared by members of the iGen generation do not influence customer loyalty. As it is found that culture affects only 2.8 percent of customer loyalty, this influence, according to the effect size test value  $f^2 = 0.002$  smaller than 0.02 as recommended by (Sarstedt et al., 2017).

The sixth hypothesis has been demonstrated to have a positive and significant effect on customer satisfaction ( $\beta = 0.199$ ,  $p < 0.05$ ); loyalty programs influence iGen to acquire satisfaction. Additionally, Customer satisfaction is increased by 20% due to loyalty programs. They have a moderate influence on customer satisfaction ( $f^2 = 0.083$ ) as it is smaller than 0.15 (Sarstedt et al., 2017). The seventh hypothesis test result shows that loyalty programs positively and significantly affect customer loyalty ( $\beta = 0.154$ ,  $p < 0.05$ ) to accept the seventh hypothesis.

After testing eight hypotheses, the results show that trust positively affects customer satisfaction ( $\beta = 0.569$ ,  $p < 0.05$ ). According to empirical evidence, customer trust has a 56.9 percent impact on iGen generation satisfaction. Accordingly, the effect size test shows ( $f^2 = 0.597$ ) that customer trust contributes significantly to iGen generation satisfaction. For the ninth hypothesis, statistical test results show that customer trust positively and substantially influences customer loyalty ( $\beta = 0.466$ ,  $p < 0.05$ ). Furthermore, customer trust has a 47 percent influence on customer loyalty; its effect size ( $f^2 = 0.235$ ) is moderate. (Sarstedt et al., 2017).

### Customer Satisfaction as a Mediator

To analyze the mediating functions of customer satisfaction, three exogenous variables (culture, loyalty programs, customer trust) and endogenous variables (customer loyalty), we use a bootstrapping approach (Preacher and Hayes, 2008). As a first step, the path model is estimated using a bootstrapping procedure; the result is presented in table 6. Bootstrapping results reveal that the direct

path of quality of service, culture, loyalty programs, and customer trust to customer loyalty is significant. Thus, the insertion of customer satisfaction as a mediating variable is meaningful. Verifying the mediating function should meet the stipulation that all the indirect effects are significant. The study implemented a bootstrapping procedure by including Customer Satisfaction, as shown in Table 7. Meanwhile, the indirect path  $t$  value was obtained by dividing the indirect influence value by the standard deviation; the result is shown in Table 8.

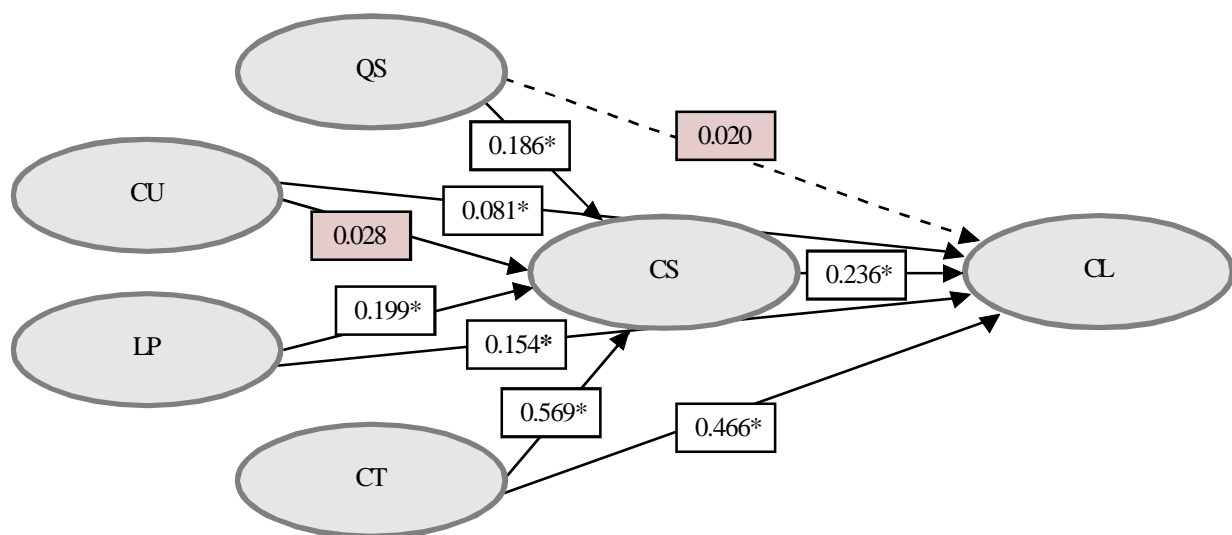
Regarding the fourth hypothesis, it was found that both direct and indirect relationships between quality service and customer loyalty were insignificant. Therefore, hypothesis 4 is accepted. Concerning the seventh hypothesis, as indicated in table 10, the indirect path ( $CA \rightarrow CS \rightarrow CL$ )  $t$  value = 0.750, with its  $p$ -value = 0.458 insignificant. Hence, it can be decided that customer satisfaction does not play as a mediation variable. Meanwhile, the seventh hypothesis is rejected. The tenth hypothesis examination showed that the  $t$  value of the path ( $LP \rightarrow CS \rightarrow CL$ ) = 2,831 with a  $p$ -value = 0.005, indicating that customer satisfaction plays a mediator in the relationships between loyalty programs and customer loyalty. Hence the tenth hypothesis is accepted. The hypothesis thirteenth the testing results reveal that  $t$  value = 3,268 of the indirect path ( $C.T. \rightarrow C.S. \rightarrow CL$ ) with  $p$ -value = 0.001 proves that customer satisfaction plays a mediating role in customer trust and loyalty.

