

**PENGARUH LAYANAN INFORMASI TERHADAP MINAT BELI YANG  
DIMEDIASI OLEH KEPUASAN PELANGGAN TELKOMSEL DI  
SUMATERA**

***THE EFFECT OF INFORMATION SERVICES ON BUYING INTEREST  
MEDIATED BY TELKOMSEL CUSTOMER SATISFACTION IN SUMATRA***

**TESIS**

Diajukan Kepada Sekolah Pascasarjana Universitas Pendidikan Indonesia Untuk  
Memenuhi Sebagian Persyaratan Guna Memperoleh Gelar Master Sains



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UNIVERSITAS PENDIDIKAN INDONESIA  
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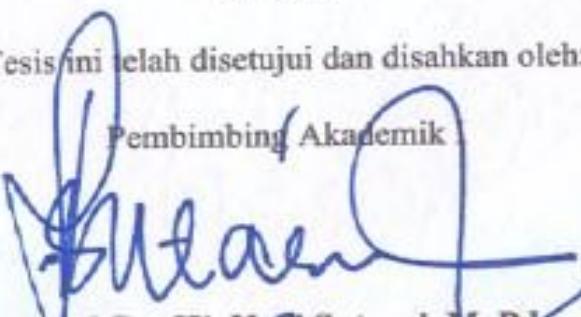
## LEMBAR PENGESAHAN

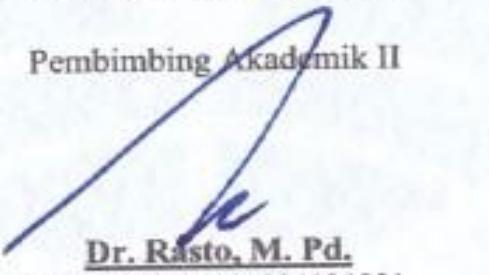
### PENGARUH LAYANAN INFORMASI TERHADAP MINAT BELI YANG DIMEDIASI OLEH KEPUASAN PELANGGAN TELKOMSEL DI SUMATERA

*(The Effect Of Information Services On Buying Interest Mediated By Telkomsel  
Customer Satisfaction In Sumatra)*

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Sebuah Tesis yang diajukan untuk memenuhi salah satu syarat memperoleh gelar  
Magister Sains pada Sekolah Pascasarjana

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Agustus 2023

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## **LEMBAR PERNYATAAN**

Dengan Ini saya menyatakan bahwa tesis dengan judul “PENGARUH LAYANAN INFORMASI TERHADAP MINAT BELI YANG DIMEDIASI OLEH KEPUASAN PELANGGAN TELKOMSEL DI SUMATERA” ini beserta seluruh isinya adalah benar-benar karya saya sendiri. Saya tidak melakukan penjiplakan atau pengutipan dengan cara-cara yang tida sesuai dengan etika keilmuan yang berlaku dalam masyarakat keilmuan.

Atas pernyataan ini, saya siap menanggung segala resiko dan konsekuensi yangdijatuhkan kepada saya apabila kemudian ditemukan adanya pelanggaran terhadap etika keilmuan atau ada klaim dari pihak lain terhadap karya saya ini.

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## **KATA PENGANTAR**

Puji syukur yang sedalam-dalamnya penulis panjatkan kehadirat Tuhan Yang Maha Esa atas segala berkat dan limpahan rahmat-Nya sehingga penulis dapat menyelesaikan proposal penelitian tesis dengan judul “Pengaruh Layanan Informasi Terhadap Minat Beli Yang Dimediasi Oleh Kepuasan Pelanggan Telkomsel di Sumatera”

Tujuan dari penulisan tesis ini adalah untuk memenuhi syarat dalam mencapai derajat Magister Pendidikan Manajemen Perkantoran pada Program Studi Pasca Sarjana Universitas Pendidikan Indonesia. Di dalam proses penulisan tesis ini, penulis banyak mendapatkan bimbingan dan dukungan dari berbagai pihak sehingga penulisan tesis ini dapat terselesaikan tepat waktu. Oleh karena itu, ucapan terimakasih yang sebesar-besarnya dan penghargaan setinggi-tingginya penulis sampaikan kepada:

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Medan, 11 Februari 2023

Penulis

## **ABSTRACT**

This study aims to investigate the relationship between information service users and purchase intent, mediated by Telkomsel customer satisfaction on Sumatra Island. Sumatra Island has a large population and is growing rapidly in the use of Telkomsel information services of various types such as: website, call center, grapari, and social media. However, research on how users of information services influence purchase intent and customer satisfaction is still limited in this region. This research method uses a quantitative approach with data collection techniques through surveys filled out by respondents who are users of information services on the island of Sumatra. Questionnaires are used to collect data on users' perceptions of information service users, their purchase intent, and their level of satisfaction. The study sample was randomly taken from various cities on Sumatra Island to represent the diversity of information service users in the region. Data analysis is performed using appropriate statistical methods, such as regression analysis and hypothesis testing. The results of this study will provide a better understanding of the influence of information service users on purchase intentions and user satisfaction on Sumatra Island. It is hoped that this research can provide valuable insights for information service providers, e-commerce companies, and governments in increasing information service users, understanding factors that influence purchase intent, and increasing user satisfaction on Sumatra Island.

