

REFERENCES

- Abeliansky, A. L., Barbero, J., & Rodriguez-Crespo, E. (2021). ICTs quality and quantity and the margins of trade. *Telecommunications Policy*, 45(1), 102056. <https://doi.org/10.1016/j.telpol.2020.102056>
- Ahuja, V., Gera, R., & Chadha, P. (2021). Mobile shopping apps adoption: a systematic literature review. *International Journal of Electronic Business*, 16(3), 239. <https://doi.org/10.1504/IJEB.2021.10039521>
- Alalwan, A. A., Dwivedi, Y. K., Rana, N. P., & Algharabat, R. (2018). Examining factors influencing Jordanian customers' intentions and adoption of internet banking: Extending UTAUT2 with risk. *Journal of Retailing and Consumer Services*, 40, 125–138. <https://doi.org/10.1016/j.jretconser.2017.08.026>
- Al-Ansari, Y., Pervan, S., & Xu, J. (2013). Innovation and business performance of SMEs: The case of Dubai. In *Education, Business and Society: Contemporary Middle Eastern Issues* (Vol. 6, Issue 3, pp. 162–180). <https://doi.org/10.1108/EBS-04-2013-0012>
- Almarabeh, T., & Majdalawi, Y. Kh. (2018). Cloud Computing of E-commerce. *Modern Applied Science*, 13(1), 27. <https://doi.org/10.5539/mas.v13n1p27>
- Almunawar, M. N., Auzzali, A., Oseli, N. H., & Ariff, W. Z. A. M. Z. (2022). E-Commerce Adoption Among Micro, Small, and Medium Enterprises in Brunei Darussalam. *International Journal of E-Business Research*, 18(1), 1–18. <https://doi.org/10.4018/ijebrr.293297>
- Al-Qirim, N. (2007). The adoption of eCommerce communications and applications technologies in small businesses in New Zealand. *Electronic Commerce Research and Applications*, 6(4), 462–473. <https://doi.org/10.1016/j.elerap.2007.02.012>
- Amelia Setyawati, Amelia Suggangga, Nyuherno Aris Wibowo, Adelia Rahma, & Farij Ibadil Maula. (2023). Ability To Use Digitalization In Increasing The Competitive Advantages Of Msmes In Indonesia: Systematic Literature Review (SLR). *International Journal of Economics and Management Research*, 2(2), 48–65. <https://doi.org/10.55606/ijemr.v2i2.94>
- Andonov, A., P. Dimitrov, G., & Totev, V. (2021). Impact of E-commerce on Business Performance. *TEM Journal*, 1558–1564. <https://doi.org/10.18421/TEM104-09>
- Anggadwita, G., Martini, E., Hendayani, R., & Kamil, M. R. (2021). The Role of Technology and Innovation Capabilities in Achieving Business Resilience of MSMEs During Covid-19: Empirical Study. *2021 9th International Conference on Information and Communication Technology (ICoICT)*, 1–6. <https://doi.org/10.1109/ICoICT52021.2021.9527464>
- Arikunto, S. (2014). *Prosedur Penelitian Suatu Pendekatan Praktis*. Rineka Cipta.
- Asikin, M. Z., Fadilah, M. O., Saputro, W. E., Aditia, O., & Ridzki, M. M. (2024). The Influence Of Digital Marketing On Competitive Advantage And Performance of Micro, Small And Medium Enterprises. *International Journal of Social Service and Research*, 4(03), 963–970. <https://doi.org/10.46799/ijssr.v4i03.749>
- Avrianto, A., & Wahyuningih. (2023). QRIS Adoption by MSMEs in the UTAUT Perspective. *Business Innovation and Entrepreneurship Journal*, 5(4), 2684–8945. <https://doi.org/10.35899/biej.v5i3.679>
- Badan Pusat Statistik. (2024). *Central Statistics Agency (BPS)*. <Https://Www.Bps.Go.Id/Id>.
- Bank Indonesia. (2023a). *ECONOMIC REPORT ON INDONESIA 2023*.

