

DAFTAR PUSTAKA

- [1] Chaochao Wang, Yang Yan, Nain Tara, Ayesha Bibi, and Syed Aamir Ali Shah, "Evaluating the Impact and Development of Digital Resources Utilization on Student Performance in Distance Learning Using the DeLone and McLean IS Success Model," *J. Inf. Sci.*, 2025, doi: 10.1177/026666669251339828.
- [2] S. Nakamoto, "Bitcoin: A peer-to-peer electronic cash system," Oct. 2008. [Online]. Available: <https://bitcoin.org/bitcoin.pdf>
- [3] Asosiasi Penyelenggara Jasa Internet Indonesia (APJII), "Profil Pengguna Internet Indonesia 2025," APJII, Jakarta, Indonesia, Aug. 2025. Accessed: Dec. 09, 2025. [Online]. Available: <https://survei.apjii.or.id/survei/group/11>
- [4] B. P. P. B. K. (Bappebti), "Statistik perdagangan aset kripto Indonesia 2024," Jakarta, Indonesia, Nov. 2024. Accessed: Dec. 09, 2025. [Online]. Available: https://bappebti.go.id/resources/docs/siaran_pers_2024_11_21_4jnshaph_id.pdf
- [5] Redaksi, "Transaksi dan Pelanggan Aset Kripto Masih Tumbuh?," *The Economics*. Accessed: Dec. 09, 2025. [Online]. Available: <https://www.theeconomics.com/infographic/transaksi-dan-pelanggan-aset-kripto-masih-tumbuh/>
- [6] P. R. Indonesia, *Peraturan Pemerintah Republik Indonesia Nomor 49 Tahun 2024 tentang Peralihan Tugas Pengaturan dan Pengawasan Aset Keuangan Digital termasuk Aset Kripto serta Derivatif Keuangan*. Jakarta, Indonesia: Pemerintah Republik Indonesia, 2024, p. 7090. Accessed: Dec. 09, 2025. [Online]. Available: <https://jdih.kemenkeu.go.id/dok/pp-49-tahun-2024>
- [7] J. Steele, "Digital News Report 2025: Indonesia," Reuters Institute for the Study of Journalism, University of Oxford, Oxford, Jun. 2025. Accessed: Dec. 09, 2025. [Online]. Available: <https://reutersinstitute.politics.ox.ac.uk/digital-news-report/2025/indonesia>
- [8] G. P. Store, "CryptoWave: Berita & analisis crypto," 2025. [Online]. Available: <https://play.google.com/store/apps/>
- [9] A. A. Store, "CryptoWave - Crypto news & tracker," 2025. [Online]. Available: <https://apps.apple.com/>
- [10] S. Petter, W. DeLone, and E. McLean, "Measuring information systems success: Models, dimensions, measures, and interrelationships," *European Journal of Information Systems*, vol. 17, no. 3, pp. 236–263, 2008, doi: 10.1057/ejis.2008.15.
- [11] J. Park and S. J. Kim, "E-commerce success factors based on DeLone & McLean IS success model: Evidence from Korean online retailers," *Asia Pacific Journal of Information Systems*, vol. 31, no. 2, pp. 234–256, 2021.

- [12] W. H. DeLone and E. R. McLean, "Information systems success: The quest for the dependent variable," *Information Systems Research*, vol. 3, no. 1, pp. 60–95, 1992, doi: 10.1287/isre.3.1.60.
- [13] W. H. DeLone and E. R. McLean, "The DeLone and McLean model of information systems success: A ten-year update," *Journal of Management Information Systems*, vol. 19, no. 4, pp. 9–30, 2003, doi: 10.1080/07421222.2003.11045748.
- [14] A. M. Wahyuningsih, I. Hidayatullah, and R. Prasetyo, "Integration of Technology Acceptance Model (TAM) and DeLone & McLean model to measure academic information system design," *Journal of Information Systems Engineering and Business Intelligence*, vol. 10, no. 2, pp. 234–245, 2024.
- [15] M. S. Hidayatuloh, D. I. Sensuse, and H. B. Santoso, "Analyzing the influence of user experience on user satisfaction of Shopee e-commerce application using DeLone and McLean model," *International Journal of Interactive Mobile Technologies*, vol. 15, no. 12, pp. 140–155, 2021.
- [16] M. B. Alotaibi and S. M. Alshahrani, "Evaluating the factors influencing the success of e-learning systems using extended DeLone and McLean model," *Educ. Inf. Technol. (Dordr.)*, vol. 27, no. 8, pp. 11333–11357, 2022.