**Keywords:** User Information Services, Purchase Intent, and Customer Satisfaction

## **ABSTRAK**

Penelitian ini bertujuan untuk menyelidiki hubungan antara pengguna layanan informasi terhadap niat membeli, yang dimediasi oleh kepuasan pelanggan Telkomsel di Pulau Sumatra. Pulau Sumatra memiliki populasi yang besar dan berkembang pesat dalam penggunaan layanan informasi Telkomsel dari berbagai jenis seperti: website, call center, Grapari, dan social media. Namun, penelitian tentang bagaimana pengguna layanan informasi mempengaruhi niat membeli dan kepuasan pelanggan masih terbatas di wilayah ini. Metode penelitian ini menggunakan pendekatan kuantitatif dengan teknik pengumpulan data dimediasi survei yang diisi oleh responden yang merupakan pengguna layanan informasi di Pulau Sumatera. Kuesioner digunakan untuk mengumpulkan data tentang persepsi pengguna terhadap pengguna layanan informasi, niat membeli, dan tingkat kepuasan mereka. Sampel penelitian diambil secara acak dari berbagai kota di Pulau Sumatra untuk mewakili keragaman pengguna layanan informasi di wilayah tersebut. Analisis data dilakukan dengan menggunakan metode statistik yang tepat, seperti analisis regresi dan uji hipotesis. Hasil penelitian ini akan memberikan pemahaman yang lebih baik tentang pengaruh pengguna layanan informasi terhadap niat membeli dan kepuasan pengguna di Pulau Sumatra. Diharapkan penelitian ini dapat memberikan wawasan yang berharga bagi penyedia layanan informasi, perusahaan e-commerce, dan pemerintah dalam meningkatkan pengguna layanan informasi, memahami faktor-faktor yang mempengaruhi niat membeli, dan meningkatkan kepuasan pengguna di Pulau Sumatra.

**Kata kunci:** Pengguna Layanan Informasi, Niat Membeli, dan Kepuasan Pelanggan

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## DAFTAR PUSTAKA

- Abdullah, I. D., Yatin, S. F. M., Anam, N. K., Adli, N. H. H., Fakeh, S. S. K. W., Kamarudin, H. D., & Hussin, M. Z. (2020). Knowledge sources: Key factors for an organization in creating new invention and innovation. *International Journal of Academic Research in Business and Social Sciences*, 10(11), 1127–1137.
- Abdullah, N. N., Prabhu, M., & Othman, M. B. (2022). Analysing driving factors of customer satisfaction among telecommunication service providers in Kurdistan region. *International Journal of Engineering Business Management*, 14.
- Addeh, G. Y. A., Kudjo, E. N. W., Yora, P. D., Al-Omari, A. M. M. A., Noman, A., Serwah, A. V., & Amuzu, F. (2022). Mobile Telecommunication Networks: Advertisement and Customer Decision Making. *2022 Interdisciplinary Research in Technology and Management (IRTM)*, 1–5.
- Afizha, J., & Kholik, A. (2021). Penerapan Komunikasi Efektif 7C Dalam Pelayanan Informasi Publik Oleh Kantor Pelayanan Kekayaan Negara Dan Lelang Jakarta II. *Jurnal Riset Mahasiswa Dakwah Dan Komunikasi*, 3(3), 111–125.
- Ahmad, N., Laplante, P., & DeFranco, J. F. (2020). Life, IoT, and the pursuit of happiness. *IT Professional*, 22(6), 4–7.
- Allegrezza, S. (2021). Il problema dell'eredità digitale nella trasmissione di archivi e biblioteche personali. *Bibliothecae. It*, 10(1), 352–400.
- Altuntas, S., & Kansu, S. (2019). An innovative and integrated approach based on SERVQUAL, QFD and FMEA for service quality improvement: A case study. *Kybernetes*, 49, 2419–2453.
- Amarin, S., & Wijaksana, T. I. (2021). Pengaruh Kualitas Sistem, Kualitas Informasi, dan Kualitas Layanan Terhadap Kepuasan Konsumen (Studi Pada Pengguna Aplikasi Berrybenka di Kota Bandung). *Business Management Analysis Journal (BMAJ)*, 4(1), 37–52. <https://doi.org/10.24176/bmaj.v4i1.6001>
- Ambarkar, S., & Akhare, R. (2020). A study to analyze impact of social media on society: WhatsApp in particular. *International Journal of Education and Management Engineering*, 10(1), 1.
- Andrews, R. L., & Currim, I. S. (2009). Multi-stage purchase decision models: Accommodating response heterogeneity, common demand shocks, and endogeneity using disaggregate data. *International Journal of Research in Marketing*, 26(3), 197–206.
- Ansari, M. A. A., Sajid, M., Khan, A. J., & Ahmed, T. (2021). Factors of Customer Satisfaction in Service Sector: Does Quality of Service Matter? *Journal of Accounting and Finance in Emerging Economies*, 7(4), 897–911.
- Arif, M. (2021). Product quality, influence of price and e-commerce on people's buying interest on UMKM. *International Proceeding of Law and Economic*, 104–111.

