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# EXPLORING THE ADOPTION OF DIGITAL WALLETS AMONG ISLAMIC MILLENNIALS IN YOGYAKARTA, INDONESIA USING AN EXTENDED UTAUT MODEL: THE ROLE OF ISLAMIC CONSUMPTION ETHICS

## ANTON PRIYO NUGROHO<sup>1</sup>, DHIYAUL AULIA ZULNI<sup>2</sup>, & YULI ANDRIANSYAH<sup>3</sup>

<sup>1</sup>Lecturer, Department of Islamic Studies (Master), Universitas Islam Indonesia, Indonesia

<sup>2</sup>Student, Department of Islamic Studies (Master), Universitas Islam Indonesia, Indonesia

<sup>3</sup>Lecturer, Department of Islamic Economics (Bachelor), Universitas Islam Indonesia, Indonesia & Student,

Department of Economics (Doctor), Universitas Islam Indonesia, Indonesia

E-mail: <sup>1</sup>priyo.nugroho@uii.ac.id, <sup>2</sup>18913050@students.uii.ac.id, <sup>3</sup>yuliandriansyah@uii.ac.id

### ABSTRACT

The rapid advancement of technology is closely associated with the millennial generation, often referred to as the internet generation, nexters, or echo boomers. Compared to previous generations, the Islamic millennial generation exhibits a greater openness towards technology, particularly in embracing digital wallets for financial transactions. However, concerns arise regarding the potential impact of technological characteristics on the consumer ethics of Islamic millennials. To address this, the present study aims to explore the role of Islamic consumption in the utilization of digital wallets within the Unified Theory of Acceptance and Use of Technology (UTAUT) model. The study was conducted online, with a sample of 225 respondents from the Islamic millennial generation in Yogyakarta, selected through purposive sampling. The data analysis employed Partial Least Squares Structural Equation Modeling (PLS-SEM). The findings indicate that performance expectancy, effort expectancy, and social influence positively influence the willingness of the Islamic millennial generation to adopt digital wallets. However, facilitating conditions and consumption ethics in Islam do not emerge as significant factors in determining the behavior of the Islamic millennial generation. This finding is noteworthy as it provides guidance for the adoption of digital wallets among millennials in Yogyakarta to prioritize product benefits, service quality, and social engagement rather than religious factors. From an Islamic consumption ethics perspective, this finding presents a challenge regarding the importance of educating Islamic values in consumption among millennials in Yogyakarta.

**Keywords:** Islamic Consumption Ethics, Millennial Generation, Digital Wallet, UTAUT Model, Structural Equation Model

### 1. INTRODUCTION

The Covid-19 pandemic hit Indonesia and most other parts of the world, forcing all people to carry out the Large-Scale Social Restriction (PSBB) program to minimize physical contact, including transactions. Therefore, people are becoming more familiar with cashless purchases, which helps increase digital transactions in Indonesia. According to statistics acquired from an independent market study company operated by professional specialists (IPSOS) in 2020, Indonesian consumers have widely adopted digital wallets due to the numerous conveniences offered by vendors [1]. Furthermore, the government has initiated a national non-cash movement, aiming to serve as a catalyst in the formation of a cashless society in Indonesia [2]. As a result, more non-cash transactions will reduce the level of demand for currency and accelerate money circulation [3]–[6].

The digital wallet is a freely available application, accessible on the Play Store for Android and the App Store for iOS. In 2018, the digital wallet market in Indonesia reached a value of IDR 21 trillion [7]. Until 2020, the market has continued to innovate with the presence of more than 15 vendors, including Dana, T-Cash, Mandiri E-Cash, Sakuku, Shopee-Pay, OVO, Go-Pay, and others. The primary target demographic for these digital wallet services is the younger generation, specifically those between the ages of 25 and 29, with a remarkable penetration rate

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of up to 81 percent among millennials in general [1]. Targeting the millennial generation is primarily based on their characteristics as a more adaptive and technologically responsive cohort compared to their parents, making them an ideal demographic for digital wallet services [8]–[11]. Furthermore, they prefer transitioning from conventional transaction methods to online platforms due to their prioritization of practicality above all other factors [12], [13]. Until 2020, the millennial generation in Yogyakarta city exhibited a preference for online purchasing transactions, constituting approximately 42 percent of the 113,000 millennials in Indonesia [14].

This generation believes that utilizing digital wallets has a positive impact on today's society, especially during transaction activities, due to its practicality in facilitating the transition to a cashless society and providing access to appealing promotions [15]–[20]. However, the growing volume of digital wallet transactions can have a negative impact on consumption due to the increased emphasis on practical service features.

Islam is a guide in all aspects of life, including consumption, whose ethics are based on needsoriented towards maslahah to realize magashid sharia [21], [22]. Consumption should be good, lawful, delicious, and not excessive or israf [22]-[25]. Therefore, the principles of Islamic consumption ethics should guide the Muslim millennial generation. Several studies examined the relationship between the ethics and consumption behavior in various fields [26]-[29]. However, to some extends, previous research on ethics and consumption haven't employed a popular theory of acceptance and use of a technology called the Unified Theory of Acceptance and Use Technology (UTAUT). Studies using UTAUT have been widely carried out in various fields such as mobile banking [30]–[32], internet banking [33]–[36], e-wallet [37]– [40] and others.

The current study utilized the Unified Theory of Acceptance and Use of Technology (UTAUT) framework, incorporating additional predictors to enhance predictive capabilities. Yogyakarta, renowned for its high concentration of millennials engaging in digital shopping transactions, was selected as the research site. In line with the aspiration for a cashless society, the local government has introduced a digital payment application known as "JogjaKita." This application offers a wide array of exceptional services, including JogjaRide, JogjaCar, JogjaShop, and JogjaSend, which cater to online transportation needs. Additionally, it encompasses over 500 payment options, encompassing electricity, water, Indihome, plane and train tickets, credit purchases, data packages, and online gaming [41], [42].

# 2. LITERATURE REVIEW

UTAUT theory explains how the acceptance and use of the technology model were adapted from Venkatesh et al. in 2003. This theory begins with Behavioral Intention. The intention is a new response in facing an entirely new concept from previous experiences. This situation involves an adoption process, including the stages of accepting or rejecting the presence of new things. After going through the phase of behavioral intention, the individual will face a new behavior or habit adopted, which is commonly referred to as user behavior.

In UTAUT, four factors influence intention to use technological facilities: performance expectancy, effort expectancy, social influence, and facilitating conditions.

# 2.1 Performance Expectancy

Performance expectancy is a significant factor wherein potential users anticipate the benefits of technology to enhance and simplify their work activities. They expect that by utilizing technology, their tasks can be accomplished more easily. This includes work activities that are supported by advanced technological tools, which are believed to boost human productivity in the workplace [43], [44]. In using a new information system technology, performance expectancy variable has also been supported by several previous studies [45]-[48]. Therefore, the higher the performance expectancy  $(X_1)$ , the higher the behavioral intention  $(Y_1)$ towards information technology and system. Based on this description, the hypothesis is proposed as follow:

H1= Performance Expectancy  $(X_1)$  has a positive influence on the Behavioral Intention of the Islamic millennial generation in using digital wallets  $(Y_1)$ .