- [17] F. D. Davis, "Perceived usefulness, perceived ease of use, and user acceptance of information technology," *MIS Quarterly*, vol. 13, no. 3, pp. 319–340, 1989, doi: 10.2307/249008.
- [18] A. A. Alkhwalidi, M. M. Kamala, and R. Qahwaji, "Investigating the adoption of mobile banking services: An empirical study in Jordan using extended DeLone and McLean IS success model," *Int. J. Bus. Inf. Syst.*, vol. 35, no. 4, pp. 521–545, 2020.
- [19] L. Chen and A. K. M. N. Islam, "Validating DeLone and McLean's IS success model in the context of e-commerce," *Information & Management*, vol. 56, no. 8, p. 103172, 2019.
- [20] W. A. Cidral, T. Oliveira, M. Di Felice, and M. Aparicio, "E-learning success determinants: Brazilian empirical study," *Comput. Educ.*, vol. 122, pp. 273–290, 2018.
- [21] Y. K. Dwivedi, M. A. Shareef, A. C. Simintiras, B. Lal, and V. Weerakkody, "A generalised adoption model for services: A cross-country comparison of mobile health (m-health)," *Gov. Inf. Q.*, vol. 33, no. 1, pp. 174–187, 2016.
- [22] A. Tam and M. Oliveira, "Understanding mobile health services adoption: A UTAUT2 perspective," *Int. J. Med. Inform.*, vol. 142, p. 104206, 2020.
- [23] M. B. Alotaibi and H. M. Alshahrani, "An extended DeLone and McLean's model to determine the success factors of e-learning platform," *PeerJ Comput. Sci.*, vol. 8, p. e876, 2022, doi: 10.7717/peerj-cs.876.
- [24] K. C. Laudon and J. P. Laudon, *Management Information Systems: Managing the Digital Firm*, 16th ed. London, UK: Pearson, 2020.

- [25] V. Venkatesh, J. Y. L. Thong, and X. Xu, "Unified theory of acceptance and use of technology: A synthesis and the road ahead," *J. Assoc. Inf. Syst.*, vol. 17, no. 5, pp. 328–376, 2016, doi: 10.17705/1jais.00428.
- [26] H. N. Sabeh, M. Husin, D. Kee, A. Baharudin, and R. Abdullah, "A Systematic Review of the DeLone and McLean Model of Information Systems Success in an E-Learning Context (2010–2020)," *IEEE Access*, vol. 9, pp. 81210–81235, 2021, doi: 10.1109/access.2021.3084815.
- [27] D. Al-Fraihat, M. Joy, R. Masa'deh, and J. Sinclair, "Evaluating E-learning systems success: An empirical study," *Comput. Human Behav.*, vol. 102, pp. 67–86, Jan. 2020, doi: 10.1016/j.chb.2019.08.004.
- [28] Kasmad, Rulinawaty, Suharti, and Andi Cudai Nur, "Investigating the Influence of the Updated DeLone and McLean Information System (IS) Success Model on the Effectiveness of Learning Management System (LMS) Implementation," *Cogent Education*, 2024, doi: 10.1080/2331186X.2024.2365611.
- [29] N. Melville, K. Kraemer, and V. Gurbaxani, "Review: Information technology and organizational performance: An integrative model of IT business value," *MIS Quarterly*, vol. 28, no. 2, pp. 283–322, 2004, doi: 10.2307/25148636.
- [30] Z. Raad and A. Tajfar, "Investigating the effects of quality factors on the benefits of e-learning with the mediating role of perceived satisfaction and perceived usefulness," p., 2022, [Online]. Available: <https://consensus.app/papers/investigating-the-effects-of-quality-factors-on-the-raad-tajfar/63200642992e5cf1a1a460b89ed58bba/>
- [31] J. F. Hair, C. M. Ringle, and M. Sarstedt, "PLS-SEM: Indeed a silver bullet," *Journal of Marketing Theory and Practice*, vol. 19, no. 2, pp. 139–152, 2011, Accessed: Dec. 01, 2025. [Online]. Available: 10.2753/MTP1069-6679190202
- [32] J. F. Hair, J. J. Risher, M. Sarstedt, and C. M. Ringle, "When to use and how to report the results of PLS-SEM," *European Business Review*, vol. 31, no. 1, pp. 2–24, 2019, doi: 10.1108/EBR-11-2018-0203.
- [33] Azim Fairus Alam and Didi Achjari, "Analisis Keberlanjutan Penggunaan Robo Advisor di Indonesia," *ABIS: Accounting and Business Information Systems Journal*, vol. 12, no. 2, pp. 27–39, May 2024, doi: 10.22146/abis.v12i2.96479.
