Nomico Journal E-ISSN: 3046-6318

https://nawalaeducation.com/index.php/NJ/index

Vol.1.No.6 August 2024

DOI: https://doi.org/10.62872/jagdc251



# Digital Economy and Business Transformation in Indonesia: An Exploration of Opportunities and Challenges

# Fauziah Alfie Faj'ri<sup>1</sup>, Muhammad Amsal Sahban<sup>2</sup>, Hendra Saragih<sup>3</sup>, Patricia Ieaneth Cyntia Kojongian<sup>4</sup>

- <sup>1</sup> Universitas Erlangga, Indonesia
- <sup>2</sup> Sekolah Tinggi Ilmu Manajemen Lasharan Jaya
- <sup>3</sup> Universitas Pasir Pangairan
- <sup>4</sup> Universitas Trinita

Email: fauziahalfiefajri@gmail.com, amsalsahban@gmail.com, hendrasaragih@gmail.com, pickchia@gmail.com

Entered : July 15, 2024 Revised : July 28, 2024 Accepted : August 20, 2024 Published : August 27, 2024

#### **ABSTRACT**

This research explores the impact of the digital economy on key sectors such as e-commerce and fintech and identifies the challenges companies face in the adoption of digital technologies. In the context of e-commerce, this research assesses how digitalization has changed the way businesses operate, including changes in business models, payment methods, and customer experience, as well as how technology has enabled market expansion and improved operational efficiency. Using a qualitative approach and literature review, the research leveraged data from annual reports of government agencies, international organizations, industry reports of market research firms, and academic journal articles on digital transformation. The results reveal that, while digitalization offers significant opportunities for market expansion, innovation, and increased financial inclusion, there are serious challenges that include infrastructure limitations, digital skills gaps, and regulatory uncertainty. The implications of these findings point to the need for inclusive infrastructure development strategies, comprehensive skills training programs, and adaptive regulatory policies. Such measures are expected to address existing gaps and maximize the benefits of the digital economy for business growth as well as the national economy.

Keywords: Business Transformation, Digital Economy, Opportunities and Challenges

# **INTRODUCTION**

Digital transformation has become a central topic in global discussions on economic development, reflecting how digital technologies are fundamentally changing various aspects of human life, including the business world (Ngamal, 2022). Digital technologies, which include innovations in artificial intelligence, big data, cloud computing, and the Internet of Things (IoT), have had a major impact on the way companies operate, interact with customers, and compete in the market (Ardiansyah, 2023). In Indonesia, the development of the digital economy has not only changed the way businesses operate, but also contributed significantly to national economic growth (Hisyam, 2024). This growth is driven by several key factors, including increasing internet access, the widespread use of mobile devices, and the adoption of digital technologies by companies across various industry sectors. The digital economy is now a dominant force redefining the global business landscape, creating fundamental changes in various industry sectors (Wibowo, 2024). In the context of rapid technological advancement, this phenomenon pervades almost every aspect of the economy, and Indonesia, as the largest economy in Southeast Asia, is not exempt from its impact. The ongoing digital transformation has



introduced disruptive innovations that are changing market dynamics, creating new opportunities, as well as challenges that businesses across the country must face. With widespread internet penetration and rapid adoption of digital technologies, Indonesia is witnessing significant changes in the way consumers and enterprises interact, transact and conduct business. The changes are characterized by the emergence of new business models that leverage digital technology to improve efficiency and create added value. Various sectors, from e-commerce to financial services and transportation, have undergone profound transformations thanks to technological advancements.

Along with the development of digital infrastructure, Indonesia has experienced a significant surge in the number of internet users in recent years (Dudhat, 2023). The increase in internet usage not only improves information accessibility for the public, but also opens up a wider and more connected market for businesses (Xia, 2024). Smartphones, as a key tool in digital access, play a crucial role in this transformation, providing convenience and speed for consumers to access various digital services (Chen, 2021). With more than 200 million active internet users and rapid e-commerce growth, Indonesia is now at the forefront as one of the largest digital markets in Southeast Asia (Rini, 2024). This condition creates a great opportunity for companies to expand their audience reach and develop more innovative business models. Companies can leverage the abundant data from online interactions to understand consumer behavior and design more effective marketing strategies. In addition, the growing digital ecosystem is also driving the adoption of new technologies, such as artificial intelligence and big data analytics, which can improve operational efficiency and create more personalized customer experiences (Rizqi, 2022).

