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for

THE 4th ASIA-PACIFIC MANAGEMENT RESEARCH CONFERENCE

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The Impact of Security and e-WoM to Purchase Decision with Trust as Mediator in Online Shopping Through the Shopee Application

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Lila Setiyani, Sri Purwani, Anggi Elanda, Darmansyah, Yeny Rostiani

At the end of 2019, the world community was shocked by the outbreak of a new virus, namely the coronavirus disease. In Indonesia itself, various efforts have been made to prevent the spread of the virus, including by implementing Large-Scale Social Restrictions or PSBB. The implementation has an impact...

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Nguyen Thi Mai Anh, Nguyen Thi Hue

Along with the development of the Internet and digital technologies, online shopping is becoming more and more popular worldwide in recent years. It is worth noting that online shopping has been increasingly noticeable by consumers in the half of 2020, since the COVID-19 pandemic outbreak. Amidst the...

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Pandu Adi Cakranegara, Bastanta Prawira Tarigan

The capital market is an important integral part of the economy. The Indonesian capital market is growing at a higher pace compared to the Indonesian economy. An interesting phenomenon that occurred during the Covid 19 Pandemic was that the recovery of the capital market in Indonesia happened before...

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Foreign Workers and Investors in Indonesia: Border Control Practices and Challenges During the Covid-19 Outbreak

Ridwan Arifin

Flocks of foreign nationals as top-level managers, high-skilled workers, and investors are encouraged to work at multinational companies and invest a great amount of money in some national strategic projects during the Covid-19 pandemic. The Indonesian government has responded to these situations, particularly...

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Do Women on Board, Institutional Ownership, and Governance Committee Relate to Environmental, Social, Governance (ESG) Disclosure?

Nikita Lee, Zaidan Al-Baihaqi Heryana, Nora Sri Hendriyeni

The ever-increasing market demand for transparency of performance information and company policies regarding the disclosure of Environmental, Social, and Governance (ESG) practices encourages shareholders to use ESG in

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Yueh-Hsuan Lee, Li-Shiue Gau, Shu-Hua Liao, Pao-Hsiang Lin, Yung-Mao Seieh, Chung-Hsing Huang

Taiitang (太乙堂) I Ching and geomancy research and consulting center in the middle of Taiwan provides Chinese numerology and astrology consulting service and products such as "lucky seal (開運印鑑 in Chinese)." Along with the consulting service, the lucky seal is recommended after a special personal blessing...

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Terrylia Feisrami, Erlinda Nusron Yunus

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Mei-Hua Liao, Chun-Min Wang, Ya-Lan Chan

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Ronny Immanuel Hutaauruk, Erlinda Nusron Yunus

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Ton Nguyen Trong Hien, Pham Thien Vu

Small and medium-sized enterprises (SMEs) play a major role in economic growth in developing countries. For Vietnam, research on issues related to SMEs has grown significantly, as evidenced by increased interest and publication momentum by academic scholars. This study contributes an overview of the...

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Management is an essential reference in overcoming problems to achieve goals, including mental health counseling services in schools that require students to obey them. The low awareness of stigma and shame towards early detection of mental health both require management to create mental health schools...

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Analyzing the Suitability of Time Series and Associative Forecasting Methods for Cotton Bud Product

Siti Cahya Santini, Devilia Sari, Lidya Nur Assifa

At PT DBAS, the main problem is the problem of BABY-GRADE-A supply/demand. If a production shortage occurs, the company loses sales leading to overwork and costs. Likewise, suppose there is overproduction, even though the product is durable with a more extended expiration date. In that case, warehousing...

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A Marketing Communication Strategy for Informal Workers BPJS Ketenagakerjaan 2022–2024

Rizky Julianawati, Riama Y. Simamora, Pepey Riawati Kurnia, Rike Penta Sitio

Social security provided by BPJS Ketenagakerjaan is mandatory for all workers in Indonesia. However, data for 2021 shows that active participants in the BPU (informal) segment are only 6% of the potential data set by Bappenas. This study aims to formulate a marketing communication strategy for the BPU...

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Firm Value Effect of Managerial Ability and External Control Mechanism: Mediation Role of Financial Reporting Quality

Fransiskus Eduardus Daromes, Suwandi Ng

The aim of this study is to prove that managerial ability and external control as proxied by audit quality are predictors of financial reporting quality which

in turn affect firm value. The empirical model of this research is constructed on the basis of Stakeholder Theory and Agency Theory. The population...

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Publications of Toba Bataknese Culture (Multimodal Analysis of ZONABATAK Instagram Account Uploads)

Marudut Bernadtua Simanjuntak, Ninuk Lustyantie, Ifan Iskandar, Aceng Rahmat, Samsi Setiadi

The existence of social media, such as Instagram, Facebook, and Twitter, makes it easier to promote and introduce a product or work, whether for personal, group, ethnic, or national interests. Especially in a pandemic situation, literary works and regional (traditional) arts and culture, usually shown...

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Analysis of the Use of Mobile Banking Using the Unified Theory of Acceptance and Use of Technology (UTAUT-2), Trust and Word-of-Mouth (WOM) for BNI Customers in Bandung

Cucu Alex Zaenudin, Dodie Tricahyono

The current digital era 4.0 encourages various business sectors to carry out digital transformation, one of which is carried out by the banking sector, which has begun to utilize smartphone technology in conducting digital-based banking financial transactions using mobile banking applications. However,...

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The Influences of Perceived Credibility and Consumer Attitude Towards Purchase Intention of Some by Mi's YouTube User Generated Content

Rheina Febriane, Wahyudi Wibowo, Yulika Rosita Agrippina

User Generated Content (UGC) has become one of the media to share opinions or aspirations from social media users. One of the social media that can be used for UGC is YouTube. People tend to watch UGC videos regarding product reviews before making the decision to buy a product. One of the products where...

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A Case Study of New Era Art Resort & Spa About Its Business Evolution and Coping Strategies with Covid-19

Tsai-Yu Lai, Li-Shiue Gau, Chung-Hsing Huang

This case study takes the "New Era Art Resort & Spa" as the study case. This research aims to explore the evolution of its business models and managerial strategies used when facing the business crisis caused by Covid-19. For research methods, this study adopts the case study method and inquiry research...