# 2.2 Effort Expectancy

In terms of effort expectancy, potential users within the academic community aim to utilize technology to reduce the effort required for their work. They anticipate that technology will enable them to save time and eliminate unnecessary hassle, similar to the convenience offered by previous models. The effort expectancy variable has also been

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supported by several previous studies [49]-[51]. It was stated that the fulfillment of effort expectancy  $(X_2)$  will in-fluence a behavioral intention  $(Y_1)$  to start using technology and information systems. Subsequently, the hypothesis is proposed as follow:  $H2 = Effort Expectancy (X_2)$  has a positive influence on the Behavioral Intention of the Islamic millennial generation in using digital wallets  $(Y_1)$ .

## 2.3 Social Influence

Social influence plays a crucial role as a factor influencing potential users' intention to adopt the new system in their daily lives. This is driven by the simultaneous change in the social environment, as it adapts to the utilization of the new system. The relation of social influence to behavioral intention has also been supported by several previous studies [52]–[56]. It was stated that the more significant the social influence  $(X_3)$ , the higher the behavioral intention (Y<sub>1</sub>) to start using technology and information systems. Then, the hypothesis is proposed as follow:

 $H3 = Social Influence (X_3)$  has a positive influence on the Behavioral Intention of the Islamic millennial generation in using digital wallets  $(Y_1)$ .

# 2.4 Facilitating Conditions

In the context of utilizing a new system in the workplace, it is important to have diverse supportive resources available to facilitate the development of distinct behavioral patterns. Previous research further substantiates the correlation between facilitating conditions and use behavior [57]-[59]. It was found that the presence of supporting facilitating conditions (X<sub>4</sub>) promotes an individual to have new habits in using information system technology to support the activities for the better. Then, the hypothesis is submitted as follow:

 $H4 = Facilitating Conditions (X_4)$  has a positive influence on the Use Behavior of the Islamic millennial generation in using digital wallets (Y<sub>2</sub>). 2.5 Behavioral Intention

In behavioral intention, using a newly familiar technology system can become a habit of behavior regularly because the individual has learned and mastered the technology well. The relationship between behavioral intention and use behavior has been supported by several previous studies [60]-[65]. Therefore, the higher the Behavioral Intention (Y<sub>1</sub>), the more significant the influence of Use Behavior (Y<sub>2</sub>) to adopt information system technology in daily lives.

H5 = Behavioral Intention  $(Y_1)$  has a positive influence on the Use Behavior of the Islamic millennial generation in using digital wallets (Y<sub>2</sub>).

## 2.6 Islamic Consumption Ethics

Ethics can be defined as a set of principles and standards that guide individuals in living a morally appropriate life based on accepted ideals and norms. However, it can also be understood in a broader context beyond just morality. This broader interpretation of ethics extends its scope to encompass a wider range of considerations and factors that influence human behavior and decisionmaking [66], [67]. As an illustration, when discussing ethical values in the field of economy, Islam emphasizes the importance of adhering to the ethical principles laid out in the Our'an. This includes teachings on seeking value, making sincere efforts, and engaging in fair transactions [68], [69].

Islam grants individuals full autonomy when it comes to consumption choices. Muslims have the freedom to utilize their wealth on things that are deemed beneficial, enjoyable, and fulfill their desires, as long as they remain within the prescribed limits stated by Sharia. Consequently, the Islamic approach to consumption can be viewed as the ultimate pursuit of satisfaction, as it encompasses not only the worldly benefits but also considerations for the rewards in the hereafter [70], [71]. Conversely, it is essential to refrain from engaging in unethical, excessive, and unnecessary consumption. In Islam, the act of consumption should be guided by the principle of meeting one's needs while pursuing maslahah, or benefit, in accordance with Islamic teachings. Consequently, a devout Muslim is expected to demonstrate ethical conduct in their consumption practices, adhering to the four fundamental principles of Islamic consumption ethics: observing halal consumption, extravagance (israf) and avoiding excess. considering genuine needs, and seeking maslahah, or overall well-being [72]-[74].

It should be understood that the consumption principle taught by Islam is a solid guide that can be implemented in daily activities, especially in today's digital transactions. Furthermore, the relationship between consumption

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ethics in Islam ( $X_5$ ) and Use Behavior ( $Y_2$ ) has been supported by several previous studies [75]–[77], where a higher understanding influences an individual's Use Behavior (UB) not to behave consumptively. Subsequently, the hypothesis is proposed as follow:

H6 = Consumption Ethics in Islam (X<sub>5</sub>) has a positive influence on the Use Behavior of the Islamic millennial generation in using digital wallets (Y<sub>2</sub>).

### **3. RESEARCH METHODS**

This quantitative study examines the influence of the main Unified Theory of Acceptance and Use of Technology (UTAUT) model, which consists of variables: Performance Expectancy  $(X_1)$ , Effort Expectancy  $(X_2)$ , Social Influence  $(X_3)$  on Behavioral Intention (Y1) and Facilitating Condition (X4) by adding the Islamic Consumption Ethics variable (X5) to Use Behavior (Y2) using a digital wallet as a payment method for today's transactions. An online questionnaire was distributed through Google Form to the millennial generation who met the purposive sampling criteria of 225 respondents to get the expected data.

After the appropriate sample was obtained, the data was then analyzed using the Structural Equation Modeling (SEM) – Partial Least Square (PLS) technique with the as-sistance of the SmartPLS statistical application version 3.3.3. The SEM-PLS analysis technique was conducted through 2 tests on the outer and inner models. The following Figure 1 is the model framework and hypotheses tested:



*Figure 1: Research Model* **4. RESULTS** 

In order to be tested in a relational and causal relationship prediction model, a concept and model must first undergo the purification stage. The outer model is utilized to assess construct validity and instrument reliability [78], [79]. The results of the Convergent Validity test have met the criteria seen from the Loading Factor value (above 0.7) and the Average Variance Extracted value (AVE > 0.5).

Meanwhile, the discriminant validity test shows that all indicators have met the criteria for the Fornell-Larcker value (> 0.7) in Table 1 and Cross Loading (> 0.7) in Table 2:

Table 1: Discriminant Validity Test Results with Fornell-Larcker

	BI	CEI	EE	FC	PE	SI	UB	Des.
BI	0.897							Valid
CEI	0.458	0.811						Valid
EE	0.760	0.462	0.906					Valid
FC	0.696	0.370	0.778	0.798				Valid
PE	0.697	0.353	0.799	0.699	0.884			Valid
SI	0.442	0.322	0.405	0.484	0.433	0.827		Valid
UB	0.758	0.277	0.576	0.549	0.587	0.415	0.792	Valid
Source: Processed by the authors on SmartPLS								

Table 2: Discriminant Validity Test Results with Cross Loading

Discriminant Validity Test	Variable	No. Items	Item	Results	Criteria	Des.
Cross	PE	1	PE1	0.905	> 0.7	Valid
Loading		2	PE2	0.922	> 0.7	Valid
		3	PE3	0.821	> 0.7	Valid
	EE	5	EE1	0.915	> 0.7	Valid
		6	EE2	0.931	> 0.7	Valid
		7	EE3	0.884	> 0.7	Valid
		8	EE4	0.893	> 0.7	Valid
	SI	9	SI1	0.828	> 0.7	Valid
		10	SI2	0.848	> 0.7	Valid
		11	SI3	0.778	> 0.7	Valid
		12	SI4	0.852	> 0.7	Valid
	FC	13	FC1	0.791	> 0.7	Valid
		14	FC2	0.844	> 0.7	Valid
		15	FC3	0.756	> 0.7	Valid
	CEI	16	CEI1	0.792	> 0.7	Valid
		17	CEI2	0.762	> 0.7	Valid
		19	CEI4	0.876	> 0.7	Valid
	BI	20	BI1	0.839	> 0.7	Valid
		21	BI2	0.928	> 0.7	Valid
		22	BI3	0.922	> 0.7	Valid
	UB	23	UB1	0.735	> 0.7	Valid
		24	UB2	0.702	> 0.7	Valid
		25	UB2	0.856	> 0.7	Valid
		26	UB4	0.865	> 0.7	Valid

Source: Processed by the authors on SmartPLS

The reliability test using Cronbach's alpha found that all instruments were reliable because they were above the required criteria (> 0.7) in Table 3. Then the results of the composite reliability test have met the criteria (> 0.7) as shown in Table 4.