- Balanovskaya, A. V., Volkodaeva, A. V., & Vshivkov, A. V. (2021). Role of Integrated Information Systems for Modern Organizations. *Economic Systems in the New Era: Stable Systems in an Unstable World*, 520–528.
- Becker, J., Beverungen, D., Matzner, M., & Müller, O. (2009). Design Requirements to Support Information Flows for Providing Customer Solutions: A Case Study in the Mechanical Engineering Sector. *Proceedings of the First International Symposium on Services Science*.
- Brunette, W., Sundt, M., Dell, N., Chaudhri, R., Breit, N., & Borriello, G. (2013). Open data kit 2.0: expanding and refining information services for developing regions. *Proceedings of the 14th Workshop on Mobile Computing Systems and Applications*, 1–6.
- Cannon, J. E. (2019). *Strategies for Improving Data Protection to Reduce Data Loss from Cyberattacks*. Walden University.
- Caroline, A. J., & Durai, D. T. (2017). *A Study on the Constituents of Advertisement That Manipulate Consumer Buying Decisions*. 19101–19107.
- Cerny, T., & Donahoo, M. J. (2016). Survey on concern separation in service integration. *SOFSEM 2016: Theory and Practice of Computer Science: 42nd International Conference on Current Trends in Theory and Practice of Computer Science, Harrachov, Czech Republic, January 23-28, 2016, Proceedings* 42, 518–531.
- Chacha, N., & Figueiras, R. (2019). Customer Service as a Decision-Making factor in a Mozambican Telecommunications company. *Revista Electrónica de Investigação e Desenvolvimento*, 2(8).
- Chai, J., He, Y., Hashemi, H., Li, B., Parveen, D., Kondapally, R., & Xu, W. (2021). Automatic Construction of Enterprise Knowledge Base. *ArXiv Preprint ArXiv:2106.15085*.
- Chakravarthi, V. S., & Chakravarthi, V. S. (2021). IoT Database Management and Analytics. *Internet of Things and M2M Communication Technologies: Architecture and Practical Design Approach to IoT in Industry 4.0*, 207–229.
- Chao, R.-F. (2015). The impact of experimental marketing on customer loyalty for fitness clubs: Using brand image and satisfaction as the mediating variables. *The Journal of International Management Studies*, 52–60.
- Chen, J.-K. (2018). An integrated fuzzy MICMAC with a revised IPA approach to explore service quality improvement. *Total Quality Management & Business Excellence*, 31, 1487–1505.
- Cheng, Y., Xie, Q., & Zhang, Z. (2020). A Method of Real-time Service Quality Evaluation Based on Customer Behavior. *Proceedings of the 10th International Conference on Information Communication and Management*, 31–37.
- Choi, M. J., Kim, Y. R., Choi, M. J., & Kim, Y. R. (2022). Effect of COVID-19 Risk Perception on Cosmeceutical Purchase Intention and Behavior. *Asian Journal of Beauty and Cosmetology*, 20(3), 325–336.
- Choi, Y. B., Teer, F. P., & Teer, H. B. (2005). Management of Telecommunications Services: A Vital New Content Area and a Course Model for the College of Business. *Int. J. Inf. Commun. Technol. Educ.*, 1, 60–73.
- Christian, O. (2016). Managing education, training, and knowledge. *Creative &*

- Knowledge Society*, 6(1), 1–17.
- da Silva, A. C. L. (2021). The Digital Bridge: The Way We Work and Communicate in the Digital Age. In *Reviving Businesses With New Organizational Change Management Strategies* (pp. 45–55). IGI Global.
- David, O. O., Abina, B., & Oyeniran, I. W. (2015). Advertising and Consumer Choice of Telecommunication Services in Nigeria. *Journal of Cryptology*, 7, 37–49.
- DeLone, W. H., & McLean, E. R. (2003). The DeLone and McLean model of information systems success: a ten-year update. *Journal of Management Information Systems*, 19(4), 9–30.
- Demirkan, H., & Goul, M. (2013). Introduction to the cloud service science and systems minitrack. *2013 46th Hawaii International Conference on System Sciences*, 1015.
- Dewi, R. M., & Hartono, T. (2019). E-Commerce Marketing Communication Strategies on Consumer Buying Interest. *IOP Conference Series: Materials Science and Engineering*, 662(3), 32013.
- Donnelly, J., John, A., Mirlach, J., Osberghaus, K., Rother, S., Schmidt, C., Voucko-Glockner, H., & Wenninger, S. (2021). Enabling The Smart Factory—A Digital Platform Concept For Standardized Data Integration. *ESSN*: 2701-6277.
- Donny, J. R., Juju, U., & Rosmadi, M. L. N. (2018). The factors that affect customer value and its impact on the customer loyalty. *Budapest International Research and Critics Institute-Journal (BIRCI-Journal)*, 1(4), 299–305.
- Erkmen, T., Günsel, A., & Altındağ, E. (2020). The role of innovative climate in the relationship between sustainable IT capability and firm performance. *Sustainability*, 12(10), 4058.
- Fasha, A. F., Robi, M. R., & Windasari, S. (2022). Determinasi keputusan pembelian dimediasi minat beli: brand ambassador dan brand image (literature review manajemen pemasaran). *Jurnal Manajemen Pendidikan Dan Ilmu Sosial*, 3(1), 30–42.
- Fitria, N., Troena, E. A., & Hussein, A. S. (2016). The influence of relational benefits and bank brand image to customer loyalty through Sharia bank customer satisfaction (a study on PT Bank Syariah Mandiri Kediri Branch). *Imperial Journal of Interdisciplinary Research*, 2(8), 31–38.
- Fornell, C., Morgeson III, F. V., Hult, G. T. M., VanAmburg, D., Fornell, C., Morgeson, F. V., Hult, G. T. M., & VanAmburg, D. (2020). Defining Customer Satisfaction: A Strategic Company Asset? *The Reign of the Customer: Customer-Centric Approaches to Improving Satisfaction*, 1–24.
- Forner, V. W., Jones, M., Berry, Y., & ... (2020). Motivating workers: how leaders apply self-determination theory in organizations. In ... *Management Journal*. emerald.com. <https://doi.org/10.1108/OMJ-03-2020-0891>
- Galiveeti, S., Tawalbeh, L., Tawalbeh, M., & El-Latif, A. A. A. (2021). Cybersecurity analysis: Investigating the data integrity and privacy in AWS and Azure cloud platforms. In *Artificial intelligence and blockchain for future cybersecurity applications* (pp. 329–360). Springer.
- Gensler, S., Verhoef, P. C., & Böhm, M. (2012). Understanding consumers'