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The Impact of Security and e-WoM to Purchase Decision w Trust as Mediator in Online Shopping Through the Shopee Application

Novena Qirana Ranti, Deatri Arumsari Agung, Lena Ellitan

The number of e-commerce popping up in Indonesia, shifting Indonesian buying behavior from offline to online. The largest e-commerce company in Indonesia now is Shopee, therefore this research aims to analyze the impact of security and electronic word of mouth (e-wom) on purchase decisions with trust...

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Influence of Organizational Change on the Employee Performance of PT. PLN (Persero) ULTG Bintan

Dwi Septi Haryani, Yoga Akbar Bastanta

Over time, Indonesia grows and continues to innovate in the industrial sector. Therefore, PLN, as one of the State-Owned Enterprises (BUMN), is expected to continue to innovate to assist industrial development through increasing investment and providing reliable electricity. PT. PLN is carrying out a...

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Exploring an E-Commerce Business Model for Pets from the Perspective of Service Blueprints: The Company of Fan Ai Pet

Tsai-Yu Lai, Li-Shiue Gau, Chung-Hsing Huang

Since the Covid-19 pandemic increased the chance for people to stay indoors, this likely pushed entrepreneurs to use e-commerce platforms for business and led to a higher demand for pets as companions. The primary purpose of

this research attempts to construct comprehensive pet e-commerce for t
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Strategy in Increasing "My Keranjang" Income as Micro Small and Medium Enterprises (MSME) Through Digital Marketing

Fitra Pinandhita, Ana Dhaoud Daroin

This study is intended to determine the strategies used to increase MSME income through digital marketing. The sample in this study was selected based on the following criteria: 1) MSMEs that develop through digital marketing; 2) MSMEs have achieved international market share, so they are relevant to...

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Muhammad Hasim Habibil Mustofa, Cyntia Keliat

Changes and uncertainties have become the highlight of everyone's life in the 21st century. It is unavoidable that agility becomes the survival kit, specifically in how society, economics, technology, and job requirements have been going. Thus, education must respond by providing services and upgrading...

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Fashion-Buying Decisions at Shopee Are Influenced by Pri Convenience and Trust

Tin Agustina Karnawati

Advancement in technology positively impacts easier communication technology that meets human needs. Shopee has become one of the marketplaces preferred by the public with increased usage, mainly as a practical shopping of a product. Online shopping trends have become an interesting choice in providing...

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Family-Friendly HRM Policy in Kepulauan Riau, Indonesia

Mirza Ayunda Pratiwi, Eka Kurnia Saputra, Muhammad Rizki, Dwi Septi Haryani, Anggia Sekar Putri

UNICEF suggested implementing a Family Friendly Policy (FFP) to save future generations, promote gender equality, longer life expectancy, reduce poverty, and sustainable growth. FFP can promote work-life balance, healthier, happier families, and better job performance. Therefore, the human resource department...

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Contributing Factors to Women Start-ups Leaders' Survival Through the Pandemic in Indonesia A Qualitative Approach

Deatri Arumsari Agung

This study aims to identify the factors impacting their entrepreneurial journey in the national innovation system and to develop a conceptual

framework for the sustainable development of women enterprise leaders survive through the pandemic. A multiple case study approach is used in study, in...

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Should I Blow the Whistle? An In-Depth Study Towards Revealing Determinants of Whistleblowing

Erlinda Nusron Yunus, Yunita Andi Kemalasari

This study explores why employees in an organization report or do not report unethical practices in the workplace. This study applies a qualitative approach using focus group discussions to 19 informants selected based on employee characteristics (such as type of employee, tenure, and managerial position)...

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Qualitative Paradigm of Risk Management

Lufina Mahadewi, Surachman Surachman, Djumilah Hadiwidjojo, Nur Khusniyah Indrawati

Researches on risk management in the context of entrepreneurship have limitations in examining behavioral aspects as a research paradigm. The use of a qualitative research paradigm has relevance in understanding the human perspective on the role of risk management in creating entrepreneurial value and...

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Student Satisfaction Analysis of Academic Service Quality at STMIK Rosma Using Service Quality Framework

Lila Setiyani, Darmansyah, Karya Suhada, Yudiana, Evelyn Tjandra

STMIK Rosma must continually improve the quality of the best service so that students who are academic community members are not disappointed with the existing services, especially in the academic field. This study aims to measure student satisfaction and improve service if the service provided is not...

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Analysis Adoption e-Commerce SMEs Using Innovation Diffusion Theory Framework (Case Report: Karawang District)

Lila Setiyani, Dikky Andreansyah, Rahmat Gunawan, Arif Maulana Yusuf, Dudi Awalludin

Karawang Regency is one of the regencies in West Java Province with many MSMEs and has much potential to improve the regional economy by increasing MSME productivity. Seeing the rapid growth of MSMEs, it is interesting for researchers to measure the level of e-commerce adoption, especially in Karawang...

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Vietnam Tourism Industry During Covid-19 Pandemic: Issues and Solutions

Huong Tran Thi

Tourism, a key initiator of foreign exchange of almost economies, is the industry hardest hit by the COVID-19 pandemic. Through surveying literature, industrial reports, and statistical figures, this paper analyzes the multidimensional impact of the pandemic on the tourism industry, forecasts, and proposes...

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The Importance and Use of Management Accounting Practices: Descriptive Study During the Covid Pandemic

Dyna Rachmawati, Jessica Wijaya, Anjelina

This study aims to describe the importance and use of management accounting practices (MAP) in consumer goods companies during the covid pandemic. In its development, MAP is divided into four phases. Phase 1 of MAP is cost determination and financial control (CDFC). Phase 2 of MAP is the provision of...

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Vietnamese Micro-enterprise During Covid-19 Pandemic

Nguyen Thi Mai Chi

Micro-enterprises are enterprises with a very small scale of operation, operating in many business fields such as commerce, services, transportation, construction, etc. These enterprises are numerous, widely distributed across localities, and make significant contributions to the economy. However, with...