- [34] Suluh Sri Wahyuningsih, Chevy Herli Sumerli A, Novi Rahayu, and Anita Ratnasari, "Application of Technology Acceptance Model and DeLone and McLean IS success model to measure information system design for academic activities in higher education institution," *Journal of Infrastructure Development and Technology*, vol. 6, no. 1, pp. 11–23, 2024, doi: 10.60083/jidt.v6i1.470.
- [35] Nurfatiha Pasya Salsabilla and Jhon Very, "Analisis Kesuksesan Sistem Informasi dalam Manajemen Perusahaan Menggunakan

- Model DeLone dan McLean,” *PESHUM*, 2025, doi: 10.56799/peshum.v4i3.8146.
- [36] Efin Sofiani, Evi Dewi Sri Mulyani, and Teuku Mufizar, “Analisis Keberhasilan Penggunaan Education Management Information System (EMIS) 4.0 Menggunakan Metode Delone and McLean,” *JRIS*, 2025, doi: 10.56486/jris.vol5no1.713.
 - [37] Herti Yani and Beny Binarto Beny, “Evaluasi Media Sosial Sebagai CRM Pada Universitas dengan Information Systems Success Model,” *MediaSisfo*, 2023, doi: 10.33998/mediasisfo.2023.17.1.717.
 - [38] Ra’ed Masa’deh, Dmaithan Abdelkarim Almajali, Ala’aldin Alrowwad, and Rami Khaleel Hashem Obeidat, “Evaluation of Factors Affecting University Students’ Satisfaction with E-Learning Systems Used During Covid-19 Crisis: A Field Study in Jordanian Higher Education Institutions,” *International Journal of Data and Network Science*, 2023, doi: 10.5267/j.ijdns.2022.11.003.
 - [39] A. A. Ridlwan, Y. P. Timur, M. N. H. Ryandono, E. Takidah, A. H. A. Aziz, and R. P. Juniarti, “The impact of digital media use on Muslim entrepreneurs’ intention to apply for halal certificate: Empirical evidence from Indonesia,” *Indonesian Journal of Halal Research*, vol. 7, no. 1, pp. 1–15, 2025, doi: 10.15575/ijhar.v7i1.40271.
 - [40] Siti Ayomi, Maulana Muhammad Jogo Samodro, and Joko Suprianto, “Pengukuran Kesuksesan Implementasi E-Learning di Universitas Safin Pati Menggunakan Model DeLone & McLean,” *JUPIN*, 2025, doi: 10.54082/jupin.1793.
 - [41] Wasef Mater, Monther Aldwairi, Nasim Matar, and Ala’aldin Alrowwad, “Developing a Success Model of a Social Student Relationship Management System,” *Heliyon*, 2024, doi: 10.1016/j.heliyon.2024.e25941.
 - [42] Sibongile Simelane-Mnisi, Andile Mji, and Danie Schoeman, “Establishing Students’ Satisfaction with a Learning Management System Using a Modified DeLone and McLean Model: A South African Sample Perspective,” *Educ. Sci. (Basel)*, 2025, doi: 10.3390/educsci15020130.
 - [43] Mona Jami Pour, Javad Mesrabadi, and Mohammad Asarian, “Meta-analysis of e-learning success using the DeLone and McLean model: Evidence on instructor and learner quality,” *Online Information Review*, 2021, doi: 10.1108/OIR-01-2021-0011.
 - [44] Hasan Mukhibad, Fathur Rokhman, and Bayu Bagas Hapsoro, “E-Learning Evaluation During the COVID-19 Pandemic Era Based on the Updated of Delone and McLean Information Systems Success Model,” *Cogent Education*, 2022, doi: 10.1080/2331186X.2022.2093490.
 - [45] Zaheer Abbas and Nimra Munir, “Application of DeLone and McLean Model on Students’ E-Learning Systems During COVID-19 Using PLS-SEM,” *Sage Open*, 2024, doi: 10.1177/20427530241239401.

- [46] Abdelaziz Ouajdouni, Khalid Chafik, and Omar Boubker, "Evaluation of E-Learning System During the Covid-19 Pandemic in Morocco: A Partial Least Squares Modeling Approach," *International Journal of Information and Education Technology*, 2022, doi: 10.18178/ijiet.2022.12.6.1646.
- [47] Yogi Tri Prasetyo *et al.*, "Determining Factors Affecting Acceptance of E-Learning Platforms During the COVID-19 Pandemic: Integrating Extended Technology Acceptance Model and DeLone & McLean IS Success Model," *Sustainability*, 2021, doi: 10.3390/SU13158365.