Table 3: Reliability Test with Cronbach Alpha

Reliability Test	Variable	Results	Criteria	Des.
Cronbach's	PE	0.859	0.7	Reliable
Alpha	EE	0.927	0.7	Reliable
	SI	0.860	0.7	Reliable
	FC	0.714	0.7	Reliable
	CEI	0.752	0.7	Reliable
	BI	0.877	0.7	Reliable
	UB	0.807	0.7	Reliable

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Source: Processed by the authors on SmartPLS

Table 4: Reliability Test Results with CompositeReliability

Reliability Test	Variable	Results	Criteria	Des.
Composite	PE	0.914	0.7	Reliable
Reliability	EE	0.948	0.7	Reliable
	SI	0.897	0.7	Reliable
	FC	0.840	0.7	Reliable
	CEI	0.852	0.7	Reliable
	BI	0.925	0.7	Reliable
	UB	0.870	0.7	Reliable
с р		.4 .4	~	DIC

Source: Processed by the author on SmartPLS

Behavioral Intention (BI) as  $Y_1$  has variations in endogenous variables, as shown in Table 5. Exogenous variables such as Performance Expectancy (PE), Effort Expectancy (EE), and Social Influence (SI) were 61.4%, and others outside the study explained the remaining 38.6%. While the second endogenous variable, namely Use Behavior (UB) as  $Y_2$ , has a variety that can be explained by exogenous variables such as Facilitating Conditions (FC), Consumption Ethics in Islam (CEI), and endogenous variables Behavioral Intention (BI) of 58.2% and other variables outside the study explain the rest.

Table 5: R-Square Test Results (R2)

	Variable		Results		%	
	BI		0.614		61.4	
	UB		0.582		58.2	
a	D	11 /1	.1	C	DI C	-

Source: Processed by the author on SmartPLS

The statistical results in Table 6 and Figure 2 show that the path coefficients and *t*-statistic values for H1, H2, H3, and H5 are accepted. Furthermore, Performance Expectancy (PE), Effort Expectancy (EE), and Social Influence (SI) have a positive influence on Behavioral Intention (BI). Then Behavioral Intention also positively affects Use Behavior (UB). This is because H1, H2, H3, and H5 have significant T-statistical values> 1.96, and the path coefficient value is positive.

However, there was rejection on H4 and H6, where Facilitating Conditions (FC) and Consumption Ethics in Islam (CIE) do not influence Use Behavior (UB). In addition, H4 has a positive path coefficient value, and the T-statistic value does not meet the criteria of < 1.96. Furthermore, the path coefficient value in H6 is negative, and the T-statistic value in H6 also does not meet the criteria, namely T-statistic < 1.96.

Table 6: Path Coefficient Test Results and Tstatistics

	Rest	ults	
Variable	Coefficient Path	T-statistics	Des.
	0.207	2.528	Significant
PE →BI			Positive
$EE \rightarrow BI$	0.541	6.724	Significant
			Positive
CL DI	0.133	2.953	Significant
SI→BI			Positive
	0.051	0.747	Significant
$FC \rightarrow UB$			Positive
CEL UD	-0.092	1.804	Significant
$CEI \rightarrow UB$			Positive
	0.764	10.015	Significant
$BI \rightarrow UB$			Positive

Source: Processed by the author on SmartPLS



Figure 2: Path Coefficient Test Results and Tstatistics

Source: Processed by the author on SmartPLS

All observations obtained had good results, as evidenced by the predictive relevance test in table 7, which exceeded the criterion value of 0, 0.484 for Behavioral Intention and 0.339 for Use Behavior. Table 8 shows the results of the model fit test with the Normed Fit Index (NFI) value and a score of <u>31<sup>st</sup> July 2023. Vol.101. No 14</u> © 2023 Little Lion Scientific

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75%. Therefore, it can be concluded that the model used is "fit" or matched by 75%.

 Table 7. Predictive Relevance Test Results

Variable	Results	Criteria	Des.
BI	0.484	> 0	Good
UB	0.339	> 0	Good
C D	11 /1	41 0	UDI C

Source: Processed by the author on SmartPLS

Table 8. Model Fit Test Results

Model Fit	Saturated	Estimated	%
Test	Model	Model	
Normed Fit Index (NFI)	0.755	0.750	75
( )			

Source: Processed by the author on SmartPLS

## 4. **DISCUSSION**

Based on the statistical results of the variables in the study model framework, hypothesis 1  $(H_1)$ accepts that the performance expectations of the Islamic millennial generation in Yogyakarta positively influence the behavioral intention in using digital wallets. This is evidenced by the T-statistical value > 1.96 (2.528 > 1.96) and the path coefficient value of 0.207. Accordingly, the rise in performance expectations is accompanied by an increase in the intention to use a digital wallet. In this context, performance expectations  $(X_1)$  can be understood as the belief that utilizing the system will enhance performance [63]. This concept depicts the advantageous position of the system for its users. Similarly, in the realm of digital wallets, users have already experienced several benefits, including the ease and convenience of transactions, efficient record-keeping, and effortless financial planning through readily accessible transaction histories. Consequently, the Islamic millennial generation in Yogyakarta has started embracing digital wallets as a preferred method of conducting payment transactions [80], [81].

Hypothesis 2 (H<sub>2</sub>) is accepted that the effort expectancy of the Islamic millennial generation in Yogyakarta has a positive influence on the behavioral intention in using digital wallets. This is evidenced by the T-statistical value > 1.96 (6.724 > 1.96) and the path coefficient value of 0.541. Hence, the rise in effort expectancy among the Islamic millennial generation in Yogyakarta is accompanied by an increase in the intention to use a digital wallet. The convenience provided by information systems diminishes the effort (both energy and time) required to fulfill work-related intentions [63]. This implies that an information system can facilitate tasks more efficiently than manual methods. This aligns well with the characteristics of the millennial generation, who are inclined towards speed and instant gratification, having grown up amidst technological advancements and abundant information resources [82]–[84].

Moreover, hypothesis  $3 (H_3)$  is accepted, and the social influence of the Islamic millennial generation in Yogyakarta positively influences the behavioral intention of digital wallets. This is evidenced by the T-statistical value > 1.96 (2.953 >1.96) and the path coefficient value of 0.133. Subsequently, the rise in social influence is accompanied by an increase in behavioral intention [63]. The presence of peers and acquaintances has the potential to sway individuals towards adopting a new system. This stems from the inclination of individuals to embrace persuasive messages conveyed by familiar or like-minded individuals. Presently, word-of-mouth recommendations hold more sway than traditional advertising, as millennials value testimonials to a greater extent [85]–[87]. As a result, many millennials actively seek out information or testimonials regarding a product before engaging in consumption activities.