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Pham Mai Chi, Pham Thi Thanh Hong

Factually, digital transformation has become an inevitable trend for businesses in the world as well as in Vietnam. However, to gauge the extent of businesses' digital transformation, we need to know how digital maturity is. This article introduces the concepts of digital maturity, the relationship between...

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Effectiveness of Integrative Application of Quality Management Systems with Productivity and Quality Improvement Tools in Businesses

Tran Binh, Nguyen Thi Hong Van, Nguyen Hoang Lan

Within the scope of Program 712, in 2020, Directorate for Standards, Metrology and Quality – Ministry of Science and Technology cooperated with Asia Management Consulting and Business Development Company Limited to perform the research on “replicating the application of management systems combined with...

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Factors Influencing Consumer Buying Behavior of Confectionery Products of Domestic Enterprises: An Empirical Study in Hanoi

Nguyen Thi Thanh Dan, Pham Thi Kim Ngoc

For decades, consumer buying behavior has drawn the interest of many researchers. This study reviews theory and previous studies to systematize the theoretical basis for analyzing the factors influencing consumer buying behavior of domestic confectionery products in Hanoi. Research findings show that...

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Research on Vietnamese Consumer Behaviour Towards Organic Products at Mini Supermarkets

Nguyen Tai Vuong, Nguyen Thi Thu Thuy, Nguyen Thi Nhu Van, Nguyen Hoang Lan

This study explores and analyses the factors affecting consumers' buying behaviour towards organic food at a mini supermarket, thereby proposing some implications. Partial least squares structural equation modelling was used to test the study hypotheses. Data was collected by surveying customers who...

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A Digital Maturity Model for Electronics Manufacturing Firms Toward Servitization with Integrated Approach

Pham Minh Hoang, Pham Thi Thanh Hong, Nguyen Thi Nguyet, Ngo Dien Hy

The growth speed of top trending for global firms, the digital transformation (DT), has become steadier than ever by the advancement of digital technologies as well as the COVID-19 pandemic. In order to implement a

digital evolutionary path appropriately, the Digital Maturity Model (DMM) been seen...

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Giang Nguyen Thuc Huong, Hanh Minh Thai, Dao Thanh Binh

Along with the trend of applying business governance in Vietnamese public higher education institutions, agency problems become an important issue that the public higher education institutions have to face. There are many ways to reduce agency problems, and one of them is to take advantage of the internal...

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Customer Analytic in Vietnamese e-Commerce Firms: Status Quo and Its Influences on Firm Performance

Thanh Vu Ngoc, Huong Tran Thi

This study presents the current situation of customer analysis of e-commerce enterprises in Vietnam. In addition, this study investigates the quantitative relationship between customer analytics adoption, innovation, and firm performance. We built a research model based on the literature review that...

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Strategic Alliance and Tacit Collusion, of Competitive Advantage Through Market Area, Product Innovation Cooperativa Café Timor and National Cooperative Business Association (CCT-NCBA) in Timor Leste

Silvester Xavier Sufa Efi

This study aims to prove that the implementation of strategic alliance and tacit collusion can increase the competitive advantage of CCT-NCBA in organic coffee production by developing market areas and product innovation. This study aims to prove that implementing a strategic alliance can increase the...

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Tax Incentives, Growth Opportunities, Investment Opportunities, and Prudence Accounting

Gunawan Alvi, Lodovicus Lasdi, Dirgantara Dahana Mokoginta

Accounting prudence is a cautious or careful reaction in the face of uncertainty experienced by the company. In the face of this uncertainty, the company can recognize revenue even though it is still in the form of potential, as long as the revenue recognition requirements have been met. This study aims...

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Hana Budiyati, Hendra Wijaya

Earnings quality is one of the indicators to assess the level of success of the company's operations. Many factors affect earnings quality, one of which is the diversity of the company's board of directors and public ownership. This study examines the effect of board diversity, including gender, age,...

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Does Experiential Marketing and Lifestyle Impact on Customer Loyalty? (Study at Excelso Coffee Shop Kupang Nusa Tenggara Timur Indonesia)

Mellany Gwendelina Angelica Mafea, Visi Saujaningati Kristyanto, Robertus Sigit Hariwibowo Lukito

The food and beverage industry is one of the sectors most affected by the pandemic. Social restrictions to reduce the spread of the covid virus are carried out by lowering outdoor activities, including shopping and eating out. To survive in the business world, companies must have a strategy to increase...

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The Effect of Enterprise Risk Management Disclosure, Capital Structure, and Dividend Policy on the Firm Value

Paulus Adan Lasau, Sofian

Business developments in the era of globalization caused by the modernization of information technology have a significant impact on the business world. Financial statements become the key or value of the company

that can be sold to external parties such as potential investors or shareholders to assess...

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The Effect of Corporate Governance Mechanism on Company Value with Earnings Quality as Mediation

Gracio Isaac Febrian Tenggono, Lodovicus Lasdi, Natalia Kristina

Firm value is an investor's response to the company, usually associated with stock prices. Companies with high stock prices are considered to have high company values. This is because public interest can affect stock prices in the market. One of the factors that can increase public interest is the...

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The Risk-Based Audit Program Design for Export Activities at PT. PAMAS Indonesia: New Normal Preparation

Dyna Rachmawati, Gabriella Diana Prasetyo, Hendra Wijaya, Tineke Wehartaty, Shanti, Mudjilah Rahayu

This study aims to design a risk-based audit program for export activities and the consequences of VAT to help PT. Pamas Indonesia in preparing for the post-covid activities. This study uses a qualitative approach with a case study method. The case faced by PT. Pamas Indonesia is to identify the risk...