The development of the e-commerce sector in Indonesia is a clear example of the positive impact of digital transformation (Marhawati, 2023). Indonesia's e-commerce market continues to grow rapidly, driven by increasing consumer confidence in online shopping and the ease of digital payments. Platforms such as Tokopedia, Shopee, and Bukalapak have changed the landscape of retail trade, giving access to millions of consumers across the country to purchase products without geographical restrictions (Hisyam, 2024). E-commerce not only provides benefits for consumers, but also opens up great opportunities for small and medium enterprises (SMEs) to market their products more widely. With the support of digital technology, SMEs can compete with large companies and even penetrate international markets without having to have significant physical infrastructure. On the other hand, the fintech sector has also shown impressive growth in recent years. Innovations in digital financial services have opened access to financial products that were previously difficult to reach by the wider community, especially in rural and remote areas (Ariati, 2024). Fintech enables greater financial inclusion, providing opportunities for individuals and businesses to gain access to banking, lending, and investment services more easily. In addition, fintech also helps improve efficiency and transparency in financial transactions, which in turn strengthens the overall business ecosystem. Fintech startups such as OVO, GoPay, and Dana have changed the way Indonesians make payments, transact, and manage their daily finances.

The adoption of digital technology is not free from challenges, especially for traditional businesses that face pressure to adapt quickly to technology-driven market changes. Businesses that have been established for decades must now face a new reality where digitalization is a necessity, no longer an option (Mastarida, 2022). Traditional companies that have not adopted digital technology risk falling behind competitors who are faster to innovate and respond to market changes. These challenges include changes in organizational culture, the need for investment in digital infrastructure, and the development of digital skills among employees. These companies need to change the way

they operate, adopt a more flexible approach and focus on innovation to remain competitive in the digital age. In addition, digital transformation also demands changes in government regulations and policies. The Indonesian government has taken important steps to support the development of the digital economy, such as by launching various initiatives and regulations aimed at encouraging the adoption of digital technologies across industry sectors (Napu, 2024). However, effective regulation must keep pace with the rapid development of technology, so as not to become an obstacle to innovation. Regulatory changes that are too slow or irrelevant to current market conditions can create uncertainty for businesses and hinder the overall development of the digital economy. This research aims to explore in depth the dynamics of the digital economy in Indonesia and how it is driving business transformation across various sectors. The main focus of this research is to understand how businesses in Indonesia are adapting to the development of digital technology, and identify the opportunities and challenges that arise in this transformation process. By looking at various industry sectors, this research will provide a comprehensive picture of how the digital economy is affecting the business landscape in Indonesia, as well as what steps companies and the government can take to maximize the benefits of this digital economy.

In addition, this research will also discuss the specific challenges faced by businesses in the face of digital change. These include infrastructure limitations, digital skills gaps and evolving regulatory dynamics. By analyzing these challenges, this research is expected to provide deeper insights into the barriers that need to be overcome to ensure that digital transformation can happen effectively and inclusively across Indonesia. The results of this research are expected to make a valuable contribution to the development of digital transformation strategies in Indonesia, both for businesses and policymakers. With a better understanding of the dynamics and challenges of the digital economy, it is expected that companies can be better prepared to face the evolving changes and create sustainable added value in this digital era. The government can also use the findings from this research to formulate more adaptive policies that support the inclusive and sustainable development of the digital economy in Indonesia.

# **METHODS**

This research uses a qualitative approach with a focus on literature studies to explore the dynamics of the digital economy in Indonesia and its impact on business transformation. In the era of globalization and rapid technological development, research is one of the important instruments in the development of science and data-based decision making. Good research must be supported by appropriate methods (Sahban, 2024). Literature study is the main method in this research, which allows researchers to investigate in depth various existing sources on the topic of digital economy. By analyzing journal articles, industry reports, academic publications and relevant policy documents, this research aims to understand the recent developments, opportunities and challenges in the digital economy in Indonesia. The literature study was conducted by reviewing various relevant secondary sources to provide a broader context of the phenomenon under study. Data was obtained from sources such as annual reports from government agencies and international organizations, industry reports from market research companies, as well as articles from academic journals that discuss digital transformation and the digital economy. These sources were selected based on their credibility and relevance to the research topic, ensuring that the data collected was accurate and up-todate.