Hypothesis 4 (H<sub>4</sub>) is rejected since the Facilitation Condition for the Islamic millennial generation in Yogyakarta does not positively influence the use behavior of digital wallets. This is evidenced by the T-statistical value < 1.96 (0.747 <1.96) and the path coefficient value of 0.051. This suggests that an increase in favorable conditions alone does not guarantee a subsequent increase in usage behavior when it comes to utilizing a digital wallet. While the entire technological framework can support the adoption of a system [63], the findings of the study yielded different results, which were ultimately insignificant, highlighting the gaps or disparities across different generations. Unlike the previous generation, which was compelled to adapt due to limited technical capabilities, the millennial generation exhibits a preference for a wide range of technological advancements. The millennial generation displays a rapid understanding of technology, as they are adept at adapting to the demands of their era [82], [83]. Consequently, while they are accustomed to a multitude of technological conveniences, it does not necessarily translate into immediate adoption of technology, particularly in the context of digital wallet payment methods.

Furthermore, hypothesis 5  $(H_5)$  is accepted since the behavioral intention of the Islamic

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millennial generation in Yogyakarta has a positive influence on the use behavior in using digital wallets. This is evidenced by the T-statistics value of > 1.96(10.015 > 1.96) and the path coefficient value of 0.764. Hence, there is a positive relationship between the increasing behavioral intention and the subsequent use behavior among the Islamic millennial generation in Yogyakarta when it comes to utilizing digital wallets. This can be attributed to individuals' ability to respond to a novel concept that deviates from their previous experiences. Such a situation triggers an adoption process, encompassing stages of acceptance or rejection toward new phenomena. Individuals who possess the intention to adopt a digital wallet gather general information and facts about the product to acquire a deeper understanding [88], [89]. Consequently, the millennial generation, having already experienced the convenience of conducting payment transactions through digital wallets, readily adopts this modern payment method in their daily lives.

Finally, hypothesis 6 (H<sub>6</sub>) is rejected since Consumption Ethics in Islam millennial generation in Yogyakarta do not influence the use behavior of digital wallets. This is evidenced by the *t*-statistics value < 1.96 (1.804 < 1.96) and the path coefficient value of -0.092. Hence, if there is a decline in the level of awareness and understanding of Islamic consumption ethics, it will not lead to a corresponding increase in the use behavior of digital wallets among individuals. This is primarily due to the limited application of Islamic consumption ethics in their behavior. Their focus is primarily on engaging in digital transactions rather than prioritizing a thorough understanding and implementation of Islamic consumption ethics.

This trend was also found in several other studies related to halal cosmetics [90], [91] and the behavior of using Islamic banks [3]. Respondents tend to obey and carry out religious teachings that are ritualistic; however, in *muamalah*, the practice tends to ignore religious teachings. Islam stands apart from materialism due to its inherent integration of economics with ethics. Similarly, Islam does not detach science from morality, politics from ethics, war from ethics, or blood ties from Islamic life. The teachings of Islam, conveyed through the Messenger of Allah, exemplify a model of conduct for all individuals, emphasizing the importance of ethical behavior [92], [93].

The findings of this study reveal that performance expectancy, effort expectancy, and social influence have a positive impact on the willingness of the Islamic millennial generation in adopting digital wallets. This implies that Islamic millennials perceive the potential benefits, ease of use, and influence from their social environment as key drivers in their decision to embrace digital wallet technology. However, the results also indicate that facilitating conditions and consumption ethics in Islam do not play a significant role in shaping the behavior of the Islamic millennial generation when it comes to digital wallet adoption.

This finding is particularly noteworthy as it provides valuable insights for the promotion and adoption of digital wallets among millennials in Yogyakarta. It suggests that emphasizing the functional advantages, convenience, and social aspects of digital wallets may be more effective in appealing to this specific demographic, rather than solely relying on religious or ethical factors. Nevertheless, from an Islamic consumption ethics standpoint, this finding raises an important challenge regarding the need to educate and instill Islamic values in the realm of consumption among millennials in Yogyakarta. It highlights the potential gap between their behavior and the ethical teachings of Islam, underscoring the significance of integrating religious values into their consumption practices.

## 5. CONCLUSION

The findings of this study demonstrate the ongoing growth of digital wallet transactions in Yogyakarta, driven by the collective support of various stakeholders and the enthusiastic adoption of these wallets by the Islamic millennial generation in their daily transactions. The intention to use digital wallets is influenced by factors such as performance expectancy, effort expectancy, and social influence, which contribute to their positive perception of these payment methods. However, the results also reveal that the facilitating conditions and consumption ethics derived from Islam do not significantly impact their digital transaction practices. This suggests that the Islamic millennial generation has not fully embraced the comprehensive teachings of Islam and has not integrated Islamic consumption ethics into their daily digital transactions. Instead, they appear to apply different standards to their consumption behavior, deviating from the principles of their religion.

Islamic consumption ethics form a subset of economic ethics that should be cultivated in individuals, particularly the Islamic millennial generation, in light of the rapid globalization facilitated by advancements in science, which tend to blur ethical boundaries. With the increasing use of technology, people's behaviors become more

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materialistic and pragmatic, often neglecting moral values and resorting to shortcuts in the pursuit of prosperity. Consequently, modern society witnesses a gradual erosion of ethical and moral standards. There is a concern that the Islamic millennial generation, without a strong grounding in Islamic consumption ethics, may become more materialistic in their approach to the conveniences and practicalities offered by technology.

It is worth noting that this study focuses solely on local millennials residing in Yogyakarta, and future research could expand the sample to include other regions. Additionally, it would be valuable to compare the digital consumption behaviors of different generations, such as Generation Z and others, in order to further explore the integration of Islamic consumption ethics into digital consumption behavior.

## REFERENCES

- Marcomm Ipsos in Indonesia, "Ipsos Media Conference - Strategi Menang Tanpa Bakar Uang [Ipsos Media Conference - Winning Strategy Without Burning Money]," *Ipsos*, Feb. 12, 2020. https://www.ipsos.com/en-id/ipsosmedia-conference-strategi-menang-tanpabakar-uang (accessed Jul. 09, 2022).
- [2] Antara News, "Peluncuran Gerbang Pembayaran Nasional [Launch of National Payment Gateway]," Antara News, Dec. 04, 2017.

https://www.antaranews.com/foto/668796/pelu ncuran-gerbang-pembayaran-nasional (accessed Sep. 02, 2022).

- [3] A. P. Nugroho, A. Hidayat, and H. Kusuma, "The Influence of Religiosity and Self-Efficacy on the Saving Behavior of the Islamic Banks," *Banks and Bank Systems*, vol. 12, no. 3, pp. 35– 47, Aug. 2017, doi: 10.21511/bbs.12(3).2017.03.
- [4] Wasiaturrahma, Y. T. Wahyuningtyas, and S. R. Ajija, "Non Cash Payment and Demand for Real Money in Indonesia," *Journal of Economics, Business, & Accountancy Ventura*, vol. 22, no. 1, pp. 1–8, Jun. 2019, doi: 10.14414/jebav.v22i1.1575.
- [5] A. Putri, Safuridar, S. Amilia, and Asnidar, "Analysis of The Effect of Non-Cash Payments, Interest Rate, and The Amount of The Money Circulation on Inflation in Indonesia," *International Journal on Social Science, Economics and Art*, vol. 11, no. 4, pp. 172–179, Feb. 2022, doi: 10.35335/ijosea.v11i4.59.