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Esti Dwi Rinawiyanti

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The Impact of Security and e-WoM to Purchase Decision with Trust as Mediator in Online Shopping Through the Shopee Application

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Abstract. The number of e-commerce popping up in Indonesia, shifting Indonesian buying behavior from offline to online. The largest e-commerce company in Indonesia now is Shopee, therefore this research aims to analyze the impact of security and electronic word of mouth (e-wom) on purchase decisions with trust as a mediator in online shopping through the Shopee application. This study uses a quantitative deductive approach. The analytical technique used in this study is SEM-PLS analysis using the smartPLS program. The population in this study is Shopee users in Makassar, with a sample size of 150 respondents, using the purposive sampling technique. This research proves that security and e-wom significantly affect purchase decisions. This study demonstrates that security and e-wom significantly affect trust. Then, this study also demonstrates that trust has a significant effect on purchase decisions. Trust is also significant as a mediator between security and purchase decision, as well as between e-wom and purchase decision. This research suggests that Shopee should improve the quality of payment information security, explain the information that must be given in the review column, increase trust by keeping promises made to customers, and update the security system to make users feel protected.

Keywords: Security · Electronic Word of Mouth (e-WOM) · Trust · Purchase Decision

1 Introduction

Along with the development of the current period, technology and information in the world, particularly the internet, are evolving at a fast pace. The internet is a form of technological progress; nowadays, almost all people are familiar with the internet, especially in the urban area. With the internet, people will find it easier to find and get something, primarily to support their activities, such as business processes. According to data from the Association of Indonesian Internet Service Providers (APJII), the development of internet users continues to increase. The number of internet users in Indonesia reached 196.7 million, according to the results of a survey performed by the Association of Indonesian Internet Service Providers (APJII) during the 2019-quarter II/2020 timeframe. When compared to 2018, this figure climbed by 23.5 million, or 8.9%.

The development of the internet in Indonesia has impacted consumer behavior in purchasing a product or service. Various purchasing and selling operations that were previously exclusively done in person can now be conveniently accessed utilizing simply a smartphone or mobile phone, often known as Online Shopping. Assessed, online shopping is cheaper and able to save time shopping. Thus, making online shopping more preferred by the public. Online shopping is a commercial or economic activity that requires the use of communication and information technology applications in each transaction. These technological developments have shifted consumer behavior from buying offline to purchasing online or through e-commerce, thus driving the growth of e-commerce increasingly rapidly.

The trend of e-commerce users in Indonesia is increasing quite rapidly every year. Thus, the growth in the number of e-commerce users will continue to increase in the next few years. Indonesia is predicted to be at the top in the next few years in this sector. Furthermore, with the survey results released by Merchant Machine regarding the list of ten countries with the fastest e-commerce growth globally, Indonesia is the country that leads the ranks. The e-Conomy SEA report reveals that the digital economy in Indonesia is expected to reach US\$44 billion, equivalent to Rp624.2 trillion in 2020, and almost triple in 2025 to reach around US\$124 billion. In a report entitled “At full velocity: Resilient and Racing Ahead”, Managing Director of Google Indonesia, Randy Jusuf, said the trade sector grew 54 percent to US\$32 billion in 2020, from US\$21 billion in 2019.

This new digital industry is known as electronic commerce (e-commerce). Consumers feel benefited by the existence of a marketplace that provides various needs to be purchased without going around looking for stores that provide these goods. The composition ranks of The Most Active Cities Online Shopping Through Marketplaces in Indonesia almost consistently in this order every year. There was a slight change in the 2020 research, where in 2015–2016 Bandung succeeded in shifting Medan in third place, but in 2020 Bandung was ranked sixth with a percentage of users of 4%, and Medan was in fourth place with a percentage of users. 5%, which is outperformed by the total percentage of users 9% from Yogyakarta. Consumers in Jakarta are proven to have a high interest in shopping still using the marketplace. Which is Jakarta is still ranked 1 and the number of marketplace users in the cities of Makassar and Balikpapan is still stable until 2020. From Quarter 4 2019 to Quarter 3 2020, the number of Shopee Marketplace users continues to increase. From 55.9 million in Q 2019 to 96.5 million in Q3 2020. A significant increase in the number of visits made Shopee skyrocket to rank 1 [28]. The highest user in 2021 is still occupied by Shopee with around 129 million visitors.

Using e-commerce to make purchases online is different from shopping directly or offline in conventional markets. In online shopping online, buyers do not need to leave the house or go shopping because all they need is to order the item, and then the item will be delivered to the house. However, when shopping offline, shoppers have to shop around and spend much time looking for places to shop that they like or usually [6]. Online shopping and direct purchases in stores have significant differences, where customers are able to assess a product so that it can lead to a desire to make a purchase decision.

The purchase decision will be present in a buying process after considering the needs felt by consumers and the existence of other activities or activities carried out before the purchase, and the large number of funds owned. Building a consumer purchase decision in the Shopee application impacts maintaining the market that Shopee currently has. Increasing the number of high purchases or sales is the desired goal by Shopee because the company will be judged to be better if sales increase. The occurrence of Shopee user traffic to make purchases can provide more significant opportunities or opportunities to increase company revenue. Therefore, it is essential for Shopee, as the most popular marketplace in Indonesia, to pay attention to consumer purchasing decisions to maintain the market.

One factor influencing purchasing decisions is trust because maintaining relationships with customers needs to be considered financially by the company. When a person is shopping online, a buyer's main thing is whether they trust the website that provides an online shopping and the online seller on the website. The popularity that the Shopee marketplace has achieved in Indonesia proves that Shopee has succeeded in creating good relationships with customers by creating trust. The trust that has significantly arisen affects the number of users or buyers of products on Shopee every time. If there is no trust from buyers, online transactions at Shopee are not possible.

Many factors affect consumer confidence to decide to make a purchase, one of which is security. One thing that is often mentioned why consumers are less likely to make online purchases is that they are worried about the consequences they will face [10]. Shopee ensures client security by employing the Consumer-to-consumer Marketplace business model, which requires buying and selling transactions to use online transaction facilities such as escrow services or third-party accounts to assure transaction security. On the Shopee online shopping site, security is designed quite well for both parties through a structured ordering system, namely the provision of a joint account, a specified delivery time limit, and a proper amount of shipping costs.

The second factor that can influence consumer confidence in purchasing decisions is the Electronic Word of Mouth. When there is an exchange of information through electronic word-of-mouth (e-wom), consumers will evaluate the product so that positive and negative reviews will affect trust and consumer decisions to make purchases [21, 26]. The comments on Shopee regarding the products being sold will be helpful information to encourage potential Shopee consumers to believe and decide to shop at Shopee. So that it can develop Shopee's marketing network to be more comprehensive and Shopee has the opportunity to get new customers.