- https://www.bi.go.id/en/publikasi/laporan/Documents/LPI_2023_EN.pdf
- Bank Indonesia. (2023b). *Laporan Perekonomian Provinsi Jawa Barat*.
www.bi.go.id
- Baron, R. M., & Kenny, D. A. (1986). The moderator–mediator variable distinction in social psychological research: Conceptual, strategic, and statistical considerations. *Journal of Personality and Social Psychology*, 51(6), 1173–1182. <https://doi.org/10.1037/0022-3514.51.6.1173>
- Botti, A., & Maione, G. (2018). E-Commerce Platforms as Service Ecosystems. *Open Journal of Economics and Commerce*, 1(2), 8–19.
<https://doi.org/10.22259/2638-549X.0102002>
- Dalimunthe, M. B. (2017). KEUNGGULAN BERSAING MELALUI ORIENTASI PASAR DAN INOVASI PRODUK. *Jurnal Konsep Bisnis Dan Manajemen*.
- Das, K., Gryseels, M., Sudhir, P., & Tan, K. T. (2016). Unlocking Indonesia's Digital Opportunity. *McKinsey&Company*.
- Duch-Brown, N., Grzybowski, L., Romahn, A., & Verboven, F. (2017). The impact of online sales on consumers and firms. Evidence from consumer electronics. *International Journal of Industrial Organization*, 52, 30–62.
<https://doi.org/10.1016/j.ijindorg.2017.01.009>
- Edelia, A., & Aslami, N. (2022). THE ROLE OF EMPOWERMENT OF THE COOPERATIVE AND MSME OFFICE IN THE DEVELOPMENT OF SMALL AND MEDIUM MICRO ENTERPRISES IN MEDAN CITY. *MARGINAL : JOURNAL OF MANAGEMENT, ACCOUNTING, GENERAL FINANCE AND INTERNATIONAL ECONOMIC ISSUES*, 1(3), 31–36.
<https://doi.org/10.55047/marginal.v1i3.163>
- Ernawati, W. (2021). Optimization of Digital-Based MSME E-Commerce: Challenges and Opportunities in the New Normal Era of the Covid-19 Pandemic. *Social Science Journal for Advanced Research*, 1(3), 1–9.
<https://doi.org/10.54741/ssjar.1.3.1>
- Ferdinand, A. (2000). *Structural Equation Modeling Dalam Penelitian Manajemen*.
- Fisher, R. A. (1925). *Statistical Methods for Research Workers*. . Oliver and Boyd.
- Gable, G. G., & Raman, K. S. (1992). Government Initiatives for IT Adoption in Small Businesses: Experiences of the Singapore Small Enterprise Computerization Program. *International Information Systems*, 68–93.
- Ghobakhloo, M., Arias-Aranda, D., & Benitez-Amado, J. (2011). Adoption of e-commerce applications in SMEs. *Industrial Management & Data Systems*, 111(8), 1238–1269. <https://doi.org/10.1108/02635571111170785>
- Ghozali, I. (2016). *Aplikasi Analisis Multivariete dengan Program IBM SPSS 23* (8th ed.). Diponegoro University Publishing Agency.
- GoodStats Data. (n.d.). *27 Juta UMKM Telah Go Digital Hingga 2023*. Data.Goodstats.Id.
- Google, Temasek, & Bain & Company. (2024). *E-Cconomy SEA 2022 report*.
- Graupner, E., Trenz, M., & Maedche, A. (2021). When does digital matter Analysing customers preference for digital processes. *International Journal of Electronic Business*, 16(2), 1. <https://doi.org/10.1504/IJEB.2021.10038071>
- Hair, J. F., Hult, G. T. M., Ringle, C. M., Sarstedt, M., Danks, N. P., & Ray, S. (2021). *Partial Least Squares Structural Equation Modeling (PLS-SEM) Using R*. Springer International Publishing. <https://doi.org/10.1007/978-3-030-80519-7>
- Hartutik, H., Aryani, D. N., Maesarach, R. M., Masruki, R., & Fauzan, A. (2024). Exploring Intention in Using Quick Response Code Indonesian Standard:

- Technology Acceptance Model Approach. *Jurnal Organisasi Dan Manajemen*, 20(1), 36–50. <https://doi.org/10.33830/jom.v20i1.6805.2024>
- Herawati, A., Sarwani, S., Sri Lestari, D., Listyawati, L., & Raharja, A. (2023). Sequential Explanatory Approach: Digital Marketing Implementation Acceleration Programme that Supports the Marketing Performance of Msme Actors. *Economic and Regional Studies / Studia Ekonomiczne i Regionalne*, 16(4), 567–597. <https://doi.org/10.2478/ers-2023-0036>
- Hutami, L. T. H., & Kurniawan, I. S. (2019). The Analysis of Marketing performance in Yogyakarta SMEs. *HOLISTICA – Journal of Business and Public Administration*, 10(3), 170–180. <https://doi.org/10.2478/hjbpa-2019-0036>
- Indrawati. (2015). *Metode Penelitian Manajemen Dan Bisnis: Konvergensi Teknologi Komunikasi Dan Informasi*. Refika Aditama.