- multichannel choices across the different stages of the buying process. *Marketing Letters*, 23, 987–1003.
- Ghozali, I. (2018). Aplikasi Analisis Multivariante dengan Program IBM SPSS 25 Edisi 9. Semarang: Badan penerbit Universitas Diponegoro. Variabel Pemoderasi. *E-Jurnal Akuntansi Universitas Udayana*, 23(2), 1470.
- Gocek, I., Kurşun, S., & Beceren, Y. I. (2007). The Perception of Customer Satisfaction in Textile Industry According to Genders in Turkey. *World Academy of Science, Engineering and Technology, International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering*, 1, 193–196.
- González, L., & Ruggia, R. (2014). Towards a compliance-aware inter-organizational service integration platform. *On the Move to Meaningful Internet Systems: OTM 2014 Workshops: Federated International Workshops: OTM Academy, OTM Industry Case Studies Program, C&TC, EI2N, INBAST, ISDE, META4eS, MSC and OnToContent 2014, Amantea, Italy, October 27-31, 2014. Proceed*, 8–17.
- Gregory, R. W., Henfridsson, O., Kaganer, E., & Kyriakou, H. (2022). Data network effects: Key conditions, shared data, and the data value duality. *Academy of Management Review*, 47(1), 189–192.
- Gupta, R. K. (2021). Exploring the factors affecting purchase intention towards green packaged products of Indian consumers. *E3S Web of Conferences*, 309. <https://doi.org/10.1051/e3sconf/202130901084>
- Hamdani, H., Setiawinata, T. N., Septiarini, A., Henderi, Abidin, Z., & Hartatik. (2021). Customer Satisfaction Analysis to Improve the Library Services Using Fuzzy Servqual Method. *2021 International Conference on Decision Aid Sciences and Application (DASA)*, 67–72.
- Hamid, W. N. A. B. W. A., Azahari, M. S. Bin, Azam, N. M. B. M. N., Kamalrozaman, N. A. K. B., Kamal, N. B. C., Min, P. C. F., Ramiah, V. D. G., Ching, H. S., & Krishnan, I. A. (2021). Customer Satisfaction on the Quality of Services of Local Skin Care Products. *Malaysian Journal of Social Sciences and Humanities (MJSSH)*.
- Harris, P., Rettie, R., & Cheung, C. K. (2005). Adoption and usage of m-commerce: A cross-cultural comparison of Hong Kong and the United Kingdom. *Journal of Electronic Commerce Research*, 6(3), 210–224.
- Hassani, H., Huang, X., & Silva, E. (2021). The human digitalisation journey: Technology first at the expense of humans? *Information*, 12(7), 267.
- Helgesen, Ø. (2007). Drivers of customer satisfaction in business-to-business relationships. *British Food Journal*, 109, 819–837.
- Hendro, H., & Keni, K. (2020). Ewom dan trust sebagai prediktor terhadap purchase intention: Brand image sebagai variabel mediasi. *Jurnal Komunikasi*, 12(2), 298–310.
- Hernandez, H., Niebles, W., & Montenegro, A. (2018). *Servicio al cliente: una opción de mejora empresarial. Enfoque Latinoamericano*, 1 (1), 61-65.
- Hirata, K., & Kurihara, A. (2022). *Customer service support system, customer service support method, and non-transitory computer-readable medium*. Google Patents.

- Huang, Chen., Wang, Shihui., Zhang, Y. (2019). *Customer interest analysis method for new retail.*
- Huda, N., & Armel, Y. (2022). Pengaruh harga, kualitas produk dan brand equity terhadap minat beli konsumen pakaian di kios jelita desa Pambang baru ditinjau dari perspektif ekonomi islam. *Jurnal Manajemen Bisnis Dan Organisasi*, 1(1), 44–50.
- Imran, M., Hamid, S., Aziz, A., & Hameed, W. (2019). The contributing factors towards e-logistic customer satisfaction: a mediating role of information Technology. *Uncertain Supply Chain Management*, 7(1), 63–72.
- Indrawati, P. D. (2015). Metode Penelitian Manajemen dan Bisnis Konvergensi Teknologi Komunikasi dan Informasi. *Bandung: PT Refika Aditama*.
- Jannat, M., & Ahmed, I. (2015). Factors Influencing Customer Satisfaction of Mobile Banking Services: A Study on Second - Generation Banks. *European Journal of Business and Management*, 7, 88–96.
- Jung, G. (2013). *The impact of smartphone adoption on consumers' switching behavior in broadband and cable TV services.*
- Kalangi, J. S., Tulungan, F. R., Pangkey, D. A. P. J., Lintong, E., Gumerung, J., & Kalalo, R. R. (2022). Optimization of Promotional Marketing Strategies on Consumer Buying Interest in Okoy Flower Garden Restaurant. *Interdisciplinary Social Studies*, 1(10), 1296–1306.
- Kanovska, L. (2009). Customer Services and their role for industrial small and medium companies. *Economics and Management*, 14, 413–420.
- Kaur, B., Kiran, S., Grima, S., & Rupeika-Apoga, R. (2021). Digital Banking in Northern India: The Risks on Customer Satisfaction. *Risks*. <https://api.semanticscholar.org/CorpusID:244374356>
- Kaur, R., Singh, R., Gehlot, A., Priyadarshi, N., & Twala, B. (2022). Marketing Strategies 4.0: Recent Trends and Technologies in Marketing. *Sustainability*, 14(24), 16356.
- Khani, S., Panahi, S., Pirsalehi, A., & Pourabbasi, A. (2021). Information Services in Evidence Based Medical Education: A Review of Implementation Trends. *Evidence Based Library and Information Practice*.
- Khawsaad, P. (2014). Individual Investment and Training Investment Decision. Available at SSRN 2489519.
- Komalasari, F., Christianto, A., & Ganiarto, E. (2021). Factors influencing purchase intention in affecting purchase decision: A study of e-commerce customer in Greater Jakarta. *BISNIS & BIROKRASI: Jurnal Ilmu Administrasi Dan Organisasi*, 28(1), 1.
- Kotler, P. (2011). Alih Bahasa: Benyamin Molan. 2011. *Manajemen Pemasaran*.
- Kotler, P. (2016). Keller,(2016) Manajemen Pemasaran. *Jakarta: PT. Indeks*.
- Kusuma, N. W. (2016). *Analisis bauran pemasaran dalam meningkatkan volume penjualan pada New York Bakery*. Universitas Negeri Malang.
- Lauterbach, A., & Bonime-Blanc, A. (2018). *The artificial intelligence imperative: A practical roadmap for business*. ABC-CLIO.
- Li, S., Jiao, F., Zhang, Y., & Xu, X. (2019). Problems and changes in digital libraries in the age of big data from the perspective of user services. *The Journal of Academic Librarianship*, 45(1), 22–30.