The description above shows that Shopee is obliged to build a consumer purchasing decision because it affects the existence of the market, which can make sales better, and income will increase. Then, trust dramatically affects the number of users or buyers of products on Shopee every time because if there is no trust from buyers, online transactions at Shopee are impossible. The creation of security at Shopee can affect the comfort and trust of consumers, which leads to online purchasing decisions and can increase the number of sales transactions. Furthermore, the existence of e-wom will easily influence potential consumers to believe because there are recommendations from other people who have felt the benefits of the product or service they want to buy at Shopee so that consumers will make a purchase. Based on the author's explanation regarding the

importance of building security and implementing e-wom, it can affect trust in purchasing decisions when shopping online, prompting the author to examine these variables in one of the international marketplace companies, namely Shopee.

2 Literature Review and Hypothesis Development

2.1 Marketing Management

Marketing management is analyzing, planning, implementing and controlling activities in marketing that include ideas, goods, and services based on exchange to generate consumer satisfaction and producer responsibility [15]. Marketing management is defined as the analysis, planning, implementation, and control of programs meant to create, establish, and established and operated exchanges with the company's target buyers. Marketing management is a straightforward and enthralling idea. According to this concept, the reason for a company's socioeconomic existence is to satisfy the demands of consumers and these wishes by the company's aims.

2.2 Security

Security is one of the essential aspects of a buying and selling application [1]. Security is vital in performing online transactions because it entails preventing or at least detecting fraud in an information-based system where the information itself has no physical substance [13]. In general, the concept of security in online transactions refers to the ability of an e-commerce site to protect consumers from various potential threats [12]. According to research previously there are three dimensions of security, including online security websites, data confidentiality, and personal data and transaction data damaged [8].

2.3 Electronic Word of Mouth

In the marketing concept, WOM is described in the marketing idea as "face-to-face dialogues among customers concerning a product or service experience. However, rapid technological advances encourage consumers to share information related to products that have been used via the internet, increasing the potential for e-WOM to occur. According to research previously, electronic word of mouth is a theoretically and good or negative message made by consumers who have used a company's products or services and may be reached many individuals and institutions through the internet [19]. In addition, that e-wom has a role as a provider of information for non-commercial consumers about a product and influences consumers' decisions before making a purchase [27]. According to research previously, there are three measurements of electronic word of mouth (e-wom), namely e-wom quality, e-wom quantity, and sender expertise [4].

2.4 Trust

In the marketing concept, WOM is described in the marketing idea as “face-to-face” dialogues among customers concerning a product or service experience. However, rapid technological advances encourage consumers to share information related to products that have been used via the internet, increasing the potential for e-wom to occur. In addition, [27] also said that e-wom has a role as a provider of information for non-commercial consumers about a product and influences consumers’ decisions before making a purchase. According to [8], there are three dimensions of trust, including ability, benevolence and integrity.

2.5 Purchase Decision

[5] described purchasing decision as an activity done by consumers to acquire a product. As a result, customer purchasing decisions are made by selecting numerous problem-solving options with accurate follow-up. Following that, the consumer can examine the option and decide what attitude to adopt next. According to [18], purchasing decisions are choosing several choices of two or more. It can be said that in making a decision, one must determine one alternative from another. If someone decides to buy because they are faced with the choice to buy or not to buy, it is a position to decide. According to [2, 4], the dimensions of a purchase decision, include information quality, security and benefits.

2.6 Hypothesis Development

Security affects decision-making in online transactions; consumers or users will make decisions after their security is guaranteed. [7] state that security significantly affects purchasing decisions. Because when shopping online, transactions are done on the web without face-to-face so the security guarantee of prospective buyers is needed. Some research proves that security positively affects purchasing decisions. When deciding on an online purchase, consumers will feel comfortable when there is a clear privacy policy statement or a statement about managing their consumer data on the website. Then, research conducted by [16] has proven that security affects purchasing decisions because security can make users feel safe and comfortable, improving purchase decisions in e-commerce. Moreover, research conducted by [22] proves that security positively affects purchasing decisions. Improving the security system by e-vendors has made more and more internet users make purchases. Based on the description, the first hypothesis proposed in this study is as follows:

H1: Security has a significant effect on purchase decision

According to [23], electronic word of mouth (e-wom) plays a significant role in influencing purchasing decisions in online media before buying a product or service because prospective consumers can get various information through e-wom. E-wom positively influences purchasing decisions because customers can see the opinions of colleagues or other honest parties about a product. [11] research proved that electronic word of mouth

positively affects purchasing decisions. This is because reviews from consumers who have used the product can show that both the advantages and disadvantages of a product significantly affect customers' decision to make a purchase. Furthermore, [2, 4] research proved that e-wom does not positively influence purchasing decisions because customer reviews do not represent the entire product or service received. Not all buyers provide reviews, and not all senders send images, so reports are considered less informative. Based on the description, the second hypothesis proposed in this study is as follows:

H2: E-wom has a significant effect on purchase decision

According to [9] security plays a positive role in trust because consumers will believe when they feel that the seller provides security. It suggest that security has a significant effect on trust. This is because the security of the internet environment or website will affect the emergence of trust in the site. There is also an argument said that security positively affects trust because when online media or sellers increase security for customers, customer trust will increase. In addition, research conducted by [14] proves that favorable safety affects trust. This is because the higher the security provided by the seller, which is reflected through transaction security guarantees and data confidentiality, the higher consumer confidence. Nevertheless, research conducted by [8] proves that security positively affects trust. When security is built and guaranteed to consumers, it will lead to the emergence of consumer confidence. Based on the description, the third hypothesis proposed in this study is as follows:

H3: Security has a significant effect on trust

The research conducted by [20] proved that e-wom positively influences trust in e-commerce transactions because a clear and attractive e-wom helps the emergence of trust. [24] said that the emergence of trust positively controls electronic word of mouth because prospective customers trust the recommendations of people who have bought or consumed a product. [6] suggest that e-wom influences positively toward trust. Through e-wom, customers can collect information about a product and conduct evaluations before purchase to affect trust from consumers. Nevertheless, another research proved that e-wom positively affects trust. Electronic word of mouth found in online shops or marketplaces can trigger consumer interaction to provide information about product advantages to potential consumers, increasing trust. Similarly, research conducted by [29] reveals that e-wom has a positive effect on trust. Within e-wom there is information about the product, the attitude of the merchant, and information on the period of goods until the intended from customers who have bought a product that will encourage the confidence of prospective consumers. Based on the description, the four hypotheses proposed in this study are as follows:

H4: E-wom has a significant effect on trust

[14] research proves that trusts have a positive effect on purchasing decisions. Consumers feel that sellers are competent, provide good service to consumers, and can be trusted, influencing trust to make purchasing decisions. Likewise, research conducted

by [20] states that there is a positive influence on trust on purchase decisions because the convenience, satisfaction, and responsibility that e-commerce provides to customers encourage consumer confidence to make purchases. Trust plays a positive role in purchase decisions in e-commerce because consumers will not decide to purchase if they do not trust the seller [3]. [7] stated that trust significantly affects purchasing decisions because of online communication; consumers only do not meet in person and see products in images. [17] argues that trust influences purchasing decisions because the seller can create a good relationship or communication and provide the product as desired. Customers will increase trust to make purchases. Based on the description, the fifth hypothesis proposed in this study is as follows:

H5: Trust has a significant effect on purchase decision

Research conducted by [1] proves that security significantly affects trust-mediated purchasing decisions. When online sellers regulate security well, the higher the trust and the easier it is for consumers to make their purchase decisions. Also, [14] research proves that security plays a positive role in trust-mediated purchase decisions. The security provided by the seller, which is reflected through transaction security guarantees and data confidentiality, makes consumer confidence increase so that there is a decision to buy in e-commerce by consumers. Based on the description, the sixth hypothesis proposed in this study is as follows:

H6: Trust mediates the effect of security on purchase decision

Based on research conducted by [20] proved that e-wom influences the purchase decision mediated by the trust. E-wom helps choose the right product or brand, gathers information from reviews before buying a product, and eliminates self-confidence concerns. So that the purchase decision will arise when buying the product. Similarly, research conducted by [25] found that consumer confidence has a full role in mediating the relationship between e-wom and consumer purchasing decisions on online shopping sites. Seeing and reading e-wom in the form of comments used by consumers as an evaluation of products or services on online shopping sites make consumers be more confident in a product. So, consumers who already have trust will decide to make a purchase on the site. Based on the description, the seventh hypothesis proposed in this study is as follows (Fig. 1):

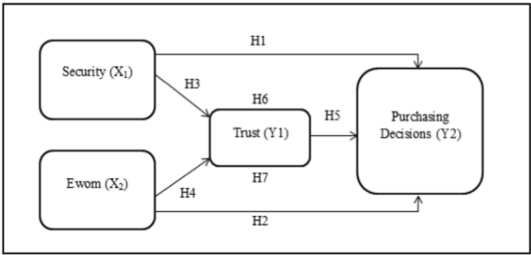


Fig. 1. Research Model. Source: developed by authors (2021)

H7: Trust mediates the effect of e-wom on purchase decision

3 Research Methods

In this research, the type of research used is causal research. The method used in this research is a quantitative approach. Collecting data will be done using a questionnaire. The population in this study was carried out on the Shopee users in Makassar. The amount of sample is 150 respondents. The criteria used for sampling consist of at least 17 years old, domiciled in Makassar, and have used the Shopee application to shop online at least 2 (two) times in the last six months. The measurement of variables in this study uses five points of the Likert Scale. This study uses a quantitative deductive approach to test hypotheses and establish facts or truths from a theory. This research will have an accurate purpose design for research, techniques or method to be implemented for collecting and analyzing research will be done using a questionnaire.

3.1 Population and Sample

The population in this study was carried out on the Shopee users in Makassar. The amount of sample is 150 respondents. The criteria used for sampling consist of at least 17 years old, domiciled in Makassar, and have used the Shopee application to shop online at least 2 (two) times in the last six months.

3.2 Variable Research

The independent variables in this study are security and electronic word of mouth (e-wom). The mediating variable in this study is trust. The dependent variable in this study is purchase decision.

3.3 Variable Measurement

In this research, data is measured by respondents' perceptions of the questions or statements submitted. The measurement of variables in this study uses a five-point of Likert Scale. Likert Scale is a scale that measures one's agreement or disagreement with a series of statements relating to beliefs or behavior regarding an object.

4 Result and Discussion

The average respondent's response to security was 4.031 states that Shopee has the ability to protect the security of transactions and consumer data from various potential threats to prevent fraud or at least detect fraud by sending information to users or customers. The standard deviation of security has a value of 0.754, which is smaller than the average value. So, it can be said that the data is homogeneous. This means that the average security has a low deviation in the data set so that the data obtained can represent the entire population (Table 1).

Table 1. Descriptive Test Results

No.	Variable	Mean	Standard Deviation	Class Interval
1	Security	4.030	0.754	Agree
2	E-wom	4.106	0.781	Agree
3	Trust	4.032	0.713	Agree
4	Purchase Decision	4.250	0.659	Strongly Agree

The average response from respondents to Electronic Word of Mouth (e-wom) was 4.106 states agreed that Shopee's consumer responses in the form of reviews and ratings that show reputation, popularity, and good sales of a product or service can attract the attention of Shopee users. The standard deviation value of e-wom is 0.781, which is smaller than the mean value. So, it can be said that the data is homogeneous, which means that the average e-wom has a lower level of deviation in the data set so that the data obtained can represent the entire population.

The average response of respondents to the Trust was 4,032, stating that trust is important and needs to be considered by Shopee by building mutually beneficial relationships, honesty, good service, the accuracy of Shopee's promises to customers, and the ability to secure transactions that can encourage customer confidence to use Shopee. The standard deviation value of Trust is 0.713, which is smaller than the mean value. So it can be said that the data is homogeneous, which means that the average Trust has a low deviation rate in the data set so that the data obtained can represent the entire population.