The analytical process in a literature review begins with the identification and selection of relevant sources. Each source was evaluated to determine the quality and

relevance of the information presented. Next, data from various sources was collected and categorized based on key themes, such as digital technology adoption, e-commerce development, fintech, and challenges faced by businesses. This data was then analyzed to identify patterns, trends and insights that could provide a deeper understanding of how the digital economy is affecting businesses in Indonesia. In the analysis of the literature data, key themes that emerged from the review of these sources were identified and organized. Findings from this desk study include an analysis of the opportunities offered by the digital economy, such as greater market access and improved operational efficiency, as well as the challenges faced by businesses, such as infrastructure limitations and digital skills gaps. In addition, the analysis also covers changes in regulations and policies affecting the digital economy in Indonesia.

# RESULTS AND DISCUSSION

# 1. Growth and Adoption of Digital Technology

The results of the literature study show that Indonesia has experienced rapid growth in the adoption of digital technology, particularly in the e-commerce and fintech sectors. The use of mobile devices has also increased significantly. This increase creates a highly favorable environment for the development of e-commerce and fintech, enabling rapid and efficient innovation in both sectors (Gusti, 2024). In the e-commerce sector, platforms such as Tokopedia, Shopee, and Bukalapak have shown significant growth, capitalizing on increased internet access and mobile device usage to expand their markets (Adinda, 2023). The growth of digital technology has not only increased transaction volumes but also expanded market reach, allowing businesses to reach consumers across the country, including in areas previously underserved by traditional distribution channels (Syamil, 2020). The success of these e-commerce platforms reflects major changes in how consumers shop and how businesses operate, emphasizing the shift from offline to online shopping.

The fintech sector is also experiencing rapid expansion. Services such as OVO, GoPay, and Dana have expanded financial inclusion by providing wider access to digital banking and payment services (Rahman, 2024). These fintech services help simplify financial transactions, reduce reliance on traditional payment methods, and increase transparency and efficiency in the financial system (Quranisa, 2024). By offering easily accessible digital payment solutions, fintech plays an important role in increasing financial inclusion among people who were previously unreached by conventional banking services. Overall, the growth and adoption of digital technology in Indonesia shows great potential for innovation and transformation across various sectors of the economy. The widespread adoption of the internet and mobile devices has created a strong foundation for further developments in e-commerce and fintech, supporting economic growth and improving people's quality of life in a more inclusive and efficient way (Suhanti, 2024).

# 2. Impact of Digital Transformation on Business

Digital transformation has brought significant changes in business models across various sectors, changing the way companies operate and interact with consumers. One of the sectors that has felt the greatest impact from digitalization is e-commerce (Am, 2023). The rapidly growing e-commerce platform allows businesses to operate more efficiently and reach consumers more effectively than traditional methods. Through digitalization, companies can optimize supply chains, manage inventory in real-time, and leverage data analytics to better understand consumer behavior (Maria, 2024). This not only improves operational efficiency but also enables faster adjustments to changing

market trends. For small and medium-sized enterprises (SMEs), digital technology offers the opportunity to innovate and compete with larger companies that previously had a greater competitive advantage. E-commerce platforms allow SMEs to access global markets without requiring large investments in physical infrastructure. In addition, digital marketing tools such as social media, email marketing, and online advertising provide SMEs with the opportunity to reach a wider audience at a relatively low cost (Samigan, 2024). This opens up opportunities for SMEs to increase their visibility and compete in an increasingly digitally connected market.

Certain sectors may also face negative impacts from digital transformation, such as increased cybersecurity risks or impacts on the workforce. Companies transitioning to digital systems are often the target of cyberattacks that can threaten sensitive data and damage their reputation (Sukardi, 2023). In addition, automation and digitization can lead to a reduction in the workforce in sectors that previously relied on manual work. Companies need to address this issue by ensuring that they have a robust security strategy and provide training to help employees adapt to technological changes. On the other hand, digital transformation also drives new business opportunities and innovative business models (Putriana, 2023). Digital transformation is also changing the way companies interact with customers. Technologies such as chatbots and cloud-based customer relationship management (CRM) systems enable companies to provide more responsive and personalized customer service (Putra, 2024). Data analytics allow companies to understand customer preferences more deeply and customize their offerings more precisely. This increases customer satisfaction and helps build stronger relationships with audiences (Istigomah, 2023). Overall, the impact of digital transformation on businesses is vast and complex. While digitalization brings many benefits, such as increased efficiency, access to global markets and innovative business models, companies must also be prepared for the challenges that come with the change. It is important to adopt a balanced approach, capitalizing on the opportunities that technology offers while addressing the risks and challenges that may arise. With the right strategy, companies can leverage digital transformation to drive growth and success in this digital age.