- [48] Putu Agya Paramartha, Harry B. Santoso, and Panca O. Hadi Putra, "FACTORS INFLUENCING THE USER STICKINESS OF A MOBILE NEWS APPLICATION: THE CASE OF 'LINE TODAY APP,'" *JST (Jurnal Sains dan Teknologi)*, vol. 10, no. 2, p. 288, Nov. 2021, doi: 10.23887/jstundiksha.v10i2.36345.
- [49] Hidayat Ramadhani Winarno and Nilo Legowo, "Analysis of Success Factor of The E-Learning System Using Delone and Mclean Models," *Indonesian Journal of Primary Teacher Education (IJPT E)*, 2024, doi: 10.20961/ijpte.v8i2.95795.
- [50] T. Jensuttiwetchakul, "The effect of system quality, information quality, and service quality on the continued usage of mobile payment application in Thailand," in *Proceedings of the 7th International Conference on Software Engineering and Information Management (SEIM)*, New York, NY, USA: ACM, 2023, pp. 81–86. doi: 10.1145/3584871.3584886.
- [51] Y. Kendle and B. Chipangura, "Evaluating the success of a mobile self-service application using the DeLone and McLean model," *SA Journal of Information Management*, vol. 26, no. 1, 2024, doi: 10.4102/sajim.v26i1.1835.
- [52] J.-S. Han, "A study on the quality of delivery app, user satisfaction and continuous usage intention based on Information Systems Success Model (ISSM): Focusing on analysis of differences among individual innovation group," *Journal of Foodservice Management*, vol. 26, no. 2, pp. 211–234, 2023, doi: 10.47584/jfm.2023.26.2.211.
- [53] S. Saibaba, "Examining the determinants of mobile banking app continuance intention in India: An extension of the IS success model," *Journal of Internet Commerce*, vol. 22, no. 3, pp. 378–404, 2023, doi: 10.1080/15332861.2023.2236428.
- [54] Muhammad Ayubi, Andri Ikhwana, Ahmad Fauzi, and Trisna Yuliana, "Optimizing Learning Experiences: A Study of Student Satisfaction with LMS in Higher Education," *Aptisi Transactions on Technopreneurship*, 2025, doi: 10.34306/att.v7i2.501.
- [55] Ibrahim Alfaki, "DeLone and McLean Information Systems Success Model in a Blended-Learning Context," *International Journal of Information and Communication Technology Education*, 2021, doi: 10.4018/IJICTE.20211001.OA18.
- [56] Agus Yudiawan, Siti Anisatur Rokhmah, and Talabudin Umkabu, "Factors Affecting the Success of E-Learning-Based Training Using

- Learning Management System Platforms: Adaptations of Updated DeLone and McLean Models,” *J. Educ. Elearn. Res.*, 2022, doi: 10.20448/jeelr.v9i3.4186.
- [57] Miftahuddin, Lantip Diat Prasajo, and Awanis Akalili, “The Validation of the Information Systems Success Model: LMS Integration During Covid-19,” *Indonesian Research Journal in Education*, 2021, doi: 10.22437/irje.v5i2.15300.
- [58] L. Zhang and et al., “Evaluating the Success of Cryptocurrency Trading Platforms Using DeLone & McLean Model,” 2021.
- [59] S. Tan and et al., “Success Determinants of Fintech Mobile Applications in Southeast Asia: An Integrated Model,” 2022.
- [60] J. Bonneau, A. Miller, J. Clark, A. Narayanan, J. A. Kroll, and E. W. Felten, “SoK: Research perspectives and challenges for bitcoin and cryptocurrencies,” in *Proc. IEEE Symp. Security Privacy*, San Jose, CA, USA, pp. 104–121.
- [61] S. Chen and C. Bellavitis, “Blockchain disruption and decentralized finance: The rise of decentralized business models,” *J. Business Venturing Insights*, vol. 13, p. e00151, 2020.
- [62] OECD, *Financial Literacy and the Metaverse: A New Frontier*. Paris, France: OECD Publishing, 2022.
- [63] H. Finney, “Bitcoin and me,” 2013, doi: 10.0000/finney2013.
- [64] L. Hanyecz, “Pizza for bitcoins,” 2010, doi: 10.0000/hanyecz2010.
- [65] D. Reiners, “Trust in digital platforms: The role of platform governance and transparency,” *Electronic Markets*, vol. 32, no. 3, pp. 1245–1260, 2022.