- Lin, B., Jia, Z., & Song, M. (2021). Economic Impact of Information Industry Development and Investment Strategy for Information Industry. *J. Glob. Inf. Manag.*, 29, 22–43.
- Lindmark, S., & Allé, V. S. (2003). “*The i-mode Innovation System—*.
- Linkov, V., Zámečník, P., Havlícková, D., & Pai, C. W. (2019). Human factors in the cybersecurity of autonomous vehicles: Trends in current research. *Frontiers in Psychology*, 10(MAY), 1–7. <https://doi.org/10.3389/fpsyg.2019.00995>
- Llansó, T., McNeil, M., & Noteboom, C. (2019). *Multi-criteria selection of capability-based cybersecurity solutions*.
- M'itonga, F. M. (2019). Influence of Value-Added Service Strategies on Performance of Telecommunication Firms in Kenya: A Literature Based Review. *Journal of Strategic Management*, 3(1), 69–81.
- Ma'ruf, F. (2017). *PENINGKATAN KEPUASAN KONSUMEN DIMEDIASI STORE ATMOSPHERE, GAYA HIDUP DAN SOCIAL INFLUENCE TERHADAP MINAT BELI ULANG (Studi Pada Konsumen My. Kopi Semarang)*. Fakultas Ekonomi UNISSULA.
- Mackay, N., Mostert, P. G., & Petzer, D. J. (2015). The interrelationship between service quality, relational benefits, customer satisfaction and behavioural intentions in the South African short-term insurance industry. *The Retail and Marketing Review*, 11(1), 44–60.
- Maitra, R., Shukla, D., Janjua, L., & Raja, M. S. (2023). Implications of Social Media in Sustaining Renewable Energy Usage. In *Implications of Industry 5.0 on Environmental Sustainability* (pp. 192–209). IGI Global.
- Manikam, S., Sahibudin, S., & Kasinathan, V. (2019). Business intelligence addressing service quality for big data analytics in public sector. *Indonesian Journal of Electrical Engineering and Computer Science*, 16(1), 491–499.
- Maqnunah, U. N. (2020). *Implementasi Bauran Pemasaran Dalam Meningkatkan Minat Beli Konsumen Ferdi Putra Grosir (Jl. Raden Patah, Dsn. Jambean, Ds. Cekok, Kec. Babadan, Kab. Ponorogo)*. IAIN PONOROGO.
- Marbandi, A., Ahmadi, A., Bandono, A., & Suharyo, O. S. (2018). Information Security Management Strategy Analysis Using System Dynamics Modeling. *JURNAL ASRO*, 9(2), 107–114.
- McMorran, A. W., Rudd, S. E., Shand, C. M., Simmins, J. J., McCollough, N., & Stewart, E. M. (2014). Data integration challenges for standards-compliant mobile applications. *2014 IEEE PES T&D Conference and Exposition*, 1–5.
- Meitarice, S., Sari, M., Meidiana, M., Adhawiyah, R., & Febriyanti, V. (2022). Information System Strategic Planning DPMPTSP Riau Province using Ward and Peppard Method. *Sistemasi: Jurnal Sistem Informasi*, 11(3), 735–748.
- Meyer, S. F., Elvik, R., & Johnsson, E. (2021). Risk analysis for forecasting cyberattacks against connected and autonomous vehicles. *Journal of Transportation Security*, 14(3–4), 227–247.
- Miha, N. S., Sepang, J., & Soegoto, A. S. (2022). ANALISIS MINAT BELI KONSUMEN DAN KEUNGGULAN PRODUK FASHION PADA ANDINI COLLECTION DI MANADO. *Jurnal EMBA: Jurnal Riset Ekonomi, Manajemen, Bisnis Dan Akuntansi*, 10(2).