Therefore, the thirteenth hypothesis is accepted. Finally, we must assess the mediation's strength if there was a significant indirect. Hair et al. (2017) recommended measuring thorough variance accounted for (VAF). The result showed that customer satisfaction is explained by 23.4 percent of the impact of loyalty programs on customer loyalty. As the VAF value is above 20 percent and below 80 percent, customer satisfaction is a partial mediator (Hair et al., 2017). The result also reveals that 85.5 percent of customer trust's effect on customer loyalty is described by customer satisfaction. Given that the value is above 80 percent, the customer satisfaction is a full mediator in customer trust and loyalty.

### Empirical Model of iGen Customer Loyalty

As we present in Figure 2, the structural model assessment results show the predicted path, t-value, accepted and rejected hypothesis, and t-value. Service quality does not significantly affect customer loyalty, but it significantly affects customer satisfaction, and therefore customer satisfaction explains the relationship between service quality and customer loyalty. Meanwhile, culture greatly influences customer loyalty, and there is no role played by customer satisfaction as a mediator. Customer trust has a significant and indirect influence on customer loyalty, and customer satisfaction acts as a full mediator in the relationship between customer trust and loyalty.

Overall, the  $R^2$  of customer loyalty and satisfaction was 0.710 and 0.728, respectively. These figures show that 71% of customer loyalty is due to service quality, culture, loyalty programs, customer trust, and customer satisfaction. On the other hand,  $R^2 = 0.728$  shows that 72.8% of customer satisfaction is due to service quality, culture, loyalty programs, and customer trust. Global Goodness-of-Fit (GoF) was calculated by the formula created by (Tenenhaus et al., 2005), exceeding the  $GoF > 0.36$  threshold suggested by (Wetzels et al., 2009). Thus, the study concluded that the research model has good GoF. In line with those explanations, empirical models of iGen generation loyalty in Indonesia's mobile services are presented in figure 2.



Note: Q.S. = quality of service; C.U. = Culture; L.P. = Loyalty Programs; C.T. = Customer Trust; C.S. = Customer Satisfaction; CL = Customer Loyalty.

Figure 2. The Empirical Model of iGen Loyalty

### DISCUSSION

The empirical results reveal that the quality of cellular services perceived by iGen customers does not significantly impact customer loyalty. Fernandes and Solimun (2016) and Calvo-Porrall and Nieto-Mengotti, (2019) reported that their research in Indonesia and Spain supported it. In contrast, this is

not supported by Aydin and Özer (2005); Tabaku and Çerri (2015); Hafez and Akther (2017). The possible explanation is the differences in targeted respondents. Another empirical evidence indicates that service quality significantly influences customer satisfaction, reinforcing evidence found by Chinomona and Sandada (2013) and Siddiqi (2011).

Furthermore, this study found that customer satisfaction fully mediated the relationship between service quality and customer loyalty. It is consistent with Kim et al. (2016) and Hafez and Akther's (2017) findings. So cellular service providers need to ensure the quality of cellular service. Good service can be responsible for customer satisfaction and create customer loyalty.