- Irwan Hariandi, M. S., Gumanti, T. A., & Wahyudi, E. (2019). E-Commerce, Competitive Advantage And Business Performance Of Banyuwangi Small And Medium-Sized Enterprises. *INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH*, 8, 8. www.ijstr.org
- Iskandar, D. (2019). The use of the financial technology (Fintech) system is reviewed from society perception: Attitude, interest, motivation, experience & hope. . *International Journal of Multidisciplinary Research*, 5(6), 138–148.
- Jafari Sadeghi, V., & Biancone, P. Pietro. (2018). How micro, small and medium-sized enterprises are driven outward the superior international trade performance? A multidimensional study on Italian food sector. *Research in International Business and Finance*, 45, 597–606. <https://doi.org/10.1016/j.ribaf.2017.07.136>
- Kasilingam, D. L. (2020). Understanding the attitude and intention to use smartphone chatbots for shopping. *Technology in Society*, 62, 101280. <https://doi.org/10.1016/j.techsoc.2020.101280>
- Kerlinger, F. N. (1973). *Review of research in education*. F. E. Peacock.
- Kilay, A. L., Simamora, B. H., & Putra, D. P. (2022). The Influence of E-Payment and E-Commerce Services on Supply Chain Performance: Implications of Open Innovation and Solutions for the Digitalization of Micro, Small, and Medium Enterprises (MSMEs) in Indonesia. *Journal of Open Innovation: Technology, Market, and Complexity*, 8(3), 119. <https://doi.org/10.3390/joitmc8030119>
- Kiselicki, M., Kirovska, Z., Josimovski, S., & Anastasovski, M. (2022). E-Commerce as a Revenue Generator for Small and Medium Companies in Developing Countries. *Economics and Culture*, 19(2), 47–56. <https://doi.org/10.2478/jec-2022-0015>
- Kiyabo, K., & Isaga, N. (2020). Entrepreneurial orientation, competitive advantage, and SMEs' performance: application of firm growth and personal wealth measures. *Journal of Innovation and Entrepreneurship*, 9(1), 12. <https://doi.org/10.1186/s13731-020-00123-7>
- KWABENA, G. Y., MEI, Q., GHUMRO, T. H., LI, W., & ERUSALKINA, D. (2021). Effects of a Technological-Organizational-Environmental Factor on the Adoption of the Mobile Payment System. *Journal of Asian Finance, Economics and Business*, 8(2), 329–338. <https://doi.org/10.13106/jafeb.2021.vol8.no2.0329>
- Le, V. P., Do, S. H., & Nguyen, H. N. L. (2022). A Study on the Factors Affecting Intention of Using Online Banking Services in Vietnam. In *Global Changes*

- and Sustainable Development in Asian Emerging Market Economies Vol. 1* (pp. 179–198). Springer International Publishing. https://doi.org/10.1007/978-3-030-81435-9_14
- Looi, H. C. (2005). E-Commerce Adoption in Brunei Darussalam: A Quantitative Analysis of Factors Influencing Its Adoption. *Communications of the Association for Information Systems, 15*. <https://doi.org/10.17705/1CAIS.01503>
- Lopes, R. (2009). A two-dimensional Kolmogorov-Smirnov test. *Proceedings of XI International Workshop on Advanced Computing and Analysis Techniques in Physics Research — PoS(ACAT)*, 045. <https://doi.org/10.22323/1.050.0045>
- Lorca, P., Andres, J. de, & Garcia-Diez, J. (2019). Impact of E-Commerce Sales on Profitability and Revenue. The Case of the Manufacturing Industry. *Inzinerine Ekonomika-Engineering Economics*.