- Mircea, E. (2021). Strategic Approaches to obtain Financial Benefits when using Information Technology. *IBIMA Business Review*.
- Mirella, N. N. R., Nurlela, R., Erviana, H., & Farrel, M. H. (2022). FAKTOR YANG MEMPENGARUHI: KEPUASAN PELANGGAN DAN MINAT PEMBELIAN: KUALITAS PRODUK, DAN PERSEPSI HARGA (LITERATUR REVIEW MANAJEMEN PEMASARAN). *JURNAL MANAJEMEN PENDIDIKAN DAN ILMU SOSIAL*. <https://api.semanticscholar.org/CorpusID:254956085>
- Miskam, D., Miskon, S., Abdullah, N. S., & Ali, N. M. (2021). Customer Knowledge Management (CKM) Towards Customer Satisfaction in Delivering Digital Services. *2021 7th International Conference on Research and Innovation in Information Systems (ICRIIS)*, 1–6.
- Mlatho, J., Mikeka, C. Z. M., & Pietrosemoli, E. (2014). Succesful Process for Deploying TV White Spaces Technology in a Developing Country. *EPFL*.
- Mohammadhossein, N., Ahmad, M. N., Zakaria, N. H., & Goudarzi, S. (2015). A study towards the relation of customer relationship management customer benefits and customer satisfaction. In *Marketing and Consumer Behavior: Concepts, Methodologies, Tools, and Applications* (pp. 1268–1287). IGI Global.
- Monica, S., & Divya, V. (2021). Survey Paper on Applications of Cloud Computing. *International Journal of Advanced Research in Science, Communication and Technology*.
- Muh. Wahyuddin MH. SE., M. E. (2022). PENGARUH BAURAN PEMASARAN TERHADAP KEPUASAN PELANGGAN PADA TOKO FURNITUR ANGKASA RAHMAT UNAAHA. *SIBATIK JOURNAL: Jurnal Ilmiah Bidang Sosial, Ekonomi, Budaya, Teknologi, Dan Pendidikan*. <https://api.semanticscholar.org/CorpusID:247504526>
- Muhammad, S. A., Winarno, A., & Hermawan, A. (2021). Strategi Branding Dalam Meningkatkan Minat Beli Bagi Pelaku Usaha Mikro Kecil Menengah (Umkm) Produk Green Bean Kopi. *Jurnal Graha Pengabdian*, 3(4), 369–376.
- Müller, S. C., & Fritz, T. (2013). Stakeholders' information needs for artifacts and their dependencies in a real world context. *2013 IEEE International Conference on Software Maintenance*, 290–299.
- Mulyadi, A., Eka, D., & Nailis, W. (2018). Pengaruh kepercayaan, kemudahan, dan kualitas informasi terhadap keputusan pembelian di toko online Lazada. *Jurnal Ilmiah Manajemen Bisnis Dan Terapan*, 15(2), 87–94.
- Musammem, P. Y. (2023). Investigating the Relationship Between Online Advertising and the Level of Customer Satisfaction in Telecommunication Companies in Faryab Province. *Integrated Journal for Research in Arts and Humanities*, 3(1), 71–78.
- Muth, A., Ismail, R. R., & Boye, C. (2012). *Customer Brand Relationship : An empirical study of customers' perception of brand experience, brand satisfaction, brand trust and how they affect brand loyalty*.
- Muthuraman, S. (2020). Digital business models for sustainability. *Gedrag Organ. Rev*, 33, 1095–1102.
- Myo, Y. N., Khalifa, G. S. A., & Aye, T. T. (2019). *THE IMPACT OF SERVICE*

- QUALITY ON CUSTOMER LOYALTY OF MYANMAR HOSPITALITY INDUSTRY: THE MEDIATING ROLE OF CUSTOMER SATISFACTION.*  
<https://api.semanticscholar.org/CorpusID:204503203>
- Nam, K.-E., & Seong, N. (2020). A study on influencing factors for customer satisfaction and the continuing use of social network services in financial industry. *Enterprise Information Systems*, 15, 395–419.
- Naroş, M.-S., & Simionescu, M. (2019). The role of education in ensuring skilled human capital for companies. *Theoretical and Empirical Researches in Urban Management*, 14(1), 75–84.
- NGUYEN, T. V. Y., NGUYEN, B., THUH, C. A. O., & NGA, T. H. I. (2021). Factors Affecting Customer Satisfaction with The last-mile Delivery Service of The Food and Beverage Industry E-Commerce in Hanoi City. *J. Contemp. Issues Bus. Gov.*, 27(5).
- Nugeroho, A. A. U., Perdana, S., & Hunusalela, Z. F. (2023). Pelatihan Peningkatan Kualitas Layanan untuk Kepuasan Pelanggan Gama UI Cabang Pondok Labu. *Jurnal PkM Pengabdian Kepada Masyarakat*.  
<https://api.semanticscholar.org/CorpusID:257930044>
- Nurjannah, N., Erwina, E., Basalamah, J., & Syahnur, M. H. (2022). The impact of E-CRM and customer experience on E-commerce consumer loyalty through satisfaction in Indonesia. *MIX: Jurnal Ilmiah Manajemen*, 12(1), 56–69.
- Nurul, A. (2019). *UPAYA PIMPINAN DALAM MENINGKATKAN KEPUASAN PELANGGAN INTERNAL DI SMK NEGERI 3 PURWOKERTO*.  
<https://api.semanticscholar.org/CorpusID:214395096>
- O'Brien, J. A., & Marakas, G. M. (2010). *Introduction to Information Systems*. McGraw-Hill Irwin.
- Obeid, J. S., Tarczy-Hornoch, P., Harris, P. A., Barnett, W. K., Anderson, N. R., Embi, P. J., Hogan, W. R., Bell, D. S., McIntosh, L. D., & Knosp, B. (2018). Sustainability considerations for clinical and translational research informatics infrastructure. *Journal of Clinical and Translational Science*, 2(5), 267–275.
- Oh, E.-H., Shin, E.-Y., Kang, T.-K., Lee, Y.-S., & Kim, S.-A. (2013). Realtime facility management system framework based on building information modeling and Web of Things. *ISARC 2013-30th International Symposium on Automation and Robotics in Construction and Mining, Held in Conjunction with the 23rd World Mining Congress*, 1281–1287.
- Osório, A. L., Afsarmanesh, H., & Camarinha-Matos, L. M. (2011). A service integration platform for collaborative networks. *Studies in Informatics and Control*, 20(1), 19–30.
- Pallas, F., Mittal, V., & Groening, C. (2014). Allocation of resources to customer satisfaction and delight based on utilitarian and hedonic benefits. *Journal of Research in Marketing*, 2(1), 106–112.
- Papa, A., Shemet, Y., Yarovy, A., & Vahovska, L. (2022). Development of information technology for analyzing the customer churn of a telecommunication company. *Technology Audit and Production Reserves*, 2(2/64), 11–15.
- Patel, J., Murtadak, K., Deore, S., & Thorat, V. (2020). *IOT Based Analyzation of Press Machine in Automation Industry*.