The result also indicates that culture insignificantly influenced customer satisfaction, similar to evidence discovered by Wiese and Krüger (2016) in Germany. However, this evidence is incongruent with some evidence. Njeru and Cheruiyot (2019) reported that their work was in different objects from the current one. On the other hand, culture significantly influences customer loyalty, in line with Malik and Ramay (2017) and Tarhani and Janfadaei (2017). Hence culture affects customer loyalty directly only without any mediation of customer satisfaction. This finding contributes to cellular service providers' owners when considering culture in designing strategies to develop and maintain iGen's loyalty.

Empirical tests found a positive and significant influence of loyalty programs on customer satisfaction and customer loyalty, and this result is similar to the previous research by Waari et al. (2018) and Sugianti (2017). Customer satisfaction acts as a mediator between loyalty programs and customer loyalty. This finding provides valuable information to cellular service providers in designing a promotion strategy to retain iGen customer loyalty.

Customer trust affected customer satisfaction positively and significantly. These findings supported previous studies conducted by Aslam et al. (2018) and Bricci et al. (2016). Trust's impact on customer satisfaction is more significant than other variables, which strongly influence customer satisfaction. It is in line with Chinomona and Sandada (2013); Hafez and Akther (2017), and Aslam et al. (2018). It implies that cellular service providers can achieve a higher level of customer loyalty to maintain a higher customer trust level. In terms of customer satisfaction as a mediator, this study empirically supports the relationship between customer trust and customer loyalty.

## CONCLUSIONS

The iGen model's findings reported that the function of iGen customer satisfaction in creating customer loyalty is very dominant, referring to the mobile telecommunication service. Meanwhile, each marketing variable function has a different role in model building. Service quality, culture, loyalty programs, and trust are direct predictors of loyalty programs. Hence, the critical thing to be noted is that the telecommunications industry's loyalty program is carried out by retailers from one region to another in Indonesia. Especially to host the digital market, each customer suggests a quality provider. At this point, trust in the brand will guarantee a loyalty program carried out by providers in a competitive manner. The iGen customer culture will be a differentiator for future marketing because of the number and firm culture of using internet connection. In this regard, internet service providers have recently linked loyalty programs with iGen culture, which will increasingly determine customer loyalty in the future.

## RECOMMENDATIONS

These findings suggest a critical role of customer trust in cellular service providers. Hence, providers should build strong customer trust when building strategies and maintaining iGen customer loyalty, particularly in the Indonesian cellular services context.

## LIMITATIONS

This research was only carried out in 10 provincial capitals out of 34 provinces in Indonesia, so it does not fully describe iGen in Indonesia. This study has a limited number of respondents; the results of this study can provide significance in determining a model of consumer loyalty. The further research can also be recommended to add the number of respondents throughout the provincial capital areas in Indonesia and use mixed-method research (quantitative and qualitative approaches) to obtain results that can be more accurate and precise. Moreover, the research finding can generally be applied to mobile communication services.