- Lubis, F. (2022). Cyber Crime E-Commerce Business Transactions. *SASI*, 28(4), 589. <https://doi.org/10.47268/sasi.v28i4.1068>
- Mahmood, R., Abdullah, O. Y., & Hanafi, N. (2013). Entrepreneurial Orientation and Business Performance of Women-Owned Small and Medium Enterprises in Malaysia: Competitive Advantage as a Mediator. In *International Journal of Business and Social Science* (Vol. 4, Issue 1). www.ijbssnet.com
- Mahyuni, L. P., & Setiawan, I. W. A. (2021). Bagaimana QRIS menarik minat UMKM? Sebuah model untuk memahami intensi UMKM menggunakan QRIS. *FORUM EKONOMI*, 23(4), 735–747. <https://doi.org/10.30872/jfor.v23i4.10158>
- Manurung, A. D. P., Sadalia, I., & Syahyunan. (2023). Intellectual Capital, Non-Performing Loan, and Inflation's Effects on Firm Value : The Mediating Role of Financial Performance. *Mutiara: Multidisciplinary Scientific Journal*, 1(10), 669–679. <https://doi.org/10.57185/mutiara.v1i10.102>
- Margalina, V.-M., Morales Carrasco, L. V., & Coba Molina, E. M. (2020). *The Quality of Relationships When Business Association Is a Prerequisite to Obtain Benefits From Public Institutions* (pp. 54–77). <https://doi.org/10.4018/978-1-7998-1859-5.ch003>
- Margherita, A., Elia, G., & Petti, C. (2022). What Is Quality in Research? Building a Framework of Design, Process and Impact Attributes and Evaluation Perspectives. *Sustainability*, 14(5), 3034. <https://doi.org/10.3390/su14053034>
- Marlena, N., & Sholekhuddin, M. (2018). INCREASING MARKETING PERFORMANCE OF MILKFISH PROCESSING MICRO SMALL AND MEDIUM ENTERPRISE (MSMEs) IN EAST JAVA: BOTH PRODUCT INNOVATION AND SUPPLY CHAIN STILL CAN DO? *Econosains Jurnal Online Ekonomi Dan Pendidikan*, 16(1), 58–66. <https://doi.org/10.21009/econosains.0161.06>
- Marsahanda Rafiani, K., Ayu Yunanda, R., & Rusmanto, T. (2024). DETERMINANTS OF QRIS USAGE AS A DIGITAL PAYMENT TOOL FOR MSMES. *Journal of Theoretical and Applied Information Technology*, 15(3). www.jatit.org
- Martens, M., Roll, O., & Elliott, R. (2017). Testing the Technology Readiness and Acceptance Model for Mobile Payments Across Germany and South Africa. *International Journal of Innovation and Technology Management*, 14(06), 1750033. <https://doi.org/10.1142/S021987701750033X>
- Memarista, G., Gunawan, E. T., & Kristina, N. (2023). E-COMMERCE USAGE AND INDONESIAN MSME'S PERFORMANCE. *JMBI UNSRAT (Jurnal*

- Ilmiah Manajemen Bisnis Dan Inovasi Universitas Sam Ratulangi),*, 10(2), 846–860. <https://doi.org/10.35794/jmbi.v10i2.48062>
- Ming, K. L. Y., & Jais, M. (2022). Factors Affecting the Intention to Use E-Wallets during the COVID-19 Pandemic. *Gadjah Mada International Journal of Business*, 24(1), 82. <https://doi.org/10.22146/gamaijb.64708>
- Nanang Wahyudin, Novita Herlissha, Christianingrum, & Dwi Rizki Aldiesi. (2022). The Utilization of E-Commerce and QRIS as Digital Payment Tools to Improve Sales Performance through Competitive Advantage in MSME. *Journal of Consumer Sciences*, 7(2), 134–147. <https://doi.org/10.29244/jcs.7.2.134-147>
- Nelson, M. R. (2001). Sustainable Competitive Advantage from Information Technology. In *Strategic Information Technology* (pp. 40–55). IGI Global. <https://doi.org/10.4018/978-1-878289-87-2.ch002>
- Noor, M., & Shariff, M. (2022). Competitive Advantage as Mediating Variable on the Relationship Between Innovation and Business Performance on SMES in Purwokerto Province. *Saudi Journal of Business and Management Studies*.