# 3. Challenges in Digital Technology Adoption

Adopsi teknologi digital di Indonesia menawarkan banyak manfaat, namun juga menghadapi berbagai tantangan signifikan yang perlu diatasi untuk memastikan pertumbuhan yang berkelanjutan dan inklusif. Salah satu tantangan utama adalah keterbatasan infrastruktur, terutama di daerah-daerah terpencil (Syam, 2024). Meskipun penetrasi internet secara keseluruhan meningkat, banyak wilayah di luar kota-kota besar masih mengalami kesulitan dalam mengakses jaringan digital yang stabil dan cepat. Keterbatasan infrastruktur ini menghambat potensi pertumbuhan ekonomi digital di wilayah tersebut dan memperlebar kesenjangan ekonomi antara daerah perkotaan dan pedesaan (Mulyono, 2024). Overcoming these challenges requires greater investment in equitable digital infrastructure development, so that all levels of society can tap into the potential of the digital economy. In addition, the digital skills gap among the workforce is a significant challenge in the adoption of digital technologies (Yandra, 2024). Many workers, especially in the traditional sector and MSMEs, do not yet have the necessary skills to effectively utilize digital technologies. This gap affects companies' ability to innovate and grow their businesses in the digital age. Without adequate skills, companies may struggle to implement complex digital solutions or utilize data for strategic decisionmaking (Putri, 2024). Therefore, the development of training and education programs that focus on digital skills is essential to ensure that the workforce can adapt to technological changes and take advantage of the opportunities that exist.

Rapid regulatory changes also create uncertainty for businesses adopting digital technologies. Regulations related to personal data, cybersecurity and e-commerce often change as technology evolves. Businesses need to adjust to constantly changing policies, which can affect their operations and strategies. This regulatory uncertainty can be an obstacle for companies to invest in new technologies or expand their operations in digital markets (Rohyati, 2024). Therefore, it is important to develop adaptive policies and provide clear guidance for companies in the face of changing regulations. In addition to infrastructure and skills issues, there are also challenges related to cybersecurity that need to be addressed. With the increasing number of digital transactions and data exchanges, the risk of cyberattacks and data breaches is growing. Many companies, especially those just embarking on digital transformation, may not have adequate security systems in place to protect sensitive information. Cyberattacks can result in financial losses, reputational damage and loss of consumer confidence. Investing in cybersecurity and implementing best practices in data protection is essential to mitigate these risks and maintain the integrity of digital systems (Sovina, 2024). Another challenge often faced is the difficulty in integrating new technologies with existing systems. Many companies have outdated and complex IT infrastructures, which can make it difficult to integrate with modern digital solutions. Non-smooth integration can result in operational disruptions and hinder productivity. Therefore, careful planning and a phased approach to new technology implementation can help minimize disruptions and ensure a smoother transition. On the other hand, changing organizational culture is also a challenge in the adoption of digital technology. Digital transformation not only involves technological change, but also requires changes in the way of thinking and operating within the organization (Aulia, 2023). Resistance to change and lack of support from leadership can hinder the successful implementation of new technologies. Therefore, it is important to manage change well, involve all stakeholders, and build a culture that supports innovation and the use of digital technology.

The impact of global economic instability can also affect the adoption of digital technologies (Ulya, 2024). Economic fluctuations and market uncertainty may affect firms' ability to invest in new technologies. Companies may become more cautious in their spending, hindering the adoption of technologies that can support long-term growth. Facing these challenges requires a strategic approach in planning technology investments and assessing the long-term impact of business decisions. Digital technology adoption can also face challenges in terms of the suitability of technology to local needs (Rifai, 2023). Technology designed for the global market may not always fit the specific needs or local regulations in Indonesia. The adjustments or adaptations required to meet local needs can be a complicated process and require additional resources. Companies need to consider local aspects in the development and implementation of technologies to ensure their relevance and effectiveness in the Indonesian market.