- Pati, A., & Bandyopadhyay, P. K. (2017). Digital manufacturing: evolution and a process oriented approach to align with business strategy. *International Journal of Economics and Management Engineering*, 11(7), 1746–1751.
- Peinl, R. (2011). Unified information access. *Informatik-Spektrum*, 34(6), 594–597.
- PG, D. S. W. (2018). Potential Benefits and Business Value of Big Data Analytics. *Majalah Ilmiah Bijak*, 15(2), 106–114.
- Polishchuk, E., & Pochupailo, O. (2021). Typical demand trends in the youth labor market in the Republic of Crimea. *SHS Web of Conferences*, 128, 4015.
- Pranedy, A. (2021). Analysis of the Influence of Public Relations and Price Towards Consumer Buying Interest in Make-Up Artist Service (Case Study on Alieffah Pranedy Make-Up Artist). *International Journal of Review Management Business and Entrepreneurship (RMBE)*, 1(2), 245–257.
- Priyambodo, T. K., & Prayudi, Y. (2015). Information security strategy on mobile device based egovernment. *ARPN J. Eng. Appl. Sci.*, 10(2), 652–660.
- Putra, S. D., Sutikno, S., Rosmansyah, Y., & Asrowardi, I. (2014). Integrated implementation of service and information security management system. *2014 International Conference on ICT For Smart Society (ICISS)*, 185–191.
- Raflesia, S. P., Surendro, K., & Passarella, R. (2017). The user engagement impact along information technology of infrastructure library (ITIL) adoption. *2017 International Conference on Electrical Engineering and Computer Science (ICECOS)*, 184–187.
- Rath, M., Satpathy, J., & Oreku, G. S. (2021). Artificial intelligence and machine learning applications in cloud computing and Internet of Things. In *Artificial intelligence to solve pervasive internet of things issues* (pp. 103–123). Elsevier.
- Rind, M. M., Shaikh, A. A., Kumar, K., Solangi, S., & Chhajro, M. A. (2018). Understanding the factors of customer satisfaction: An empirical analysis of Telecom broadband services. *2018 IEEE 5th International Conference on Engineering Technologies and Applied Sciences (ICETAS)*, 1–4.
- Rouibah, K., Dihani, A., & Al-Qirim, N. (2020). Critical success factors affecting information system satisfaction in public sector organizations: A perspective on the mediating role of information quality. *Journal of Global Information Management (JGIM)*, 28(3), 77–98.
- Rudianto, R., & Suarsana, I. K. (2022). Pengaruh Penggunaan Endorser dan Iklan terhadap Minat Beli Konsumen pada PT. Yamaha Jaya Baru Motor Palopo. *JEMMA (Journal of Economic, Management and Accounting)*, 5(1), 34–44.
- Rwehika, I., & Magali, J. (2021). The Influence of Customer Care Service Management on the Performance of the Shops and Clothes Businesses in Bukoba Municipality in Tanzania. *Ushus Journal of Business Management*, 20(1), 51–68.
- Sadat, N., & Ibrahim, J. Bin. (2017). The impact of social media on society. *Imperial Journal of Interdisciplinary Research*, 3.
- Sadeh, T. (2003). Integrated Access to Hybrid Information Resources. *LIBER Quarterly*, 13(3/4).
- Salsabila, A. N., & Saidani, B. (2022). Pengaruh Kualitas Pelayanan dan Harga terhadap Minat Beli Ulang dimediasi Kepuasan Pelanggan sebagai Variabel

- Intervening: Studi Kasus Pada Pelanggan Website Beautyhaul Gen Z di Indonesia. *Jurnal Bisnis, Manajemen, Dan Keuangan-JBMK*, 3(1), 87–100.
- Samad, N. S. A., Muhamad, S. F., Zakaria, N. S., Bahari, N., & Rahman, A. H. A. (2021). Determinant of Customer Satisfaction Towards Pos Laju Malaysia Services During Movement Control Order. *Journal of Entrepreneurship and Business*.
- Saputra, W. S. W., Suratmi, T. S. T., & Tamba, M. T. M. (2022). Analysis of Various Marketing Strategies for Wedding Organizer PT. Pratoza Kreasi Nusantara To Increase Consumer Purchase Interest. *Journal of Entrepreneur and Business*, 1(1), 56–65.
- Sardjono, W., Cholidin, A., & Johan, J. (2023). Implementation of Artificial Intelligence-Based Customer Relationship Management for Telecommunication Companies. *E3S Web of Conferences*, 388.
- Satria, A. D. (2015). *PENGARUH KERAGAMAN PRODUK DAN KUALITAS DALAM PEMBENTUKAN KEPUASAN PELANGGAN TERHADAP PEMBELIAN ULANG KONSUMEN (studi kasus: rumah makan bundo jaya di bunian, kota payakumbuh)*. <https://api.semanticscholar.org/CorpusID:171666768>
- Savelkoul, S. (2019). *The transition to data-driven risk based regulation on the continuity of public telecommunication networks and services: Identifying the technical and organizational requirements for data-driven risk based regulation*.
- Schellhase, R., Hardock, P., & Ohlwein, M. (1999). Customer satisfaction in business-to-business marketing: the case of retail organizations and their suppliers. *Journal of Business & Industrial Marketing*, 14, 416–432.
- Sedarmayanti & Hidayat, S. (2011). Metodelogi Penelitian. Bandung: Mandar Maju.
- Sepilla, S., & Purworini, D. (2022). The Effect of Celebrity Endorser Raffi Ahmad and Testimonial on Consumer Buying Interest of Lemonilo Products on Social Media. *International Conference on Community Empowerment and Engagement (ICCEE 2021)*, 71–79.
- Simanihuruk, P. (2017). EFFECT OF PERCEPTION OF QUALITY, PRICE, ITS REPUTATION AND CUSTOMER SATISFACTION ON PURCHASE DECISION AVIATION SERVICES (Case Study: Customer Services Flights PT. Lion Air). *Jurnal Manajemen Dan Bisnis*, 13–32.
- Snekalatha, T., & Eahambaram, C. (2016). A research on factors affecting customer satisfaction in retail banking. *IJAR*, 2(8), 675–676.
- Somepalli, S. H., Tangella, S. K. R., & Yalamanchili, S. (2020). Information Security Management. *HOLISTICA-Journal of Business and Public Administration*, 11(2), 1–16.
- Stawowy, M., Duer, S., Paś, J., & Wawrzyński, W. (2021). Determining information quality in ICT systems. *Energies*, 14(17), 5549.
- Subhashree, K. B., Lavanya, S., Bhuvaneshwari, K. S., & Aarthi, D. (2019). Analysis of human behavior using gaming effects and social factors in video games. *Int J Innov Technol Expl Eng*, 8, 619–625.
- Sugiyono, P. (2015). Metode penelitian kombinasi (mixed methods). Bandung:

- Alfabeta*, 28, 1–12.
- Sutisna, E., Sekarini, R. A., Sekarini, H., & Ismawati, R. N. (2023). The Effect of Service Quality and Price on Customer Satisfaction of Online Motorcycle Taxi Services in North Jakarta. *International Journal of Social Science And Human Research*, 6(4), 2044–2055.
- Taherdoost, H., & Madanchian, M. (2020). Developing and validating a theoretical model to evaluate customer satisfaction of e-services. In *Digital Innovations for Customer Engagement, Management, and Organizational Improvement* (pp. 46–65). IGI Global.
- Tampubolon, A. S., & Omar Sharif, O. (2022). The Effect Of Information Quality, Social Psychological Distance, Sense Of Power & Trust On Customer Purchase Intention Tokopedia Consumers In Nusa Tenggara Barat. *International Journal of Social Sciences and Management Review*, 5(04), 105–113.
- Thapa, S., Devkota, N., & Paudel, U. R. (2020). Effect of Service Quality on Customer Satisfaction of Domestic Airlines in Nepal. *Quest Journal of Management and Social Sciences*, 2(2), 240–250.
- Tien, N. H., Anh, N., Dung, H., On, P., Anh, V., Dat, N., & Tam, B. (2021). Factors impacting customer satisfaction at Vietcombank in Vietnam. *Himal. J. Econ. Bus. Manag*, 2, 44–51.
- Tolboom, I. H. (2016). *The impact of digital transformation*.
- Tsai, I.-C., & Yeh, C.-H. (2015). Integrating SERVQUAL and Importance-Performance Analysis for Assessing Smart Campus Service Quality: A Case Study of an English Training Programme in Vietnam. *2015 IEEE 15th International Conference on Advanced Learning Technologies*, 436–440.
- Voorveld, H. A. M., Bronner, F. E., Neijens, P. C., & Smit, E. G. (2015). *Media Guiding Consumers Across Different Stages of the Purchase Process BT - Marketing Dynamism & Sustainability: Things Change, Things Stay the Same...* (L. Robinson (ed.); p. 90). Springer International Publishing.
- Wahyuli, R. R., & Tarmawan, I. (2019). Marketing Strategy using Information Technology in Consumer Buying Interest. *IOP Conference Series: Materials Science and Engineering*, 662(3), 32020.
- Waspodo, B., Ratnawati, S., & Halifi, R. (2018). Building digital strategy plan at cv anugrah prima, an information technology service company. *2018 6th International Conference on Cyber and IT Service Management (CITSM)*, 1–4.
- Weingarten, M., & Stuck, B. (1999). The upcoming revolution in customer demand. *Business Communications Review*, 29, 53–59.
- Widianati, I. (2015). Responsivitas Pelayanan Publik Dalam Menangani Keluhan Pelanggan Publik Dalam Menangani Keluhan Pelanggan Di Perusahaan Daerah Air Minum (PDAM) Kabupaten Gresik. *Publika*, 3(8).
- Wiguna, R. (2022). Pemasaran Media Sosial dan Harga terhadap Loyalitas Merek Dimediasi Minat Beli pada Konsumen Jasa Kurir. *Jurnal Impresi Indonesia*, 1(5), 485–501.
- Wijekoon, R., & Sabri, M. F. (2021). Determinants that influence green product purchase intention and behavior: A literature review and guiding framework.

- Sustainability, 13(11), 6219.
- Wilson, S. (2020). The pandemic, the acceleration of digital transformation and the impact on cyber security. *Computer Fraud & Security*, 2020(12), 13–15.
- Wong, Y. K. (2021). Dealing Crisis Management using AI. *CS & IT Conference Proceedings*, 11(14).
- Wu, Q. (2022). *Information service system, information service method, and program*. Google Patents.
- Yahya, J. A., Surjasa, D., & Safitri, D. M. (2021). Perancangan Strategi Customer Satisfaction Improvement Menggunakan Interpretive Structural Modelling pada Operator Seluler di Indonesia. *JURNAL TEKNIK INDUSTRI*, 11(1), 1–7.
- Yessylia. (2009). *Pengaruh Perceived Value, Preferensi Merek dan Kepuasan Pelanggan terhadap Minat Beli Ulang Ponsel Nokia di Surabaya*. <https://api.semanticscholar.org/CorpusID:113810586>
- Yusupova, N., Smetanina, O., Sazonova, E., & Agadullina, A. (2019). Intelligent Information Support for Decision Making in Maintenance and Equipment Repair Management. *2019 XXI International Conference Complex Systems: Control and Modeling Problems (CSCMP)*, 192–197.
- Zakari, A. A., & Ibrahim, U. A. (2021). Impact of customer satisfaction on business performance of SME's in Nigeria. *International Journal of Research in Business and Social Science* (2147- 4478).
- Zalukhu, B. M. A. (2023). Pengaruh Harga Dan Kualitas Produk Terhadap Kepuasan Pelanggan Pada CV. Nelayan Percut Makmur Medan. *Jurnal Ekonomi Bisnis Digital*. <https://api.semanticscholar.org/CorpusID:258826478>
- Zheng-kui, L. I. N., & De-Ii, Y. (2005). Software Development Model Research: Survey Problem and Challenge [J]. *Application Research of Computers*, 3, 6–9.