- [6] M. D. Andreevich, M. N. Petrovich, and H. G. Khoteevich, "Regulatory Regulation of the Issue and Circulation of Digital Currencies in the Countries of the Modern World," in 5th International Scientific Conference on Digital Economy and Finances, DEFIN 2022, St. Petersburg, 2022, pp. 223–231. doi: 10.1007/978-3-031-14410-3 23.
- [7] B. Farras, "Pasar Dompet Digital RI Capai Rp 21 T di 2018 [RI Digital Wallet Market Reaches IDR 21 T in 2018]," *CNBC Indonesia*, Feb. 20, 2019. https://www.cnbcindonesia.com/tech/2019022

0154950-37-56670/pasar-dompet-digital-ricapai-rp-21-t-di-2018 (accessed Jul. 09, 2022).

- [8] E. S. W. Ng, L. Schweitzer, and S. T. Lyons, "New Generation, Great Expectations: A Field Study of the Millennial Generation," *J Bus Psychol*, vol. 25, no. 2, pp. 281–292, Jun. 2010, doi: 10.1007/s10869-010-9159-4.
- [9] G. Dash, K. Kiefer, and J. Paul, "Marketing-to-Millennials: Marketing 4.0, Customer Satisfaction and Purchase Intention," *Journal of Business Research*, vol. 122, pp. 608–620, Jan. 2021, doi: 10.1016/j.jbusres.2020.10.016.
- [10] C. Pugnetti, P. Henriques, and U. Moser, "Goal Setting, Personality Traits, and the Role of Insurers and Other Service Providers for Swiss Millennials and Generation Z," *Journal of Risk* and Financial Management, vol. 15, no. 4, p. 185, Apr. 2022, doi: 10.3390/jrfm15040185.
- [11] J. Antwi and C. B. Naanwaab, "Generational Differences, Risk Tolerance, and Ownership of Financial Securities: Evidence from the United States," *International Journal of Financial Studies*, vol. 10, no. 2, p. 35, Jun. 2022, doi: 10.3390/ijfs10020035.
- [12] D. Lestari, "Millennial and Islamic Financial Products," *Li Falah: Jurnal Studi Ekonomi dan Bisnis Islam*, vol. 5, no. 1, pp. 1–16, Jun. 2020, doi: 10.31332/lifalah.v5i1.1755.
- [13] V. Dewi, E. Febrian, N. Effendi, and M. Anwar, "Financial Literacy among the Millennial Generation: Relationships between Knowledge, Skills, Attitude, and Behavior," *Australasian Accounting, Business and Finance Journal*, vol. 14, no. 4, pp. 24–37, Sep. 2020, doi: 10.14453/aabfj.v14i4.3.
- [14] Islahuddin and N. Syaifudin, "Pasar E-Commerce Terbesar Indonesia Dari Milenial [indonesia's Largest E-Commerce Market from Millennials]," *Lokadata*, Apr. 20, 2020. https://lokadata.id/artikel/pasar-e-commerceterbesar-indonesia-dari-milenial (accessed Jul. 09, 2022).

 $\frac{31^{\text{st}}}{\text{© 2023 Little Lion Scientific}}$ 



www.jatit.org

- [15] I. Kamal, R. N. Rizki, and M. R. Aulia, "The Enthusiasm of Digital Payment Services and Millennial Consumer Behaviour in Indonesia," *International Journal of Professional Business Review*, vol. 8, no. 2, p. e0923, 2023, doi: 10.26668/businessreview/2023.v8i2.923.
- [16] T. K. Pertiwi, E. Purwanto, I. D. Kusuma, S. Dewi, and L. Kisdayanti, "Impact of Perceived Benefits, Security, and Privacy on Interest in Using E-Wallet in Millennial Generation," *IJMRA*, vol. 5, no. 5, pp. 1051–1057, May 2022, doi: 10.47191/ijmra/v5-i5-22.
- [17] R. Sarmah, N. Dhiman, and H. Kanojia, "Understanding Intentions and Actual Use of Mobile Wallets by Millennial: An Extended TAM Model Perspective," *Journal of Indian Business Research*, vol. 13, no. 3, pp. 361–381, Jan. 2021, doi: 10.1108/JIBR-06-2020-0214.
- [18] D. S. Soegoto and M. P. Tampubolon, "E-Wallet as a Payment Instrument in the Millennial Era," *IOP Conf. Ser.: Mater. Sci. Eng.*, vol. 879, no. 1, p. 012139, Jul. 2020, doi: 10.1088/1757-899X/879/1/012139.
- [19] A. Mujahidin, "Pengaruh Fintech E-Wallet Terhadap Perilaku Konsumtif Pada Generasi Millennial [the Effect of Fintech E-Wallet on Consumptive Behavior in the Millennial Generation]," *Inovbiz: Jurnal Inovasi Bisnis*, vol. 8, no. 2, Art. no. 2, Dec. 2020, doi: 10.35314/inovbiz.v8i2.1513.
- [20] M. H. Bakri, K. K. S. M. Almansoori, and N. S. M. Azlan, "Determinants intention usage of Islamic E-Wallet Among Millennials," *Global Business and Finance Review*, vol. 28, no. 1, pp. 11–32, 2023, doi: 10.17549/gbfr.2023.28.1.11.
- [21] J. Arifin, "Dialektika Etika Islam dan Etika Barat dalam Dunia Bisnis [Dialectic of Islamic Ethics and Western Ethics in the Business World]," *Millah*, vol. 8, no. 1, pp. 145–168, 2008, doi: 10.20885/millah.vol8.iss1.art9.
- [22] W. M. Sampurno, "Implementation of Islamic Business Ethics and Its Impacts on Family Business," *Journal of Islamic Economics Lariba*, vol. 2, no. 1, pp. 25–30, 2016, doi: 10.20885/jielariba.vol2.iss1.art4.
- [23] K. Othman, S. Md. Hamdani, M. Sulaiman, M. M. Mutalib, and R. Ramly, "A Philosophy of Maqasid Shariah Underpinned Muslim Food Consumption and the Halalan Toyyiban Concept," *AL-ABQARI: Journal of Islamic Social Sciences and Humanities*, vol. 13, pp. 75–86, 2018, Accessed: Sep. 13, 2022.
  [Online]. Available: http://abqarijournal.usim.edu.my/index.php/ab qari/article/view/69

