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E-commerce Adoption and Consumer Behavior in the Post-Pandemic Era: a Case Study of Southeast Asia

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Abstract. The COVID-19 pandemic accelerated e-commerce adoption across Southeast Asia, reshaping consumer behavior. This paper analyzes post-pandemic purchasing trends using case studies from Indonesia, Malaysia, and Vietnam. Key factors influencing consumer preferences, such as convenience, trust, and digital payment adoption, are identified to guide business strategies in the evolving digital economy.

Keywords: E-commerce, consumer behavior, post-pandemic, Southeast Asia, digital payments.

1. INTRODUCTION

The COVID-19 pandemic has brought about significant changes in consumer behavior across the globe, with Southeast Asia being one of the most affected regions. Prior to the pandemic, e-commerce adoption rates in countries such as Indonesia, Malaysia, and Vietnam were already growing, but COVID-19 accelerated this trend in an unprecedented way. According to a report by Google, Temasek, and Bain & Company, the e-commerce market in Southeast Asia is expected to reach USD 102 billion in 2020, up from USD 38 billion in 2019 (Google, Temasek, & Bain & Company, 2020). This shows that the pandemic has been a catalyst for many consumers to turn to digital platforms to fulfill their daily needs.

As people around the world face social restrictions and lockdowns, consumers in Southeast Asia are looking for alternatives to physical shopping. In Indonesia, for example, more than 40% of consumers reported that they started shopping online for the first time during the pandemic (Statista, 2021). This change has not only impacted the way consumers shop, but also the types of products they choose, with demand for everyday necessities, health products, and electronics increasing.

In this context, it is important to analyze the factors that influence e-commerce adoption and consumer behavior in the post-pandemic era. This study will discuss how aspects such as convenience, trust, and adoption of digital payments contribute to changes in consumer behavior. With a better understanding of these dynamics, businesses can formulate more effective strategies to reach consumers in this evolving market.

Furthermore, this study will highlight differences between countries in Southeast Asia, given that each country has its own characteristics and challenges in e-commerce adoption. For example, in Malaysia, high internet penetration rates and relatively good logistics infrastructure have supported e-commerce growth, while in Vietnam, technology

adoption and innovation in digital payments have been key drivers (World Bank, 2021). By understanding the local context, businesses can more easily tailor their offerings to consumer needs.

Finally, this paper aims to provide in-depth insights into consumer behavior in the post-pandemic era and its implications for business strategies in the e-commerce sector. By identifying key trends and factors influencing e-commerce adoption, it is hoped that this study can make a significant contribution to the development of theory and practice in digital marketing in Southeast Asia.

E-commerce Adoption Trends in Southeast Asia

E-commerce in Southeast Asia has shown tremendous growth, especially after the COVID-19 pandemic. According to a report from e-Conomy SEA 2021, the total value of e-commerce transactions in the region is estimated to reach USD 177 billion by 2025, up from USD 62 billion in 2020 (Google, Temasek, & Bain & Company, 2021). This growth is driven by the increasing number of internet and smartphone users, which creates a larger market for online transactions. In Indonesia, for example, the number of internet users is estimated to reach 202 million in 2021, making it one of the countries with the largest internet users in the world (Statista, 2021).

One of the major emerging trends is the shift in consumer behavior towards online shopping. Consumers now prefer to shop from the comfort of their homes, leading to increased use of e-commerce apps and social platforms. In Malaysia, platforms such as Shopee and Lazada have seen a surge in new users, with Shopee reporting a 70% growth in transaction volume during 2020 (Lazada, 2021). In addition, many small and medium businesses (SMEs) that were previously not involved in e-commerce have begun to adapt by opening online stores to reach new customers.

In addition, the adoption of digital payment technology is also an important factor in the growth of e-commerce. In Vietnam, for example, the use of digital wallets such as MoMo and ZaloPay has increased rapidly, with MoMo recording more than 30 million users in 2021 (MoMo, 2021). The adoption of easier and safer payment methods not only increases convenience for consumers but also provides more confidence in online transactions. According to a survey by Mastercard, 54% of respondents in Southeast Asia said they felt more comfortable using digital payments after the pandemic (Mastercard, 2021).

However, despite significant growth, challenges remain. Issues related to data security and privacy are still a major concern for consumers. In Indonesia, 63% of

consumers expressed concerns about security when shopping online, indicating the need for e-commerce platforms to improve security and transparency in transactions (Kaspersky, 2021). Therefore, building consumer trust is key to driving sustainable e-commerce growth in the region.

In this context, it is important for companies to understand the market dynamics and evolving consumer behavior. By leveraging consumer behavior data and analysis, companies can design more effective strategies to attract and retain customers. This research will further explore how companies in Southeast Asia can adapt to these changes and capitalize on the opportunities that exist in the increasingly competitive e-commerce market.

Factors Influencing Consumer Preferences

In analyzing e-commerce adoption in Southeast Asia, there are several key factors that influence consumer preferences. One of the main factors is convenience. In today's digital era, consumers want convenience in shopping, and e-commerce offers solutions that meet this need. According to a survey by PwC, 73% of consumers in Southeast Asia stated that the convenience of online shopping is the main reason they switched to e-commerce (PwC, 2021). This shows that companies must focus on creating an intuitive and efficient user experience to attract more consumers.