The average respondent's response to a purchase decision was 4.250 agreed if there are good and useful information, good security protection, and comfort felt by Shopee users, it can lead to a purchase decision that is the final action after going through several processes in choosing a product or service carried out by Shopee consumers. The value of the Purchase Decision standard deviation is 0.659, which is smaller than the mean value, so it can be said that the data is homogeneous. The average purchase decision has a low deviation rate in the data set so that the data obtained can represent the entire population.

4.1 Hypothesis Testing

Hypothesis testing criteria by paying attention to t-values in the Critical Ratio (CR) column and p-value in column P. The calculation is said to be significant if the CR value is greater than 1.96 ($CR > 1.96$) or the p-value is less than 0.05.

The results of hypothesis testing between the Security variable (X1) and the Purchase Decision (Y2) variable show the t statistics value of 2.692 greater than 1.97, and the p-value of 0.007 is smaller than 0.05. So it can be concluded that Security (X1) significantly influences Purchase Decisions (Y2).

The results of hypothesis testing between the E-wom variable (X2) and the Purchase Decision variable (Y2) show the t statistics value of 3.987 greater than 1.97, and the p-value of 0.000 is smaller than 0.05. So it can be concluded that E-wom (X2) significantly influences Purchase Decision (Y2).

The results of hypothesis testing of the Security (X1) variable on Trust (Y1) show the t statistics value of 2.497 which is greater than 1.97 and the p-value of 0.013 is smaller than 0.05. So it can be concluded that Security (X1) significantly influences Trust (Y1).

The results of hypothesis testing for the E-wom variable (X2) on Trust (Y1) show the t statistics value of 3.280 greater than 1.97 and the p-value of 0.001 smaller than 0.05. So it can be concluded that E-wom (X2) significantly influences Trust (Y1).

The results of hypothesis testing between the Trust variable (Y1) and the Purchase Decision (Y2) variable show that t statistic value of 5.609 is greater than 1.97 and a p-value of 0.000 is smaller than 0.05 so it can be concluded that Trust (Y1) significantly influences Purchase Decision (Y2).

The results of the hypothesis testing of the influence of the mediating effect of Trust (Y2) towards Security (Y1) on Purchase Decision (Y2) show the value of t statistics of 2.588 greater than 1.97, and the p-value of 0.01 is smaller than 0.05. So it can be concluded that Trust (Y1) significantly mediates the effect of Security (X1) on Purchase Decision (Y2).

The results of the hypothesis testing of the effect between E-wom (X2) on Purchase Decision (Y2) through the Trust (Y1) show that the value of t statistics of 2.521 is greater than 1.97 and the p-value of 0.012 is smaller than 0.05. So it can be concluded that Trust (Y1) significantly mediates the effect of E-wom (X2) on Purchase Decision (Y2) (Table 2).

Table 2. Results

	Original Sample (O)	T Statistics (O/STDEV)	P Values
X1 → Y2	0.187	2.692	0.007
X2 → Y2	0.357	3.987	0.000
X1 → Y1	0.369	2.497	0.013
X2 → Y1	0.434	3.280	0.001
Y1 → Y2	0.410	5.609	0.000
X1 → Y1 → Y2	0.151	2.588	0.010
X2 → Y1 → Y2	0.178	2.521	0.012

5 Conclusions

Security is proven to have a significant and positive influence on purchasing decisions. It means that the quality of Shopee's good security system will increase the number of users who purchase products or services at Shopee. Electronic word of mouth (e-wom) has a significant and positive influence on purchasing decisions. It means that the higher the rating and the more positive reviews of products or services on Shopee will encourage customers to make purchases. Security has a significant and positive influence on trust. It means that Shopee's security features have been well managed so that customers don't hesitate and trust more to transact online at Shopee. Electronic word of mouth (e-wom) has a significant and positive effect on trust. That means the clearer and better the quality of e-wom on Shopee, the more trust will be generated by customers through reviews and ratings listed on a product or service on Shopee. Trust has a significant and positive influence on purchase decisions. It means, that if there is no trust from buyers, online transactions at Shopee are impossible. Trust has a significant and positive effect as a mediating variable between security and purchase decisions. It means that the better control of Shopee's security in the public's eyes can increase trust so that consumers are motivated to shop at Shopee rather than in marketplace applications they do not trust. Trust has a significant and positive influence as a mediating variable between electronic word of mouth and purchase decisions. It means that the better the quality of Shopee product or service information obtained through reviews, the more trust will increase so that consumers are encouraged to shop at Shopee.

Shopee needs to improve the quality of credit card and debit card information security. This requires more attention to be reviewed to avoid obstacles when customers want to transact at Shopee. For the electronic word of mouth (e-wom) aspect, the lowest indicator is someone who reviews the Shopee application and is experienced in their field. The lack of experience makes the reviews displayed not desired by potential buyers. Therefore, Shopee must explain what things must be filled in the product or service review column that has been purchased. Shopee should increase trust by keeping promises made to customers. This is because trust is what is needed before Shopee customers make a purchase. In the purchase decision aspect, the implementation of security measures to protect users is the lowest indicator. Therefore, Shopee should update the security system to make users feel protected and encourage users to make purchases at Shopee.

For the next research, it is suggested to add more independent variables such as product quality, service quality, and purchasing decisions as to the dependent variable and trust as mediating variable is better. Adding more independent variables helps explore more deeply the factors that influence a person's buying decision.