- Nurhapsari, R., & Sholihah, E. (2022). Analysis of the factors of intention to use QRIS for MSMEs in Semarang City's traditional market. *Jurnal Ekonomi Modernisasi*, 18(2), 199–211. <https://doi.org/10.21067/jem.v18i2.7291>
- Nurtiah, N. (2016). Pengaruh Orientasi Pasar dan Manajemen Pengetahuan Terhadap Kinerja Pemasaran. *ESENSI*, 6(2). <https://doi.org/10.15408/ess.v6i2.3775>
- Octavia, A., Indrawijaya, S., Sriayudha, Y., . H., Hasbullah, H., & . A. (2020). Impact on E-Commerce Adoption on Entrepreneurial Orientation and Market Orientation in Business Performance of SMEs. *Asian Economic and Financial Review*, 10(5), 516–525. <https://doi.org/10.18488/journal.aefr.2020.105.516.525>
- Oryza, M., Annuar, S. N. S., Adam, A. A., & Sharkawi, S. (2023). The Pivotal Role of Cashless System Adoption Among Micro, Small, and Medium Enterprises (MSMEs) in Malaysia: the Challenges and Opportunities. *South East Asia Journal of Contemporary Business, Economics and Law*, 28(3).
- Pal, P., Sethi, G., Nath, A., & Swami, S. (2008). Towards cleaner technologies in small and micro enterprises: a process-based case study of foundry industry in India. *Journal of Cleaner Production*, 16(12), 1264–1274. <https://doi.org/10.1016/j.jclepro.2007.06.021>
- Petzer, D. J., Steyn, T., & Mostert, P. (2008). Competitive marketing strategies of selected hotels: an exploratory study. . *Southern African Business Review*, 12, 1–22.
- Preacher, K. J., & Hayes, A. F. (2004). SPSS and SAS procedures for estimating indirect effects in simple mediation models. In *Behavior Research Methods, Instruments, & Computers* (Vol. 36, Issue 4). www.psychonomic.org/archive/
- Priadana, Sidik. M. S. Prof. Dr. H. M., & Sunarsi, Denok. S. Pd. , M. M. (2021). *Metode Penelitian Kuantitatif*.
- Primadita Karina, A., & Dewi Astuti, R. (2022). *THE ROLE OF DIGITAL ORIENTATION, DIGITAL CAPABILITY AND DIGITAL INNOVATION ON THE RELATIONSHIP OF ENVIRONMENTAL DYNAMISM TOWARDS FMCG SME's PERFORMANCE*.
- Puspitasari, A. A., & Salehudin, I. (2022). Quick Response Indonesian Standard (QRIS): Does Government Support Contribute to Cashless Payment System Long-term Adoption? *Journal of Marketing Innovation (JMI)*, 2(1).

- https://doi.org/10.35313/jmi.v2i1.29
- Ramaswami, S. N., Srivastava, R. K., & Bhargava, M. (2009a). Market-based capabilities and financial performance of firms: insights into marketing's contribution to firm value. *Journal of the Academy of Marketing Science*, 37(2), 97–116. https://doi.org/10.1007/s11747-008-0120-2
- Ramaswami, S. N., Srivastava, R. K., & Bhargava, M. (2009b). Market-based capabilities and financial performance of firms: insights into marketing's contribution to firm value. *Journal of the Academy of Marketing Science*, 37(2), 97–116. https://doi.org/10.1007/s11747-008-0120-2
- Riantama, E., Suardhika, N., & Yuesti, A. (2020). Financial Technology Application Success in the 4.0 Era. *International Journal of Psychosocial Rehabilitation*.
- Rini Dwi Astuti, Purwiyanta, & Didit Welly Udjianto. (2023). THE IMPACT OF DIGITAL ECONOMY ON ECONOMIC GROWTH IN SOUTHEAST ASIA. *International Journal of Advanced Economics*, 5(1), 10–17. https://doi.org/10.51594/ijae.v5i1.430
- Rogers, E. M., Singhal, A., & Quinlan, M. M. (2003). Diffusion of Innovations 1. In *An Integrated Approach to Communication Theory and Research* (pp. 415–434). Routledge. https://doi.org/10.4324/9780203710753-35
- Sagayarani, D. (2019). Digital Payments In India. In *IOSR Journal of Business and Management*. www.iosrjournals.org
- Santoso, W., Sitorus, P. M., Batunanggar, S., Krisanti, F. T., Anggadwita, G., & Alamsyah, A. (2021). Talent mapping: a strategic approach toward digitalization initiatives in the banking and financial technology (FinTech) industry in Indonesia. *Journal of Science and Technology Policy Management*, 12(3), 399–420. https://doi.org/10.1108/JSTPM-04-2020-0075
- Saputri, O. (2020). Consumer preferences in using the Indonesian Standard Quick Response Code (QRIS) as a digital payment tool. *Jurnal FEB UNMUL*, 17(2), 237–247.