## REFERENCES

- Al-Aali, A., Khurshid, M. A., Nasir, N. M., and Al-Aali, H. 2011. *Measuring the Service Quality of Mobile Phone Companies in Saudi Arabia*. King Saud University Journal-Administrative Sciences, 22(2), pp. 43–55.
- Al Hawari, M., Ward, T., and Newby, L. 2009. *The Relationship between Service Quality and Retention within the Automated and Traditional Contexts of Retail Banking*. Journal of Service Management, 20(4), 455–472. DOI: doi:10.1108/0956423091097853.
- Aslam, W., Arif, I., Farhat, K., and Khursheed, M. 2018. *The Role of Customer Trust, Service Quality and Value Dimensions in Determining Satisfaction and Loyalty: An Empirical Study of Mobile Telecommunication Industry in Pakistan*. Market-Tržište, 30(2), pp. 177–194.
- Aydin, S. and Özer, G. 2005. *The Analysis of Antecedents of Customer Loyalty in the Turkish Mobile Telecommunication Market*. European Journal of Marketing, 39(1), pp. 1–15.
- Birch-Jensen, A., Gremyr, I., and Halldórsson, Á. 2021. *Absorptive Capacity as an Enabler for Service Improvements “ The Role of Customer Satisfaction Information Usage*. Total Quality Management and Business Excellence (Vol. 32, Issues 15–16, pp. 1651–1665). DOI: <https://doi.org/10.1080/14783363.2020.1761786>.
- Bitner, M. J. 1990. *Evaluating Service Encounters; The Effects of Physical Surroundings and Employee Responses*. Journal of Marketing, Vol. 54 (April), pp. 69–82.
- Boohene, R. and Agyapong, G. K. Q. 2011. *Analysis of the Antecedents of Customer Loyalty of Telecommunication Industry in Ghana: The Case of Vodafone (Ghana)*. International Business Research, 4(1), pp. 229–240.
- Bose, S. and Rao, V. G. 2011. *Perceived Benefits of Customer Loyalty Programs: Validating the Scale in the Indian Context*. Management and Marketing, 6(4).
- Bricci, L., Fragata, A., and Antunes, J. 2016. *The Effects of Trust, Commitment, and Satisfaction Affect Customer Loyalty in the Distribution Sector*. Journal of Economics, Business, and Management, 4(2), pp. 173–177.
- Calvo-Porrá, C. and Nieto-Mengotti, M. 2019. *The Moderating Influence of Involvement with ICTs in Mobile Services*. Spanish Journal of Marketing-ESIC.
- Chinomona, R. and Sandada, M. 2013. *Predictors of Customer Loyalty to the Mobile Service Provider in South Africa*. International Business and Economics Research Journal (IBER), 12(12), pp. 1631–1644.
- Chen, C. F. and Cheng, L. T. 2012. *A Study on Mobile Phone Service Loyalty in Taiwan*. Total Quality Management and Business Excellence, Vol. 23 Nos 7/8, pp. 807–819.
- Chiou, J. S. and Droge, C. 2006. *Service Quality, Trust, Specific Asset Investment, and Expertise: Direct and Indirect Effects in a Satisfaction-Loyalty Framework*. Journal of the Academy of Marketing Science, 34(4), pp. 613–627.
- Clemes, M. D., Gan, C. E. C., and Kao, T. H. 2008. *University Student Satisfaction: An Empirical Analysis*. Journal of Marketing for Higher Education, 17(2), pp. 292–325. DOI: doi:10.1080/08841240801912831.
- Clemes, M. D., Gan, C., and Ren, M. 2010. *Synthesizing the Effects of Service Quality, Value, and Customer Satisfaction on Behavioral Intentions in the Motel Industry*. Journal of Hospitality and Tourism Research, 35(4), pp. 530–568. DOI: doi:10.1177/1096348010382239.
- Clemes, M. D., Brush, G. J., and Collins, M. J. 2011. *Analysing the Professional Sports Experience: A Hierarchical Approach*. Sport Management Review, 14(4), pp. 370–388. DOI: doi:10.1016/j.smr.2010.12.004.
- Czepiel, J. A. 1990. *Service Encounters and Service Relationships: Implications for Research*. Journal of Business Research, 20(1), pp. 13–21. DOI: [https://doi.org/10.1016/0148-2963\(90\)90038-F](https://doi.org/10.1016/0148-2963(90)90038-F).
- Dabholkar, P. A. and Sheng, X. 2012. *Consumer Participation in Online Recommendation Agents affects Satisfaction, Trust, and Purchase Intentions*. The Service Industries Journal, 32(9), pp. 1433–1449.
- Dagger, T. S., Sweeney, J. C., and Johnson, L. W. 2007. *A Hierarchical Model of Health Service Quality: Scale Development and Investigation of an Integrated Model*. Journal of Service Research, 10(2), pp. 123–142.
- Daniel, M., Xin, C., Christopher, S., Daniel, M., Xin, C., and Christopher, S. 2014. *Mobile Communications: A Comprehensive Hierarchical Modeling Approach*. Asia Pacific Journal of Marketing and Logistics, 26(1), pp. 114–146. DOI: <https://doi.org/10.1108/APJML-04-2013-0040>.
- Deng, Z., Lu, Y., Wei, K. K., and Zhang, J. 2010. *Understanding Customer Satisfaction and Loyalty: An Empirical Study of Mobile Instant Messages in China*. International Journal of Information Man-