References

1. Adhitya, W. R. (2019). Fenomena Harbolnas (Hari Belanja Online Nasional) Melalui Harga, Produk, Kemudahan dan Keamanan Ber- transaksi Terhadap Keputusan Pembelian Konsumen Secara Online dengan Kepercayaan Sebagai Variabel Moderating di Komplek Johor Indah Permai II Medan. *JMB: Jurnal Manajemen Dan Bisnis*, 2(1), 1–11.
2. Andjarwati, D. (2020). Pengaruh Kepercayaan, Kemudahan, Dan Keamanan Terhadap Keputusan Pembelian Di Marketplace. *Jurnal Ilmu Manajemen*, 9, 896–906.
3. Putri, A. A. K., & Setyorini, R. (2019). Pengaruh Electronic Word of Mouth dan Kepercayaan. *Jurnal Aplikasi Bisnis*, 12(2).
4. Badir, M., & Andjarwati, A. L. (2020). The effect of E-WOM, ease of use and trust on purchase decisions (study on Tokopedia application users). *Jurnal Minds: Manajemen Ide Dan Inspirasi*, 7(1), 39.
5. Bahi, H. A., Pratikto, H., & Dhewi, T. S. (2020). The impact of e-wom and advertising on purchase decision si.se.sa syar'i clothes with brand awareness as an intervening variables (a study on si.se.sa fashion consumers). *International Journal of Business, Economics and Law*, 23(1), 255–261.
6. Dewi, N. S., & Sudiksa, I. B. (2019). Peran Kepercayaan Merek Memediasi Electronic Word of Mouth Terhadap Keputusan Pembelian. *E-Jurnal Manajemen Universitas Udayana*, 8(6).
7. Dwiyanto M. G. (2019). Pengaruh Kepercayaan, Keamanan, Kualitas Pelayanan dan Persepsi Risiko Terhadap Keputusan Pembelian Online Pada E-Commerce Lazada. *Jurnal Ilmu Manajemen dan Bisnis*.
8. Falahat, M., Lee, Y. Y., Foo, Y. C., & Chia, C. E. (2019). A model for consumer trust in E-commerce. *Asian Academy of Management Journal*, 24(1), 93–109.
9. Hanaysha, J. R. (2018). An examination of the factors affecting consumer's purchase decision in the Malaysian retail market. *PSU Research Review*, 2(1), 7–23.
10. Harahap, D. A., Bandung, U. I., Amanah, D., & Indonesia, U. P. (2020). Determinants of Consumer. *International Journal of Scientific & Technology Research*, 9, 3981–3989.
11. Hardjono, B., Riyadi, S. A., & Aris, D. (2020). The Implication of e-WoM communication on customer preference and purchase decision of electronic gadgets. *Jurnal Dinamika Manajemen*, 11(1), 1–11.
12. Irawan, I. A. (2018). Effect of trust, convinience, security and quality of service on online purchase decision (consumer case study in tangerang selatan area). *Jurnal Ekonomi*, 23(1), 114–122.
13. Kidane, T. T., & Sharma, R. R. K. (2016). Factors affecting consumers' purchasing decision through e-commerce. In: *Proceedings of the international conference on industrial engineering and operations management* (pp. 159–165).
14. Mahliza, F. (2020). Consumer trust in online purchase decision. *EPRA International Journal of Multidisciplinary Research (IJMR)*, 142–149.

15. Mehek, A. (2020). Marketing management: influences the business pattern in an organization. *International Journal for Research in Applied Science and Engineering Technology*, 8(7), 308–311.
16. Mutiara, M., & Wibowo, I. (2020). Pengaruh Kepercayaan, Keamanan Dan Kualitas Produk Terhadap Keputusan Pembelian. *Jurnal Manajemen Bisnis Krisnadwipayana*, 8(2), 10–20.
17. Oktari, S. (2018). Pengaruh Kepercayaan E-Service Quality dan Kualitas Website Terhadap Keputusan Pembelian Di Lazada Pada Mahasiswa Fakultas Ilmu Sosial dan Politik Universitas Sumatera Utara Medan. *Jurnal Manajemen Pemasaran*, 7(3).
18. Perera, C. H., Nayak, R., & Long, N. V. T. (2019). The impact of electronic-word-of mouth on e-loyalty and consumers' e-purchase decision making process: a social media perspective. *International Journal of Trade, Economics and Finance*, 10(4), 85–91.
19. Prasetyo, K. A. (2018). The influence of trust, security and service quality toward purchase decision at Lazada. *Journal of Research in Management*, 1(2), 18–22.
20. Puspitasari, N. B., Nugroho Susatyo, W. P., Amyhorsea, D. N., & Susanty, A. (2016). Consumer's buying decision-making process in E-commerce. *E3S Web Conferences*, 31, 1–6.
21. Sari, V. E. (2019). Pengaruh E-Wom, Lifestyle, Kepercayaan Terhadap Keputusan Pembelian Ticket Online Booking Pada Situs Traveloka. Com Di Ponorogo (Studi Kasus Pembelian Tiket Pesawat Dan Kereta Api). *EJournal Administrasi Bisnis*, 7(4), 474–487.
22. Sfenrianto Gunawan, W., Kelly, D. S., & Tarigan, R. E. (2018). The use of quality, security and trust factors to improve the online purchase decision. *Journal of Theoretical and Applied Information Technology*, 96(5), 1436–1445.
23. Silaban, E. (2019). Pengaruh Elektronik Word of Mouth Dan Iklan Terhadap Keputusan Pembelian Di Shopee.Co.Id.
24. Syafaruddin, S., & Kumadji, S. (2016). Pengaruh komunikasi. *Jurnal Bisnis Dan Manajemen*, 3(1), 65–72.
25. Yulianto, M. R., & Soesanto, H. (2019). Analisis Pengaruh Electronic Word Of Mouth Terhadap Kepercayaan Dan Citra Merek Serta Dampaknya Terhadap Keputusan Pembelian (Studi Pada Konsumen Lazada.co.id di Semarang). *Diponegoro Journal of Management*, 8, 1–9.
26. Zhang, Y. (2019). Analysis of influencing factors of purchase decision for online consumption of clothes. *Advances in Social Science, Education and Humanities Research*, 376(Sschr), 655–660.
27. Angel, V., & Natadirja, M. (2020). Effect of e-wom, ease of use, trust on purchase decision (case study on Blibli.com). *Journal of Management (Electronic Edition)*, 12(3), 446–459.
28. Goodnewsfromindonesia. (2021). Top 10 Ecommerce di Indonesia. <https://www.goodnewsfromindonesia.id/2021/01/07/sengitnya-perebutan-takhta-penguasa-e-commerce-di-tanah-air>
29. Virgilio, F., & Antonelli, G. (2017). Consumer behavior, trust, and electronic word-of-mouth communication: Developing an online purchase intention model. *Social Media for Knowledge Management Applications in Modern Organizations*, 1, 58–80.

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