- Sarah Dien Hawa, Angga Ari Prasetya, & Haza Lana Wigati. (2023). The Role of Digital Transformation on Marketing Performance of Bird Cages in Ajibarang with Digital Marketing as a Mediation Variable. *Proceeding of International Conference on Islamic Economics, Islamic Banking, Zakah and Waqf*, 1, 1–14. https://doi.org/10.24090/ieibzawa.v1i.739
- Sari, P. K., Nurshabrina, N., & Candiwan. (2016). Factor analysis on information security management in higher education institutions. *2016 4th International Conference on Cyber and IT Service Management*, 1–5. https://doi.org/10.1109/CITSM.2016.7577518
- Sekaran, U., & Bougie, R. (2016). *Research Methods For Business: A Skill Building Approach* (7th Edition). John Wiley & Sons.
- Slade, E. L., Dwivedi, Y. K., Piercy, N. C., & Williams, M. D. (2015). Modeling Consumers' Adoption Intentions of Remote Mobile Payments in the United Kingdom: Extending UTAUT with Innovativeness, Risk, and Trust. *Psychology & Marketing*, 32(8), 860–873. https://doi.org/10.1002/mar.20823
- Solimun, S., & Fernandes, A. A. R. (2017). Investigation the mediating variable: What is necessary? (case study in management research). *International Journal of Law and Management*, 59(6), 1059–1067. https://doi.org/10.1108/IJLMA-09-2016-0077
- Stage, F. K., Carter, H. C., & Nora, A. (2004). Path Analysis: An Introduction and Analysis of a Decade of Research. *The Journal of Educational Research*,

- 98(1), 5–13. <https://doi.org/10.3200/JOER.98.1.5-13>
- Subari, S. M., & Ascarya. (2003). *Kebijakan Sistem Pembayaran di Indonesia*. Center for Central Banking Education and Studies Bank Indonesia.
- Sugiyono. (2022). *Metode Penelitian Manajemen: Edisi Revisi. Alfabeta*.
- Sujarweni, W. (2021). *Manajemen Keuangan Teori, Aplikasi dan Hasil Penelitian*. Pustaka Baru Press.
- Sulistyaningsih, H., & Dr. Hanggraeni, D. (2021). The Impact of Technological, Organisational, Environmental Factors on The Adoption of QR Code Indonesian Standard and Micro Small Medium Enterprise Performance. *Turkish Journal of Computer and Mathematics Education (TURCOMAT)*, 12(14).
- Sumarta, N. H., Rahardjo, M., Satriya, K. K. T., Supriyono, E., & Amidjaya, P. G. (2023). Bank ownership structure and reputation through sustainability reporting in Indonesia. *Social Responsibility Journal*, 19(6), 989–1002. <https://doi.org/10.1108/SRJ-01-2021-0024>
- Suparman, S., & Ruswanti, E. (2017). Market Orientation, Product Innovation on Marketing Performance Rattan Industry in Cirebon Indonesia. *IOSR Journal of Economics and Finance*, 08(01), 19–25. <https://doi.org/10.9790/5933-0801031925>
- Susanti, E., Mulyanti, R. Y., & Wati, L. N. (2023). *Systematic Literature Review: Increasing Performance of Women MSMEs Through Competitive Advantage Based on Digital Transformation and Innovation* (pp. 25–61). https://doi.org/10.2991/978-94-6463-068-8_4
- Taher, G. (2021). E-Commerce: Advantages and Limitations. *International Journal of Academic Research in Accounting, Finance and Management Sciences*, 11(1). <https://doi.org/10.6007/IJARAFMS/v11-i1/8987>
- TAMBUNAN, T. T. H. (2020). Evidence on the use of internet for businesses by MSEs in a Developing Country. The Indonesian case. *Anais Da Academia Brasileira de Ciências*, 92(1). <https://doi.org/10.1590/0001-3765202020180555>
- Tarigan, E. S., & Mawardi, W. (2024). UTILIZATION OF BIG DATA IN BUSINESS ANALYSIS IN MICRO, SMALL AND MEDIUM ENTERPRISES (MSME) IN ORDER TO INC REASE THE SCALE OF ECONOMIC BUSINESS IN THE SUMATRA REGION. *EKOMBIS REVIEW: Jurnal Ilmiah Ekonomi Dan Bisnis*, 12(1).