- agement, 30(4), pp. 289–300. DOI: doi:10.1016/j.ijinfomgt.2009.10.0.
- Diallo, M. F., Diop-Sall, F., Djelassi, S., and Godefroit-Winkel, D. 2018. *How Shopping Mall Service Quality affects Customer Loyalty across Developing Countries: The Moderation of the Cultural Context*. Journal of International Marketing, 26(4), pp. 69–84.
- Dorotic, M., Bijmolt, T. H. A., and Verhoef, P. C. 2012. *Loyalty Programs: Current Knowledge and Research Directions*. International Journal of Management Reviews, 14(3), pp. 217–237.
- Donio, J., Massari, P., and Passiante-Dabho, G. 2006. *Customer Satisfaction and Loyalty in a Digital Environment: An Empirical Test*. Journal of Consumer Marketing, Vol. 23 No. 7, pp. 445–57.
- Edward, M. and Sahadev, S. 2011. *Role of Switching Costs in the Service Quality, Perceived Value, Customer Satisfaction, and Customer Retention Linkage*. Asia Pacific Journal of Marketing and Logistics, Vol. 23 No. 3, pp. 327–345.
- El-Adly, M. I. and Eid, R. 2016. *An Empirical Study of the Relationship between Shopping Environment, Customer Perceived Value, Satisfaction, and Loyalty in the UAE Malls Context*. Journal of Retailing and Consumer Services, 31, pp. 217–227.
- Erbschloe, M. 2017. *Threat Level Red: Cybersecurity Research Programs of the U.S. Government*. CRC Press.
- Evanschitzky, H., Iyer, G., Plassmann, H., Niessing, J., and Meffert, H. 2006. *The Relative Strength of Affective Commitment in Securing Loyalty in Service Relationships*. Journal of Business Research, Vol. 59 No. 12, pp. 1207–1213.
- Fernandes, A. A. R. and Solimun, S. 2016. *The Effect of Correlation between Responses in Bi-Response Nonparametric Regression using Smoothing Spline for Longitudinal Data*. Communications in Applied Analysis, 20(3).
- Gerpott, T. J., Rams, W., and Schindler, A. 2001. *Customer Retention, Loyalty, and Satisfaction in the German Mobile Cellular Telecommunications Market*. Telecommunication Policy, 25(4), pp. 249–269.
- Ghozali, I. and Latan, H. 2015. *Partial Least Squares. Konsep, Teknik dan Aplikasi Menggunakan Program SmartPLS*, 3.
- Gul, R. 2014. *The Relationship between Reputation, Customer Satisfaction, Trust, and Loyalty*. Journal of Public Administration and Governance, 4(3), pp. 368–387.
- Gustafsson, A., Johnson, M. D., and Roos, I. 2005. *The Effects of Customer Satisfaction, Relationship Commitment Dimensions, and Triggers on Customer Retention*. Journal of Marketing, Vol. 69 No. 4, pp. 210–218.
- Hair, J. F., Hult, G. T. M., Ringle, C. M., Sarstedt, M., and Thiele, K. O. 2017. *Mirror, Mirror on the Wall: A Comparative Evaluation of Composite-Based Structural Equation Modeling Methods*. Journal of the Academy of Marketing Science, 45(5), pp. 616–632.
- Hafez, M. and Akther, N. 2017. *Determinants of Customer Loyalty in Mobile Telecommunication Industry in Bangladesh*. Global Journal of Management And Business Research.
- Haskett, K. 2011. *Abundance and Movement of the Texas Diamondback Terrapin in the Deer Island Complex, Galveston, Texas*. The University of Houston-Clear Lake.
- Henseler, J., Ringle, C. M., and Sarstedt, M. 2014. *A New Criterion for Assessing Discriminant Validity in Variance-Based Structural Equation Modeling*. Journal of the Academy of Marketing Science, 43(1), pp. 115–135. DOI: <https://doi.org/10.1007/s11747-014-0403-8>.
- Herring, J. and Thompson, L. 2013. *Learn the Art of Logic and Persuasion (Collection)*. F.T. Press.
- Hofstede, G. 2011. *Dimensionalizing Cultures: The Hofstede Model in Context*. Online Readings in Psychology and Culture, 2 (1), pp. 1–26.
- Hur, W. M., Park, J., and Kim, M. 2010. *The Role of Commitment on the Customer Benefits-Loyalty Relationship in the Mobile Service Industry*. The Service Industries Journal, Vol. 30 No. 14, pp. 2293–2309.
- Jahanzeb, S., Fatima, T., and Khan, M. B. 2011. *An Empirical Analysis of Customer Loyalty in Pakistan's Telecommunication Industry*. Journal of Database Marketing and Customer Strategy Management, 18(1), pp. 5–15. DOI: 10.1057/dbm.2011.2.
- Izogo, E. E. 2015a. *Determinants of Attitudinal Loyalty in Nigerian Telecom Service Sector: Does Commitment Play a Mediating Role?*. Journal of Retailing and Consumer Services, Vol. 23, March, pp. 107–117.
- Jacoby, J. and Chestnut, R. W. 1978. *Brand Loyalty: Measurement and Management*. John Wiley, New York, NY.
- Kandampully, J., Zhang, T. C., and Bilgihan, A. 2015. *Customer Loyalty: A Review and Future Directions*