# **Conclusion**

The digital economy and business transformation in Indonesia show great potential in driving economic growth and expanding opportunities for businesses across sectors. Rapid growth in the adoption of digital technologies, particularly in the e-commerce and fintech sectors, has modernized the way businesses do business and improved access to services and products. E-commerce platforms give SMEs the opportunity to compete in global markets, while fintech services expand financial inclusion and increase transparency in the financial system. However, digital transformation also faces

significant challenges, such as limited infrastructure in remote areas, digital skills gaps, and rapid regulatory changes. The impact of digital transformation varies across sectors and not all businesses can adjust to technological change quickly. Some companies may have difficulty integrating new technologies, addressing cybersecurity concerns or managing organizational culture change. In addition, regulatory uncertainty and privacy and ethical issues are also important concerns. To maximize the benefits of digital transformation, it is important to address these challenges with a strategic and planned approach. The implications of digital transformation in Indonesia include several important aspects to ensure sustainable and inclusive economic growth. The development of equitable digital infrastructure across Indonesia is urgently needed to address the digital divide, enabling wider access for individuals and businesses in remote areas. In addition, digital skills training and education need to be enhanced to strengthen workforce capabilities and support effective technology adoption. Adaptive and responsive regulations to technological change are also crucial to provide legal certainty for businesses and facilitate innovation. Companies should invest in cybersecurity to protect sensitive data and reduce the risk of attacks, as well as ensure that technologies adopted are appropriate to local needs and adhere to strict privacy and ethical standards.

# **Bibliography**

- Adinda, E. O. T., Primandhana, W. P., & Sishadiyati, S. (2023). Pemanfaatan Media Digital Dalam Meningkatkan Pemasaran Dan Pertumbuhan Umkm Desa Karangan Kabupaten Jombang. *Jurnal Ilmiah Wahana Pendidikan*, 9(21), 304-313. <a href="https://Doi.0rg/10.5281/Zenodo.10076990"><u>Https://Doi.0rg/10.5281/Zenodo.10076990</u></a>
- Am Kurniawan, R., & Ghany, S. Z. A. (2023). Efek Digitalisasi Pada Kehidupan Masyarakat Arab Saudi Era Raja Salman. Multaga Nasional Bahasa Arab, 6(1), 71-82.
- Ardiansyah, W. M. (2023). Peran Teknologi Dalam Transformasi Ekonomi Dan Bisnis Di Era Digital. *Jmeb Jurnal Manajemen Ekonomi & Bisnis*, 1(1). Https://Journal.Sabajayapublisher.Com/Index.Php/Jmeb
- Ariati, I., & Rudianto, D. (2024). Dampak Blockchain Dalam Manajemen Keuangan Pada Perusahaan Fintech. *Journal Of Economics And Business Ubs*, 13(2), 566-576.
- Aulia, R., & Aslami, N. (2023). Peran Manajemen Perubahan Dalam Menghadapi Tantangan Dan Mengoptimalkan Peluang Di Era Digital. *Journal Of Nusantara Economic Science*, 1(2), 65-72.
- Chen, C. L., Lin, Y. C., Chen, W. H., Chao, C. F., & Pandia, H. (2021). *Role Of Government To Enhance Digital Transformation In Small Service Business.* Sustainability, 13(3), 1028. Https://Doi.0rg/10.3390/Su13031028
- Dudhat, A., & Agarwal, V. (2023). Indonesia's Digital Economy's Development. Iaic Transactions On Sustainable Digital Innovation (Itsdi), 4(2), 109-118. <u>Https://Doi.Org/10.34306/Itsdi.V4i2.580</u>
- Gusti, G. P. (2024). Transformasi Industri Keuangan Dan Perdagangan Melalui Fintech Dan E-Commerce: Studi Analisis Dampak Dan Tantangan. *Jurnal Ekonomi Stiep*, 9(1), 64-74. <a href="https://Doi.0rg/10.54526/Jes.V9i1.195">https://Doi.0rg/10.54526/Jes.V9i1.195</a>
- Hisyam, C. J., Rodja, Z., Salsabila, N., & Lubis, N. P. (2024). Transformasi Sosial-Ekonomi Dalam Era Ekonomi Digital: Analisis Sosiologi Ekonomi Terhadap Dinamika Platform Online. *Jurnal Ilmiah Ekonomi, Manajemen, Bisnis Dan Akuntansi*, 1(2), 01-13. <a href="https://Doi.Org/10.61722/Jemba.V1i2.86">Https://Doi.Org/10.61722/Jemba.V1i2.86</a>
- Hisyam, C. J., Rodja, Z., Salsabila, N., & Lubis, N. P. (2024). Transformasi Sosial-Ekonomi Dalam Era Ekonomi Digital: Analisis Sosiologi Ekonomi Terhadap Dinamika Platform Online. *Jurnal Ilmiah Ekonomi, Manajemen, Bisnis Dan Akuntansi*, 1(2), 01-13. <a href="https://Doi.Org/10.61722/Jemba.V1i2.86"><u>Https://Doi.Org/10.61722/Jemba.V1i2.86</u></a>