- [24] A. Ramazani and M. Kermani, "Spiritualism Versus Materialism: Can Religiosity Reduce Conspicuous Consumption?," *Journal of Islamic Marketing*, vol. 13, no. 8, pp. 1639– 1655, 2022, doi: 10.1108/JIMA-09-2019-0184.
- [25] M. D. Habib and F. V. Bekun, "Does Religiosity Matter in Impulsive Psychology Buying Behaviors? A Mediating Model and Empirical Application," *Current Psychology*, vol. 42, no. 12, pp. 9986–9998, 2023, doi: 10.1007/s12144-021-02296-0.
- [26] Ö. O. Erden, "The New Religion-Based Work Ethic and Cultural Consumption Patterns of Religiously Conservative Groups in Turkey," *Religions*, vol. 10, no. 10, p. 541, Oct. 2019, doi: 10.3390/rel10100541.
- [27] F. Zagonari, "Comparing Religious Environmental Ethics to Support Efforts to Achieve Local and Global Sustainability: Empirical Insights Based on a Theoretical Framework," *Sustainability*, vol. 12, no. 7, p. 2590, Jan. 2020, doi: 10.3390/su12072590.
- [28] K. M. Nasir, "Islamic Revivalism and Muslim Consumer Ethics," *Religions*, vol. 13, no. 8, p. 747, Aug. 2022, doi: 10.3390/rel13080747.
- [29] O. S. Al-Kwifi, P. S. Koku, A. K. Abu Farha, and S. M. Al Halbadi, "Do Islamic Ethics Influence Consumers' Reaction to Advertising Messages of Certain Foods? Tracking Consumers' Reaction Using fMRI Technology," *Journal of Global Marketing*, vol. 22, no. 5, pp. 349–367, Feb. 2022, doi: 10.1080/08911762.2022.2037806.
- [30] T. Zhou, Y. Lu, and B. Wang, "Integrating TTF and UTAUT to Explain Mobile Banking User Adoption," *Computers in Human Behavior*, vol. 26, no. 4, pp. 760–767, Jul. 2010, doi: 10.1016/j.chb.2010.01.013.
- [31] T. Oliveira, M. Faria, M. A. Thomas, and A. Popovič, "Extending the Understanding of Mobile Banking Adoption: When UTAUT Meets TTF and ITM," *International Journal of Information Management*, vol. 34, no. 5, pp. 689–703, Oct. 2014, doi: 10.1016/j.ijinfomgt.2014.06.004.
- [32] V. Bhatiasevi, "An Extended UTAUT Model to Explain the Adoption of Mobile Banking," *Information Development*, vol. 32, no. 4, pp. 799–814, Sep. 2016, doi: 10.1177/0266666915570764.
- [33] E. AbuShanab and J. M. Pearson, "Internet Banking in Jordan: The Unified Theory of Acceptance and Use of Technology (UTAUT) Perspective," Journal of Systems and Information Technology, vol. 9, no. 1, pp. 78–

 $\frac{31^{\text{st}}}{\text{© 2023 Little Lion Scientific}}$ 



ISSN: 1992-8645

www.jatit.org

97, Jan. 2007, doi: 10.1108/13287260710817700.

- [34] S. Saibaba and T. N. Murthy, "Factors Influencing the Behavioural Intention to Adopt Internet Banking: An Empirical Study in India," *Researchers World: Journal of Arts, Science and Commerce*, vol. 4, no. 4, pp. 77–91, 2013, Accessed: Jul. 09, 2022. [Online]. Available: https://papers.ssrn.com/sol3/papers.cfm?abstra ct\_id=2515665
- [35] S. Rahi, M. Abd.Ghani, and A. Hafaz Ngah, "Integration of Unified Theory of Acceptance and Use of Technology in Internet Banking Adoption Setting: Evidence from Pakistan," *Technology in Society*, vol. 58, p. 101120, Aug. 2019, doi: 10.1016/j.techsoc.2019.03.003.
- [36] S. Inder, K. Sood, and S. Grima, "Antecedents of Behavioural Intention to Adopt Internet Banking Using Structural Equation Modelling," *Journal of Risk and Financial Management*, vol. 15, no. 4, p. 157, Apr. 2022, doi: 10.3390/jrfm15040157.
- [37] D. Chawla and H. Joshi, "Role of Mediator in Examining the Influence of Antecedents of Mobile Wallet Adoption on Attitude and Intention," *Global Business Review*, p. 0972150920924506, May 2020, doi: 10.1177/0972150920924506.
- [38] K. Al-Saedi, M. Al-Emran, T. Ramayah, and E. Abusham, "Developing a General Extended UTAUT Model for M-Payment Adoption," *Technology in Society*, vol. 62, p. 101293, Aug. 2020, doi: 10.1016/j.techsoc.2020.101293.
- [39] M. Yang, A. A. Mamun, M. Mohiuddin, N. C. Nawi, and N. R. Zainol, "Cashless Transactions: A Study on Intention and Adoption of e-Wallets," *Sustainability*, vol. 13, no. 2, p. 831, 2021, doi: 10.3390/su13020831.
- [40] A. Kapoor, R. Sindwani, M. Goel, and A. Shankar, "Mobile Wallet Adoption Intention Amid Covid-19 Pandemic Outbreak: A Novel Conceptual Framework," *Computers & Industrial Engineering*, vol. 172, no. Part B, p. 108646, Sep. 2022, doi: 10.1016/j.cie.2022.108646.
- [41] R. Ahimsa, "Yuk Kenalan Aplikasi Cashless Resmi di Yogyakarta, JogjaKita [Let's Get to Know the Official Cashless Application in Yogyakarta, JogjaKita]," *IDN Times*, Feb. 02, 2020.

13, 2022).

https://jogja.idntimes.com/business/finance/rija lu-ahimsa-1/yuk-kenalan-aplikasi-cashlessresmi-di-yogyakarta-jogjakita (accessed Sep. [42] JogjaKita, "Tentang JogjaKita [About JogjaKita]," *JogjaKita - Seistimewa Jogja*, Feb. 02, 2020. https://jogjakita.co.id/tentang-jogjakita/ (accessed Jul. 09, 2022).

- [43] F. Jacob, E. H. Grosse, S. Morana, and C. J. König, "Picking with a Robot Colleague: A Systematic Literature Review and Evaluation of Technology Acceptance in Human–Robot Collaborative Warehouses," *Computers and Industrial Engineering*, vol. 180, 2023, doi: 10.1016/j.cie.2023.109262.
- [44] M. A. Al-Sharafi *et al.*, "Generation Z Use of Artificial Intelligence Products and Its Impact on Environmental Sustainability: A Cross-Cultural Comparison," *Computers in Human Behavior*, vol. 143, 2023, doi: 10.1016/j.chb.2023.107708.
- [45] J. C. Désiron, D. Petko, V. Lapaire, C. Ullrich, and L. Clack, "Using Virtual Reality to Train Infection Prevention: What Predicts Performance and Behavioral Intention?," *Virtual Reality*, vol. 27, no. 2, pp. 1013–1023, 2023, doi: 10.1007/s10055-022-00708-5.
- [46] M. A. Al Tarawneh, T. P. L. Nguyen, D. G. F. Yong, and M. A. P. Dorasamy, "Determinant of M-Banking Usage and Adoption among Millennials," *Sustainability (Switzerland)*, vol. 15, no. 10, 2023, doi: 10.3390/su15108216.
- [47] A. S. Izkair and M. M. Lakulu, "Model of Intention and Actual Use Mobile Learning in Higher Education Institutions in Iraq," *Indonesian Journal of Electrical Engineering* and Computer Science, vol. 30, no. 2, pp. 1250– 1258, 2023, doi: 10.11591/ijeecs.v30.i2.pp1250-1258.
- [48] C. I. Egbe, P. A. Agbo, F. A. Okwo, and G. C. Agbo, "Students' Perception of Computer-Based Tests in the Use of English Programme in Nigerian Universities," *TechTrends*, vol. 67, no. 3, pp. 477–488, 2023, doi: 10.1007/s11528-023-00845-x.
- [49] Ma. J. J. Gumasing, Y. T. Prasetyo, A. K. S. Ong, S. F. Persada, and R. Nadlifatin, "Factors Influencing the Perceived Usability of Wearable Chair Exoskeleton with Market Segmentation: A Structural Equation Modeling and K-Means Clustering Approach," *International Journal of Industrial Ergonomics*, vol. 93, p. 103401, Jan. 2023, doi: 10.1016/j.ergon.2022.103401.
- [50] R. Katoch and A. Rana, "Online Spiritual Meets (OSMs) and User Behavior – a Divine Application of Technology During Covid-19," *Computers in Human Behavior*, vol. 139, p.