- Focusing on the Hospitality Industry*. International Journal of Contemporary Hospitality Management.
- Karim, R. and Chowdhury, T. 2014. *Customer Satisfaction on Service Quality in Private Commercial Banking Sector in Bangladesh*. British Journal of Marketing Studies, 2(2), pp. 1-11.
- Kaur, H. and Soch, H. 2012. *Validating Antecedents of Customer Loyalty for Indian Cell Phone Users*. Vikalpa, Vol. 37 No. 4, pp. 47-61.
- Kim, M. K., Wong, S. F., Chang, Y., and Park, J. H. 2016. *Determinants of Customer Loyalty in the Korean Smartphone Market: Moderating Effects of User Characteristics*. Telematics and Informatics, 33(4), pp. 936-949.
- Kishada, Z. M. E. and Wahab, N. A. 2013. *Factors Affecting Customer Loyalty in Islamic Banking: Evidence from Malaysian Banks*. International journal of business and social science, 4(7), pp. 264-273.
- Kumar, V., Batista, L., and Maull, R. 2011. *The Impact of Operations Performance on Customer Loyalty*. Service Science, 3(2), pp. 158-171. DOI:10.1287/serv.3.2.158.
- Kuo, Y. F., Wu, C. M., and Deng, W. J. 2009. *The Relationships among Service Quality, Perceived Value, Customer Satisfaction, and Post-Purchase Intention in Mobile Value-Added Services*. Computers in Human Behavior, 25(4), pp. 887-896. DOI: 10.1016/j.chb.2009.03.003.
- Lai, F., Griffin, M., and Babin, B. J. 2009. *How Quality, Value, Image, and Satisfaction Create Loyalty at a Chinese Telecom*. Journal of Business Research, Vol. 62 No. 10, pp. 980-986.
- Lanier, K. 2017. *5 Things H.R. Professionals Need to Know about Generation Z*. Strategic H.R. Review, 16, pp. 288-290.
- Lee, J., Lee, J., and Feick, L. 2001. *The Impact of Switching Costs on the Customer Satisfaction Loyalty Link: Mobile Phone Service in France*. Journal of Services Marketing, Vol. 15 No. 1, pp. 35-48. DOI: <https://doi.org/10.1108/08876040110381463>.
- Leninkumar, V. 2017. *The Relationship between Customer Satisfaction and Customer Trust on Customer Loyalty*. International Journal of Academic Research in Business and Social Sciences, 7(4), pp. 450-465.
- Lim, H., Widdows, R., and Park, J. 2006. *M Loyalty: Winning Strategies for Mobile Carriers*. Journal of Consumer Marketing, Vol. 23. Issue: 4, pp. 208-218. DOI: <https://doi.org/10.1108/07363760610674338>.
- Liu, H., Chu, H., Huang, Q., and Chen, X. 2016. *Enhancing the Flow Experience of Consumers in China through Interpersonal Interaction in Social Commerce*. Computers in Human Behavior, 58, pp. 306-314. DOI: 10.1016/j.chb.2016.01.012.
- Madjid, R. 2013. *Customer Trust as Relationship Mediation between Customer Satisfaction and Loyalty at Bank Rakyat Indonesia (BRI) Southeast Sulawesi*. The International Journal of Engineering and Science, 2(5), pp. 48-60.
- Malik, N. and Ramay, M. I. 2017. *Impact of Culture on Customer Loyalty: A Gender-Based Comparison in Higher Education Institutions of Islamabad Pakistan*.
- Mimouni-Chaabane, A. and Volle, P. 2010. *Perceived Benefits of Loyalty Programs: Scale Development and Implications for Relational Strategies*. Journal of Business Research, 63(1), pp. 32-37.
- Moreira, A. C., Silva, P. M., and Moutinho, V. F. 2016. *Differences between Stayers, Switchers, and Heavy Switchers*. Marketing Intelligence and Planning, 34(6), pp. 843-862. DOI:10.1108/mip-07-2015-0128.
- Morgan, R. M. and Hunt, S. D. 1994. *The Commitment-Trust Theory of Relationship Marketing*. Journal of Marketing, Vol. 58, July, pp. 20-38.
- Murali, S., Pugazhendhi, S., and Muralidharan, C. 2016. *Modeling and Investigating the Relationship of After-Sales Service Quality with Customer Satisfaction, Retention, and Loyalty—A Home Appliances Business Case Study*. Journal of Retailing and Consumer Services, 30, pp. 67-83.
- Njeru, L. M., Cheruiyot, T. K., and Maru, L. 2019. *Effect of Service Quality on Customer Loyalty in Selected African Airlines*.
- Ozkan, M. and Solmaz, B. 2015. *Mobile Addiction of Generation Z and its Effects on their Social Lives*. Procedia - Social and Behavioral Sciences, 205 (May), pp. 92-98. DOI: <https://doi.org/10.1016/j.sbspro.2015.09.027>.
- Parahoo, S. K., Al-Nakeeb, A., and Onagun, I. 2015. *We Are Whom We Are: Incorporating Individual Culture in Customer Satisfaction Models*. Journal of Financial Services Marketing, 20(3), pp. 220-230.
- Parasuraman, A., Zeithaml, V. A., and Berry, L. L. 1985. *A Conceptual Model of Service Quality and its Implications for Future Research*. Journal of Marketing, Vol. 49 No. 4, pp. 41-50.
- Parasuraman, A., Zeithaml, V. A., and Berry, L. L. 1988. *A Multiple-Item Scale for Measuring Consumer Perceptions of Service Quality*. Journal of Retailing, Vol. 64 No. 1, pp. 12-40.
- Pollack, S. 2014. *Disrupted, From Gen Y to iGen: Communicating with The Next Generation*. Pacific Coast Creative Publishing.