- Istiqomah, N. H. (2023). Transformasi Pemasaran Tradisional Ke E-Marketing: Tinjauan Literatur Tentang Dampak Penggunaan Teknologi Digital Terhadap Daya Saing Pemasaran Bisnis. Jurnal Ekonomi Syariah Darussalam, 4(2), 72-87. <a href="https://Doi.Org/10.30739/Jesdar.V4i2.2430">https://Doi.Org/10.30739/Jesdar.V4i2.2430</a>
- Lestari, L. M., Asyura, U. S., Zaka, V. Z., & Astuti, R. P. (2024). Tantangan Dan Peluang Transformasi Bank Sentral Di Era Digital. Gudang Jurnal Multidisiplin Ilmu, 2(6), 618-628. <a href="https://Doi.org/10.59435/Gjmi.V2i6.589">https://Doi.org/10.59435/Gjmi.V2i6.589</a>
- Marhawati, M., Azizah, A., Erwina, E., & Raflianto, R. (2023). E-Commerce Dan Startup: Wujud Inovasi Keberlanjutan Bisnis Di Era Industri 4.0. *Journal Of Economics, Entrepreneurship, Management Business And Accounting,* 1(1), 34-40. <a href="https://Doi.0rg/10.61255/Jeemba.V1i1.16"><u>Https://Doi.0rg/10.61255/Jeemba.V1i1.16</u></a>
- Maria, V., Rizky, S. D., & Akram, A. M. (2024). Mengamati Perkembangan Teknologi Dan Bisnis Digital Dalam Transisi Menuju Era Industri 5.0. *Wawasan: Jurnal Ilmu Manajemen, Ekonomi Dan Kewirausahaan,* 2(3), 175-187. <a href="https://Doi.org/10.58192/Wawasan.V2i3.2239"><u>Https://Doi.org/10.58192/Wawasan.V2i3.2239</u></a>
- Mastarida, F., Sahir, S. H., Hasibuan, A., Siagian, V., Hariningsih, E., Fajrillah, F., ... & Pakpahan, A. F. (2022). *Strategi Transformasi Digital*.
- Mulyono, R. D. A. P., Rosa, D. V., Prasetyo, H., & Mahardiyanto, A. (2024). *Mentoring Smart Cultural Tourism Berbasis Potensi Lokal Menuju Kemandirian Ekonomi Di Desa Klungkung Kabupaten Jember*. Warta Pengabdian, 18(1), 70-88.
- Napu, I. A., Supriatna, E., Safitri, C., & Destiana, R. (2024). *Analisis Peran Keamanan Siber Dan Keterampilan Digital Dalam Pertumbuhan Usaha Kecil Menengah Di Era Ekonomi Digital Di Indonesia*. Sanskara Ekonomi Dan Kewirausahaan, 2(03), 156-167. <a href="https://Doi.org/10.58812/Sek.V2i03.411">https://Doi.org/10.58812/Sek.V2i03.411</a>
- Ngamal, Y., & Perajaka, M. A. (2022). Penerapan Model Manajemen Risiko Teknologi Digital Di Lembaga Perbankan Berkaca Pada Cetak Biru Transformasi Digital Perbankan Indonesia. *Jurnal Manajemen Risiko*, 2(2), 59-74. <a href="https://Doi.0rg/10.33541/Mr.V2iiv.4099">https://Doi.0rg/10.33541/Mr.V2iiv.4099</a>
- Nugis, P. K., & Sanggarwati, D. A. (2024). Implementasi Strategi Inovatif Manajemen Sumber Daya Manusia Dalam Adaptasi Terhadap Era Digital (Studi Kasus Pt. Mitra Tata Kerja). *Journal Of Economics, Business, Management, Accounting And Social Sciences*, 2(4), 195-205.
- Putra, R. T. S., Hermansyah, K. P., Yahya, F. A., Andarini, S., & Kusumasari, I. R. (2024). Migrasi Bisnis Konvensional Ke Model Digital: Tantangan Dan Peluang Dalam Transformasi Pada Bisnis Fashion Erigo. Musytari: Neraca Manajemen, Akuntansi, Dan Ekonomi, 4(9), 74-83. https://Doi.org/10.8734/Musytari.V4i9.2743
- Putri, A. M., Fauzi, A., Ladhuny, M., Aritonang, I. J., Aryanto, A. D., Maharani, D., ... & Adinugroho, Y. E. (2024). Strategi Penerapan Rantai Pasok Digital Berkelanjutan: Peluang Dan Tantangan Di Era Digital. *Jurnal Ilmu Multidisplin*, 3(2), 106-119. <a href="https://Doi.Org/10.38035/Jim.V3i2.564"><u>Https://Doi.Org/10.38035/Jim.V3i2.564</u></a>
- Putriana, A. (2023). Analisis Strategi Bisnis Di Era Transformasi Digital. *Mukasi: Jurnal Ilmu Komunikasi*, 2(3), 223-232. <a href="https://Doi.org/10.54259/Mukasi.V2i3.2105"><u>Https://Doi.org/10.54259/Mukasi.V2i3.2105</u></a>
- Qur'anisa, Z., Herawati, M., Lisvi, L., Putri, M. H., & Feriyanto, O. (2024). Peran Fintech Dalam Meningkatkan Akses Keuangan Di Era Digital: Studi Literatur. *Gemilang: Jurnal Manajemen Dan Akuntansi*, 4(3), 99-114. <a href="https://Doi.0rg/10.56910/Gemilang.V4i3.1573"><u>Https://Doi.0rg/10.56910/Gemilang.V4i3.1573</u></a>
- Rahayu, S. K., & Astuti, W. A. (2022). Disruption Of Financial Technology (Fintech) In Indonesia. *Jurnal Riset Akuntansi*.
- Rahman, L. A., & Fatwa, N. (2024). Analisis Transaksi Perbankan Syariah Melalui Sistem Bank Indonesia-Real Time Gross Settlement (Sistem Bi-Rtgs) Terhadap