- Terzi, N. (2011). The impact of e-commerce on international trade and employment. *Procedia - Social and Behavioral Sciences*, 24, 745–753. <https://doi.org/10.1016/j.sbspro.2011.09.010>
- Thong, J. Y. L. (1999). An Integrated Model of Information Systems Adoption in Small Businesses. *Journal of Management Information Systems*, 15(4), 187–214. <https://doi.org/10.1080/07421222.1999.11518227>
- Thrassou, A., Uzunboylu, N., Vrontis, D., & Christofi, M. (2020). *Digitalization of SMEs: A Review of Opportunities and Challenges* (pp. 179–200). https://doi.org/10.1007/978-3-030-45835-5_9
- To, A. T., & Trinh, T. H. M. (2021). Understanding behavioral intention to use mobile wallets in vietnam: Extending the tam model with trust and enjoyment. *Cogent Business & Management*, 8(1). <https://doi.org/10.1080/23311975.2021.1891661>
- Udayana, A. A. G. B., Fatmawaty, A. S., Makbul, Y., Priowirjanto, E. S., Ani, L. S., Siswanto, E., Susanti, W., & Andriani, S. (2024). Investigating the role of e-

- commerce application and digital marketing implementation on the financial and sustainability performance: An empirical study on Indonesian SMEs , *International Journal of Data and Network Science*, 8(1), 167–178.
<https://doi.org/10.5267/j.ijdns.2023.10.007>
- Van Huy, L., Rowe, F., Truex, D., & Huynh, M. Q. (2012). An Empirical Study of Determinants of E-Commerce Adoption in SMEs in Vietnam. *Journal of Global Information Management*, 20(3), 23–54.
<https://doi.org/10.4018/jgim.2012070102>
- Wahyuni, S., Widodo, J., Zulianto, M., & Islami, N. N. (2020). The analysis of e-commerce utilization in Micro, Small and Medium Enterprises (MSMEs) at Jember. *IOP Conference Series: Earth and Environmental Science*, 485(1), 012037. <https://doi.org/10.1088/1755-1315/485/1/012037>
- Wardhani, R. A., Arkeman, Y., & Ermawati, W. J. (2023). The Impact of Quick Response Adoption of Payment Code on MSMEs' Financial Performance in Indonesia. *International Journal of Social Service and Research*, 3(3), 869–878. <https://doi.org/10.46799/ijssr.v3i3.294>
- Wijaya, E., & Mulyandi, M. R. (2021). Tren Penggunaan Uang Elektronik Terhadap Generasi Milenial. *Jurnal Manajemen Bisnis*, 18(1), 43–52.
<https://doi.org/10.38043/jmb.v18i1.2775>
- Wiklund, J. (1999). The Sustainability of the Entrepreneurial Orientation—Performance Relationship. *Entrepreneurship Theory and Practice*, 24(1), 37–48. <https://doi.org/10.1177/104225879902400103>
- Wu, F., Yeniyurt, S., Kim, D., & Cavusgil, S. T. (2006). The impact of information technology on supply chain capabilities and firm performance: A resource-based view. *Industrial Marketing Management*, 35(4), 493–504.
<https://doi.org/10.1016/j.indmarman.2005.05.003>
- Xia, L., Baghaie, S., & Mohammad Sajadi, S. (2024). The digital economy: Challenges and opportunities in the new era of technology and electronic communications. *Ain Shams Engineering Journal*, 15(2), 102411.
<https://doi.org/10.1016/j.asej.2023.102411>
- Zhou, Q., Gao, P., & Chimhowu, A. (2019). ICTs in the transformation of rural enterprises in China: A multi-layer perspective. *Technological Forecasting and Social Change*, 145, 12–23. <https://doi.org/10.1016/j.techfore.2019.04.026>