- Preacher, K. J. and Hayes, A. F. 2008. *Asymptotic and Resampling Strategies for Assessing and Comparing Indirect Effects in Multiple Mediator Models*. Behavior Research Methods, 40(3), pp. 879–891.
- Qadri, U. A. and Khan, M. M. S. 2014. *Factors Affecting on Customer Retention: A Case Study of Cellular Industry of Pakistan*. International Journal of Recent Research in Commerce Economics and Management, 1(1), pp. 1-22.
- Ranaweera, C. and Prabhu, J. 2003. *The Influence of Satisfaction, Trust and Switching Barriers on Customer Retention in a Continuous Purchasing Setting*. International Journal of Service Industry Management, Vol. 14 No. 4, pp. 374-95.
- Rauyruen, P. and Miller, K. E. 2007. *Relationship Quality as a Predictor of B2B Customer Loyalty*. Journal of Business Research, Vol. 60 No. 1, pp. 21-31.
- Réalé Sancha, I. 2017. *The Impact of Cultures on Customer Service*. (Doctoral dissertation).
- Reichheld, F. F. and Schefter, P. 2000. *E-Loyalty: Your Secret Weapon on the Web*. Harvard Business Review, 78(4), pp. 105-113.
- Roblek, V., Mesko, M., Dimovski, V., and Peterlin, J. 2019. *Smart Technologies as Social Innovation and Complex Social Issues of the Z Generation*. Kybernetes.
- Rousseau, D., Sitkin, S., Burt, R., and Camerer, C. 1998. *Not So Different At All: A Cross-Discipline View of Trust*. Academy of Management Review, Vol. 23, pp. 393-404.
- Sarstedt, M., Ringle, C. M., and Hair, J. F. 2017. *Treating Unobserved Heterogeneity in PLS-SEM: A Multi-Method Approach*. In Partial Least Squares Path Modeling (pp. 197-217). Springer, Cham.
- Siddiqi, K. O. 2011. *Interrelations between Service Quality Attributes, Customer Satisfaction and Customer Loyalty in the Retail Banking Sector in Bangladesh*. International Journal of Business and Management, 6(3), pp. 12.
- Smalej, O. 2017. *Analysis of Purchasing Decisions Made by the Generation Z Consumers*. Management Challenges in a Network Economy: Proceedings of the MakeLearn and TIIM International Conference 2017, May, pp. 331–335.
- Stathopoulou, A. and Balabanis, G. 2016. *The Effects of Loyalty Programs on Customer Satisfaction, Trust, and Loyalty Toward High- and Low-End Fashion Retailers*. Journal of Business Research. DOI: <https://doi.org/10.1016/j.jbusres.2016.04.177>.
- Sugiati, T. 2017. *The Mediation Role of Customer Satisfaction on Loyalty*. Journal of Engineering and Applied Sciences, 12(18), pp. 4715-4719.
- Sweeney, J. and Swait, J. 2008. *The Effects of Brand Credibility on Customer Loyalty*. Journal of Retailing and Consumer Services, Vol. 15 No. 3, pp. 179-193.
- Tabaku, E. and Çerri, S. 2015. *An Empirical Investigation of Customer Loyalty in Telecommunication Industry in Albania*. Mediterranean Journal of Social Sciences, 6(1 S1), pp. 224.
- Takahashi, T. 2011. *Japanese Youth and Mobile Media*. In Deconstructing Digital Natives (pp. 67-82). Routledge.