 $\frac{31^{\text{st}}}{\text{© 2023 Little Lion Scientific}}$ 



ISSN: 1992-8645	www.jatit.org	E-ISSN: 1817-319

107514, Feb. 2023, doi: 10.1016/j.chb.2022.107514.

- [51] E. C.-X. Aw, T. Zha, and S. H.-W. Chuah, "My New Financial Companion! Non-Linear Understanding of Robo-Advisory Service Acceptance," *The Service Industries Journal*, vol. 43, no. 3–4, pp. 185–212, Mar. 2023, doi: 10.1080/02642069.2022.2161528.
- [52] H. Fung, S. K. Sgaier, and V. S. Huang, "Discovery of Interconnected Causal Drivers of Covid-19 Vaccination Intentions in the Us Using a Causal Bayesian Network," *Scientific Reports*, vol. 13, no. 1, p. Article number 6988, 2023, doi: 10.1038/s41598-023-33745-4.
- [53] Y. Ma et al., "Using the Unified Theory of Acceptance and Use of Technology (UTAUT) and e-health literacy(e-HL) to investigate the tobacco control intentions and behaviors of non-smoking college students in China: a crosssectional investigation," BMC Public Health, vol. 23, no. 1, p. Article number 765, 2023, doi: 10.1186/s12889-023-15644-5.
- [54] D. Vorobeva, I. J. Scott, T. Oliveira, and M. Neto, "Leveraging Technology for Waste Sustainability: Understanding the Adoption of a New Waste Management System," *Sustainable Environment Research*, vol. 33, no. 1, p. Article number 12, 2023, doi: 10.1186/s42834-023-00174-x.
- [55] M. Fuster, M. P. Santos, E. Dimond, T. T. K. Huang, and M. A. Handley, "Examining Capabilities, Opportunities, and Motivations for Healthy Eating Behaviors in Latin American Restaurants: A Quantitative Application of the COM-B Model to Inform Future Interventions," *BMC Nutrition*, vol. 9, no. 1, p. Article number 57, 2023, doi: 10.1186/s40795-023-00712-1.
- [56] X. Wei, F. Yu, K. Peng, and N. Zhong, "Psychological Richness Increases Behavioral Intention to Protect the Environment," *Acta Psychologica Sinica*, vol. 55, no. 8, pp. 1330– 1343, 2023, doi: 10.3724/SP.J.1041.2023.01330.
- [57] M. I. Hamzah, F. A. A. Ramli, and N. Shaw, "The Moderating Influence of Brand Image on Consumers' Adoption of QR-Code E-Wallets," *Journal of Retailing and Consumer Services*, vol. 73, p. 103326, Jul. 2023, doi: 10.1016/j.jretconser.2023.103326.
- [58] S. Mukherjee, M. M. Baral, B. L. Lavanya, R. Nagariya, B. Singh Patel, and V. Chittipaka, "Intentions to Adopt the Blockchain: Investigation of the Retail Supply Chain," *Management Decision*, vol. 61, no. 5, pp. 1320–

1351, Jan. 2023, doi: 10.1108/MD-03-2022-0369.

- [59] D. H. van Dun and M. Kumar, "Social Enablers of Industry 4.0 Technology Adoption: Transformational Leadership and Emotional Intelligence," *International Journal of Operations & Production Management*, vol. 43, no. 13, pp. 152–182, Jan. 2023, doi: 10.1108/IJOPM-06-2022-0370.
- [60] S. Kaur and S. Arora, "Understanding Customers' Usage Behavior Towards Online Banking Services: An Integrated Risk–Benefit Framework," *J Financ Serv Mark*, vol. 28, no. 1, pp. 74–98, Mar. 2023, doi: 10.1057/s41264-022-00140-5.
- [61] D. F. Septiarini, R. T. Ratnasari, M. C. M. Salleh, S. Herianingrum, and Sedianingsih, "Drivers of Behavioral Intention Among Non-Muslims Toward Halal Cosmetics: Evidence from Indonesia, Malaysia, and Singapore," *Journal of Islamic Accounting and Business Research*, vol. 14, no. 2, pp. 230–248, Jan. 2022, doi: 10.1108/JIABR-02-2021-0064.
- [62] S. Hamid, M. Azhar, and Sujood, "Behavioral Intention to Order Food and Beverage Items Using E-Commerce During Covid-19: An Integration of Theory of Planned Behavior (TPB) with Trust," *British Food Journal*, vol. 125, no. 1, pp. 112–131, 2023, doi: 10.1108/BFJ-03-2021-0338.
- [63] V. Venkatesh, M. Morris, G. Davis, and F. Davis, "User Acceptance of Information Technology: Toward a Unified View," *MIS Quarterly*, vol. 27, pp. 425–478, Sep. 2003, doi: 10.2307/30036540.
- [64] S. A. Raza, W. Qazi, K. A. Khan, and J. Salam, "Social Isolation and Acceptance of the Learning Management System (LMS) in the time of COVID-19 Pandemic: An Expansion of the UTAUT Model," *Journal of Educational Computing Research*, vol. 59, no. 2, pp. 183– 208, Apr. 2021, doi: 10.1177/0735633120960421.
- [65] S. A. Raza, N. Shah, and M. Ali, "Acceptance of Mobile Banking in Islamic Banks: Evidence from Modified UTAUT Model," *Journal of Islamic Marketing*, vol. 10, no. 1, pp. 357–376, Jan. 2018, doi: 10.1108/JIMA-04-2017-0038.
- [66] L. P. Pojman and J. Fieser, *Ethics: Discovering Right and Wrong*, 8th edition. Boston, MA: Cengage Learning, 2016.
- [67] S. Blackburn, Ethics: A Very Short Introduction, 1st edition. Oxford; New York: Oxford University Press, 2009.



<u>www.jatit.org</u>

- [68] B. T. Possumah, A. G. Ismail, and S. Shahimi, "Bringing Work Back in Islamic Ethics," *J Bus Ethics*, vol. 112, no. 2, pp. 257–270, Jan. 2013, doi: 10.1007/s10551-012-1246-1.
- [69] M. S. Ahmad, "Work Ethics: An Islamic Prospective," *Journal of Human Sciences*, vol. 8, no. 1, pp. 850–859, Feb. 2011, Accessed: Jun. 16, 2023. [Online]. Available: https://www.jhumansciences.com/ojs/index.php/IJHS/article /view/1573
- [70] H. Furqani, "Consumption and Morality: Principles and Behavioral Framework in Islamic Economics," *Journal of King Abdulaziz University: Islamic Economics*, vol. 30, no. Special Issue, pp. 89–102, Apr. 2017, doi: 10.4197/Islec.30-SI.6.
- [71] H. Furqani, G. Adnan, and R. Mulyany, "Ethics in Islamic Economics: Microfoundations for an Ethical Endogeneity," *International Journal of Ethics and Systems*, vol. 36, no. 3, pp. 449–463, Jan. 2020, doi: 10.1108/IJOES-03-2020-0032.
- [72] M. A. M. Chowdhury, "Resource Allocation, Investment Decision and Economic Welfare: Capitalism, Socialism and Islam," *Managerial Finance*, vol. 25, no. 5, pp. 34–51, Jan. 1999, doi: 10.1108/03074359910765948.
- [73] J. Syahrivar, S. A. Hermawan, T. Gyulavári, and C. Chairy, "Religious Compensatory Consumption in the Islamic Context: The Mediating Roles of Religious Social Control and Religious Guilt," *Asia Pacific Journal of Marketing and Logistics*, vol. 34, no. 4, pp. 739–758, Jan. 2021, doi: 10.1108/APJML-02-2021-0104.
- [74] S. A. Shaikh, M. A. Ismail, A. G. Ismail, S. Shahimi, and M. H. Mohd. Shafiai, "Towards an Integrative Framework for Understanding Muslim Consumption Behaviour," *Humanomics*, vol. 33, no. 2, pp. 133–149, Jan. 2017, doi: 10.1108/H-01-2017-0005.
- [75] N. Rozaini and S. N. Harahap, "Pengaruh Mata Kuliah Ekonomi Syariah Dan Uang Saku Terhadap Perilaku Konsumtif [The Influence of Islamic Economics Courses and Allowance on Consumptive Behavior]," *Niagawan*, vol. 8, no. 3, pp. 223–233, Nov. 2019, doi: 10.24114/niaga.v8i3.15581.
- [76] A. A. Muttaqin and B. N. D. Ardianto, "Materialisme Versus Nilai-Nilai Konsumsi Islami: Survey Prilaku Konsumsi Mahasiswa di Malang [Materialism Versus Islamic Consumption Values: A Survey of Student Consumption Behavior in Malang]," Islaminomics: Journal of Islamic Economics,