- Pertumbuhan Ekonomi: Generalized Method Of Moment. *Ranah Research: Journal Of Multidisciplinary Research And Development*, 6(4), 458-475. Https://Doi.org/10.38035/Rrj.V6i4.838
- Rifai, B., & Mychelisda, E. (2023). Model Percepatan Adopsi Teknologi Digital Industri Makanan Minuman Berbasis Potensi Lokal Menuju Industri 4.0 Untuk Mendukung Ketahanan Pangan Nasional. *Thejournalish: Social And Government*, 4(5), 211-231. <a href="https://Doi.0rg/10.55314/Tsg.V4i5.612">https://Doi.0rg/10.55314/Tsg.V4i5.612</a>
- Rini, R. L. P., & Hasbi, I. (2024). Pengaruh Social Media Marketing Terhadap Customer Engagement Dan Brand Loyalty Di Zalora Indonesia. *Ekonomis: Journal Of Economics And Business*, 8(1), 868-878. <a href="http://Dx.Doi.Org/10.33087/Ekonomis.V8i1.1791">Http://Dx.Doi.Org/10.33087/Ekonomis.V8i1.1791</a>
- Rizqi, M. A., & Himawan, A. F. I. (2022). Tranformasi Digital Dan Peningkatan Kapasitas Ukm Di Majelis Ekonomi Dan Kewirausahan Muhammadiyah. *Dedikasimu: Journal Of Community Service*, 4(1), 14-26. Http://Dx.Doi.Org/10.30587/Dedikasimu.V4i1.3785
- Rohyati, R., Rokhmah, F. P. N., Syazeedah, H. N. U., Fitriyaningrum, R. I., Ramadhan, G., & Syahwildan, M. (2024). Tantangan Dan Peluang Pasar Modal Indonesia Dalam Meningkatkan Minat Investasi Di Era Digital. *Kompeten: Jurnal Ilmiah Ekonomi Dan Bisnis*, 3(1), 909-918. <a href="https://Doi.Org/10.57141/Kompeten.V3i1.133">https://Doi.Org/10.57141/Kompeten.V3i1.133</a>
- Sahban, Ma., Adinugroho, I. ., Irawan, I., R, R. ., Khaerudin, Rb., & Legito, L. (2024). Pelatihan Pengolahan Data Penelitian Menggunakan Aplikasi Smart Pls (Partial Least Square). *Jurnal Pengembangan Masyarakat : Jurnal Pengabdian Masyarakat*, 5 (4), 7379–7383. https://doi.org/10.31004/Cdj.V5i4.32822
- Samingan, M., Suwarno, P., Saputro, G. E., & Suwito, S. (2024). Optimasi Pemasaran Digital Sebagai Pilar Penguatan Ekonomi Mikro Untuk Mendukung Ketahanan Ekonomi Nasional. *Nusantara: Jurnal Ilmu Pengetahuan Sosial*, 11(4), 1511-1519.