Trust is also an important factor in influencing consumer behavior. In many countries in Southeast Asia, consumers still have concerns about the security of online transactions. A study by Nielsen showed that 67% of respondents in Indonesia were hesitant to shop online because they were afraid of fraud (Nielsen, 2021). Therefore, it is important for e-commerce platforms to build trust through transparency, positive user reviews, and clear return policies. Building a good reputation can help companies attract more customers and increase loyalty.

In addition, the adoption of digital payments also plays a role in shaping consumer preferences. With the increasing use of digital wallets and alternative payment methods, consumers now prefer to make transactions online. In Malaysia, for example, more than 50% of consumers use digital payments when shopping online (Bank Negara Malaysia, 2021). This shows that companies must offer a variety of payment options to meet diverse consumer preferences. By providing flexible and secure payment methods, companies can increase customer satisfaction and reduce shopping cart abandonment rates.

Another factor that influences consumer behavior is promotions and discounts. During the pandemic, many e-commerce platforms offered massive discounts to attract new

customers. In Vietnam, for example, platforms such as Tiki and Sendo launched aggressive promotional campaigns, resulting in a surge in sales during the period (Vietnam Ecommerce Association, 2021). Effective marketing strategies, including the use of influencers and digital advertising, can also increase product visibility and attract consumer attention.

Finally, social and cultural factors also play a significant role in influencing consumer behavior in Southeast Asia. With the influence of social media and online communities, consumers are increasingly connected and informed about the products and services available. Recommendations from friends or family can greatly influence purchasing decisions, making it important for companies to leverage community-based marketing strategies. By understanding these factors, companies can formulate better strategies to reach and serve consumers in this growing market.

Case Studies: Indonesia, Malaysia, and Vietnam

In this study, we will analyze three Southeast Asian countries—Indonesia, Malaysia, and Vietnam as case studies to understand the dynamics of e-commerce adoption and consumer behavior in each country. Each country has unique characteristics that influence how consumers interact with e-commerce platforms. In Indonesia, for example, the rapid growth of internet and smartphone users has created a huge opportunity for e-commerce. According to the Indonesian Internet Service Providers Association (APJII), internet penetration in Indonesia reached 77% in 2021, providing wider access for consumers to shop online (APJII, 2021).

In Malaysia, e-commerce has become an integral part of everyday life. Platforms such as Lazada and Shopee have become the go-to choice for consumers, with Lazada recording over 11 million monthly active users in 2021 (Lazada, 2021). In addition, the Malaysian government has also supported the growth of e-commerce through initiatives such as the Digital Economy Blueprint, which aims to increase the adoption of digital technologies among businesses and consumers. These policies have helped create a more conducive environment for the growth of e-commerce in the country.

Meanwhile, Vietnam is showing very rapid growth in e-commerce adoption, driven by a tech-savvy younger generation. According to a report by the Vietnam E-commerce Association, the e-commerce market value in Vietnam is estimated to reach USD 13 billion in 2021, with an annual growth rate of 18% (Vietnam E-commerce Association, 2021). Many local companies, such as Tiki and Sendo, have managed to attract consumers by offering relevant products and a pleasant shopping experience. Innovation in digital

payments is also a key driver, with more than 40% of online transactions using digital payment methods in 2021.

However, despite significant growth, challenges remain in each country. In Indonesia, for example, the underdeveloped logistics infrastructure is a barrier to efficient delivery of goods. In Malaysia, despite high internet penetration, there are still segments of society that are not yet fully accustomed to online shopping. Meanwhile, in Vietnam, despite high technology adoption, cybersecurity issues remain a concern for consumers. By understanding these challenges, companies can formulate better strategies to overcome obstacles and capitalize on opportunities in the e-commerce market.

Through this case study analysis, this research aims to provide deeper insights into how local factors influence e-commerce adoption and consumer behavior in Southeast Asia. With a better understanding of the local context, businesses can design more effective strategies to reach and serve customers in this growing market.

2. CONCLUSION AND IMPLICATIONS FOR BUSINESSES

The conclusion of this study shows that e-commerce adoption in Southeast Asia has grown rapidly, especially after the COVID-19 pandemic. Factors such as convenience, trust, and adoption of digital payments contribute to changes in consumer behavior, which in turn influences business strategies in the e-commerce sector. With a better understanding of these dynamics, companies can formulate more effective strategies to attract and retain customers.

The implications for businesses are clear. First, companies should focus on creating an optimal user experience, prioritizing ease of navigation and a simple checkout process. Second, building consumer trust through transparency and secure transactions is key to attracting more customers. Third, offering a variety of payment options that suit local preferences will increase customer satisfaction and reduce cart abandonment rates.

In addition, companies must also pay attention to effective marketing strategies, including utilizing social media and influencers to increase product visibility. By understanding consumer behavior and their preferences, companies can design more targeted and relevant marketing campaigns. Finally, companies need to continue to monitor trends and changes in the market to stay relevant and competitive in the ever-growing e-commerce industry.

Thus, this study provides a comprehensive picture of e-commerce adoption and consumer behavior in Southeast Asia. It is hoped that these findings can be a guide for

business actors in formulating better strategies to reach and serve customers in this postpandemic era.

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