Business and Finance, vol. 9, no. 2, pp. 121–132, Dec. 2019, doi: 10.47903/ji.v9i2.80.

- [77] S. Supriadi and N. I. Ahmad, "Pemahaman Nilai-Nilai Etika Konsumsi Islami terhadap Perilaku Konsumtif Mahasiswa Perbankan Syariah [Understanding Islamic Consumption Ethical Values on Consumptive Behavior of Islamic Banking Students]," Jurnal Hukum Ekonomi Syariah, vol. 4, no. 1, pp. 81–95, Jun. 2020, doi: 10.26618/j-hes.v4i01.3376.
- [78] J. F. Hair, M. Sarstedt, and C. M. Ringle, "Rethinking Some of the Rethinking of Partial Least Squares," *European Journal of Marketing*, vol. 53, no. 4, pp. 566–584, Jan. 2019, doi: 10.1108/EJM-10-2018-0665.
- [79] J. Hair, G. T. M. Hult, C. M. Ringle, and M. Sarstedt, A Primer on Partial Least Squares Structural Equation Modeling, Third edition. Los Angeles: SAGE Publications, Inc, 2021.
- [80] M. Widodo, M. I. Irawan, and R. Ambarwati Sukmono, "Extending UTAUT2 to Explore Digital Wallet Adoption in Indonesia," in 2019 International Conference on Information and Communications Technology (ICOIACT), Jul. 2019, pp. 878–883. doi: 10.1109/ICOIACT46704.2019.8938415.
- [81] N. Raimee, L. Maheswaran, J. S. Appannan, and N. M. Radzi, "Adoption of Digital Wallet: Influencing Factors among Undergraduates in Malaysia," *International Journal of Business* and Technology Management, vol. 3, no. 2, Art. no. 2, Jul. 2021, Accessed: Jun. 16, 2023. [Online]. Available: https://myjms.mohe.gov.my/index.php/ijbtm/ar ticle/view/14017
- [82] M. W. Gerhardt and J. V. E. Peluchette, Eds., Millennials: Trends, Characteristics and Perspectives. New York: Nova Science Pub Inc, 2018.
- [83] W. Ozuem, M. Willis, K. Howell, G. Lancaster, and R. Ng, "Determinants of Online Brand Communities' and Millennials' Characteristics: A Social Influence Perspective," *Psychology* and Marketing, vol. 38, no. 5, pp. 794–818, 2021, doi: 10.1002/mar.21470.
- [84] A. Bargoni, T. Kliestik, F. Jabeen, and G. Santoro, "Family Firms' Characteristics and Consumer Behaviour: An Enquiry into Millennials' Purchase Intention in the Online Channel," *Journal of Business Research*, vol. 156, 2023, doi: 10.1016/j.jbusres.2022.113462.
- [85] C. M. Werner, C. Sansone, and B. B. Brown, "Guided Group Discussion and Attitude Change: The Roles of Normative and Informational Influence," *Journal of*



ISSN: 1992-8645 <u>www.jatit.org</u> E-ISSN: 1817-3195

*Environmental Psychology*, vol. 28, no. 1, pp. 27–41, Mar. 2008, doi: 10.1016/j.jenvp.2007.10.002.

- [86] C.-Y. Li, "Persuasive Messages on Information System Acceptance: A Theoretical Extension of Elaboration Likelihood Model and Social Influence Theory," *Computers in Human Behavior*, vol. 29, no. 1, pp. 264–275, Jan. 2013, doi: 10.1016/j.chb.2012.09.003.
- [87] D. H. Tien, A. A. Amaya Rivas, and Y.-K. Liao, "Examining the Influence of Customer-to-Customer Electronic Word-of-Mouth on Purchase Intention in Social Networking Sites," *Asia Pacific Management Review*, vol. 24, no. 3, pp. 238–249, Sep. 2019, doi: 10.1016/j.apmrv.2018.06.003.
- [88] K. Mitra, M. C. Reiss, and L. M. Capella, "An Examination of Perceived Risk, Information Search and Behavioral Intentions in Search, Experience and Credence Services," *Journal of Services Marketing*, vol. 13, no. 3, pp. 208–228, Jan. 1999, doi: 10.1108/08876049910273763.
- [89] Y. Liu, S. Segev, and M. E. Villar, "Comparing Two Mechanisms for Green Consumption: Cognitive-Affect Behavior Vs Theory of Reasoned Action," *Journal of Consumer Marketing*, vol. 34, no. 5, pp. 442–454, Jan. 2017, doi: 10.1108/JCM-01-2016-1688.
- [90] A. P. Nugroho, D. Izzat, and W. Suhasti, "Peran Identitas Agama Terhadap Niat Menggunakan Kosmetik Halal : Perluasan Theory of Planned Behavior [The Role of Religious Identity on the Intention to Use Halal Cosmetics: Expansion of Theory of Planned Behavior]," *Ihtifaz: Journal* of Islamic Economics, Finance, and Banking, vol. 2, no. 2, pp. 89–106, Aug. 2019, doi: 10.12928/ijiefb.v2i2.921.
- [91] A. P. Nugroho, F. F. Atmaja, S. Mutaalimah, Y. Andriansyah, and S. Achiria, "The Effect of Price, Product Quality and Religiosity on Purchasing Behavior of Halal-Labeled Sariayu Beauty Products," presented at the 2nd Southeast Asian Academic Forum on Sustainable Development (SEA-AFSID 2018), Yogyakarta, Indonesia: Atlantis Press, Mar. 2021, pp. 348–352. doi: 10.2991/aebmr.k.210305.062.
- [92] A. Ali, "Islam, Science, and Islamic Social Ethics," *Islamic Studies*, vol. 35, no. 4, pp. 373– 408, 1996, Accessed: Jun. 16, 2023. [Online]. Available: https://www.jstor.org/stable/20836963

[93] A. K. Reinhart, "Islamic Law as Islamic Ethics," *The Journal of Religious Ethics*, vol. 11, no. 2, pp. 186–203, 1983, Accessed: Jun. 16, 2023. [Online]. Available: https://www.jstor.org/stable/40017705