- Sovina, M., Harahap, F. A., Lazuly, I., & Khalid, M. A. (2024). Pelatihan Edukasi Macam-Macam Tindak Kejahatan Teknologi Informasi (Cyber Crime) Dunia Maya Dan Penanganannya. Publidimas (Publikasi Pengabdian Masyarakat), 4(1), 74-83.
- Suhanti, K. A. (2024). Investasi Langsung Di Era Ekonomi Digital: Tantangan Dan Peluang Baru Dalam Kerangka Hukum. *As-Syar'i: Jurnal Bimbingan & Konseling Keluarga*, 6(3), 1397-1410. <a href="https://Doi.org/10.47467/As.V6i3.6533"><u>Https://Doi.org/10.47467/As.V6i3.6533</u></a>
- Sukardi, B. (2023). *Pengembangan Sistem Keuangan Syariah Dalam Menghadapi Tantangan Global*. Ekonomi, 89.
- Syam, A., & Randy, M. F. (2024). Optimalisasi Transformasi Digital Dalam Mendorong Pertumbuhan Usaha Mikro, Kecil Dan Menengah Di Indonesia. *Bjrm (Bongaya Journal Of Research In Management)*, 7(1), 95-102. <a href="https://Doi.0rg/10.37888/Bjrm.V7i1.594">Https://Doi.0rg/10.37888/Bjrm.V7i1.594</a>
- Syamil, A., Heriyati, P., & Hermawan, M. (2020). *Perspektif Industri Financial Technology Di Indonesia.* Jawa Timur: Qiara Media.
- Ulya, M., & Zannah, S. R. (2024). Dampak Daya Beli Dan Penetrasi Internet Terhadap Pertumbuhan Bisnis Start Up Di Indonesia. *J-Dbs: Journal Of Darunnajah Business School*, 1(1), 21-30. <a href="https://Ejournal.Darunnajah.Ac.Id/Index.Php/J-Dbs/Article/View/197">https://Ejournal.Darunnajah.Ac.Id/Index.Php/J-Dbs/Article/View/197</a>
- Wibowo, A. (2024). *Riset Kelanggengan Bisnis Dalam Ekosistem Digital. Penerbit Yayasan Prima Agus Teknik*, 1-266.

  Https://Penerbit.Stekom.Ac.Id/Index.Php/Yayasanpat/Article/View/486
- Xia, L., Baghaie, S., & Sajadi, S. M. (2024). The Digital Economy: Challenges And Opportunities In The New Era Of Technology And Electronic Communications. *Ain*

Shams Engineering Journal, 15(2), 102411.  $\underline{\text{Https://Doi.Org/10.1016/J.Asej.2023.1}}$   $\underline{02411}$ 

Yandra, R., Mahfudnurnajamuddin, M., & Suriyanti, S. (2024). Implementasi Teknologi Dalam Manajemen Pemasaran Pendidikan: Tantangan Dan Peluang. *Journal Of Education Research*, 5(2), 2008-2024. <a href="https://Doi.org/10.37985/Jer.V5i2.1071"><u>Https://Doi.org/10.37985/Jer.V5i2.1071</u></a>