- Tarhani, F., and Janfadaei, S. 2017. *Study of the Effect of Culture on Customer Loyalty on the Target Markets for Successful Export*. Rev. Eur. Stud., 9, pp. 148.
- Tarus, D. K. and Rabach, N. 2013. *Determinants of Customer Loyalty in Kenya: Does Corporate Image Play a Mediating Role?*. The TQM Journal, Vol. 25 No. 5, pp. 473-491.
- Tenenhaus, M., Vinzi, V. E., Chatelin, Y. M., and Lauro, C. 2005. *PLS Path Modeling*. Computational Statistics and Data Analysis, 48(1), pp. 159-205.
- Twenge, J. M. 2017. *iGen: Why Today's Super-Connected Kids are Growing Up Less Rebellious, More Tolerant, Less Happy—and Completely Unprepared for Adulthood—and What that Means for the Rest of Us*. Simon and Schuster.
- Waari, D., Bonuke, R., and Kosgei, D. 2018. *Loyalty Programs Benefits and Customer Loyalty: The Mediating Role of Customer Satisfaction*. International Journal of Commerce and Management, 6(4), pp. 726-737.
- Wang, Y. S., Wang, Y. M., Lin, H. H., and Tang, T. I. 2003. *Determinants of User Acceptance of Internet Banking: An Empirical Research*. International Journal of Bank Marketing, Vol. 14 No. 5, pp. 501-19.
- Wei, L. 2011. *Moment Analysis and Translanguaging Space: Discursive Construction of Identities by Multilingual Chinese Youth in Britain*. Journal of Pragmatics, 43(5), pp. 1222–1235.
- Wetzels, M., Odekerken-Schröder, G., and Van Oppen, C. 2009. *Using PLS Path Modeling for Assessing Hierarchical Construct Models: Guidelines and Empirical Illustration*. MIS Quarterly, pp. 177-195.
- Wiese, M. and Kruger, L. 2016. *Parental Influence on Consumer and Purchase Behaviour of Generation Y*. Journal of Consumer Sciences, pp. 44.
- Woo, K. S. and Fock, H. K. Y. 1999. *Customer Satisfaction in the Hong Kong Mobile Phone Industry*. The Service Industries Journal, 19(3), pp. 162–174.
- Woodruff, R. B. and Gardial, S. F. 1996. *Know Your Customer: New Approaches to Understanding Customer*.

- tomers Value and Satisfaction*. Cambridge, MA: Blackwell Publishers, Inc.
- Wu, H. C. and Ai, C. H. 2016. *Synthesizing the Effects of Experiential Quality, Excitement, Equity, Experiential Satisfaction on Experiential Loyalty for the Golf Industry: The Case of Hainan Island*. *Journal of Hospitality and Tourism Management*, 29, pp. 41–59.
- Yoo, B., Donthu, N., and Lenartowicz, T. 2011. *Measuring Hofstede's Five Dimensions of Cultural Values at the Individual Level: Development and Validation of CVSCALE*. *Journal of International Consumer Marketing*, 23(3-4), pp. 193-210.
- Zeithaml, V. A., Berry, L. L., and Parasuraman, A. 1996. *The Behavioral Consequences of Service Quality*. *Journal of Marketing*, 60(2), pp. 31-46.
- Zhang, H., Lu, Y., Gupta, S., Zhao, L., Chen, A., and Huang, H. 2014. *Understanding the Antecedents of Customer Loyalty in the Chinese Mobile Service Industry: A Push-Pull-Mooring Framework*. *International Journal of Mobile Communications*, 12(6), pp. 551–577.