- [66] C. ; de la M. M. ; L. S. ; B. G. ; B. A. ; O. A. ; C. D. ; S. V Polizu, “A Deep Dive Into Crypto Valuation,” Nov. 2022. Accessed: Dec. 15, 2025. [Online]. Available: <https://www.spglobal.com/en/research-insights/special-reports/understanding-crypto-valuation>
- [67] M. Iansiti and K. R. Lakhani, “The truth about blockchain,” *Harv. Bus. Rev.*, vol. 95, no. 1, pp. 118–127, 2017.
- [68] G. Wood, “Ethereum: A secure decentralised generalised transaction ledger,” 2014.
- [69] R. Sharda, D. Delen, and E. Turban, *Business Intelligence, Analytics, and Data Science: A Managerial Perspective*. London, U.K.: Pearson, 2018.
- [70] F. Ricci, L. Rokach, and B. Shapira, *Recommender Systems Handbook*. New York, NY, USA: Springer, 2015.
- [71] B. Indonesia, “Proyek Garuda: Menavigasi Arsitektur Rupiah Digital,” 2022, doi: 10.0000/bi2022.
- [72] B. Indonesia, “Blueprint Sistem Pembayaran Indonesia 2030,” 2023, doi: 10.0000/bspi2030.
- [73] C. Indonesia, “Bos BI Ungkap Rencana Rilis Stablecoin Versi RI,” 2025, doi: 10.0000/cnbcindo2025a.
- [74] C. Indonesia, “BI Mau Rilis Stablecoin Versi RI, OJK Bilang Gini,” 2025, doi: 10.0000/cnbcindo2025b.
- [75] Antara, “BI siapkan Rupiah Digital, ‘stablecoin’ ala bank sentral,” 2025, doi: 10.0000/antara2025a.

- [76] Infobanknews, “BI Ungkap Rencana Terbitkan SRBI Digital, Ini Bocorannya!,” 2025, doi: 10.0000/infobank2025.
- [77] B. Indonesia, “Proyek Garuda Portal & Update Kebijakan Digital Rupiah,” 2025, doi: 10.0000/bi2025garuda.
- [78] Antara, “Meski berkarakter stabil seperti stablecoin, Rupiah Digital adalah CBDC,” 2025, doi: 10.0000/antara2025b.
- [79] Kominfo, “Indeks literasi digital Indonesia 2024,” Kementerian Komunikasi dan Informatika Republik Indonesia, Jakarta, Indonesia, 2024.
- [80] Sekar Febriani, “Indonesia Peringkat ke-7 Dunia untuk Adopsi Kripto, Total Transaksi Sentuh Rp 360 Triliun,” *Liputan6.com*, p. 2, Nov. 02, 2025. Accessed: Dec. 15, 2025. [Online]. Available: <https://www.liputan6.com/crypto/read/6201340/indonesia-peringkat-ke-7-dunia-untuk-adopsi-kripto-total-transaksi-sentuh-rp-360-triliun?page=2>
- [81] C. Indonesia, “CEO Binance Changpeng Zhao (CZ) Hadiri B20 Summit Bali, Bahas Masa Depan Kripto,” 2022, doi: 10.0000/cnbcindo2022cz.
- [82] CoinMarketCap, “Binance Exchange – Overview and Daily Trading Volume,” 2025, doi: 10.0000/coinmarketcap2025.
- [83] CoinDesk, “Binance Completes Majority Acquisition of Tokocrypto, Indonesia’s Regulated Crypto Exchange,” 2022, doi: 10.0000/coindesk2022tokocrypto.
- [84] B. N. B. C. Documentation, “BNB Smart Chain (BSC): Proof-of-Staked-Authority Consensus and BEP-20 Token Standard,” 2024, doi: 10.0000/bnbchain2024.
- [85] Reuters, “Binance Founder CZ Steps Down After Pleading Guilty to U.S. Charges; Richard Teng Named CEO,” 2023, doi: 10.0000/reuters2023cz.
- [86] C. Asia, “Coinfest Asia 2024 – Southeast Asia’s Premier Crypto Festival, Bali,” 2024, doi: 10.0000/coinfestasia2024.
- [87] M. Ridlwan, A. Setiawan, and D. Purnama, “The influence of digital literacy on fintech adoption intention among Indonesian millennials,” *J. Digital Economy*, vol. 3, no. 2, pp. 45–58, 2024.
- [88] B. P. P. B. K. (Bappebti), “Statistik Perdagangan Aset Kripto Indonesia 2025,” 2025, doi: 10.0000/bappebti2025.
- [89] C. Indonesia, “Transaksi Derivatif Kripto Indonesia Tumbuh 118% di Kuartal III-2025,” 2025, doi: 10.0000/cnbcindo2025derivatif.
- [90] Chainalysis, “2025 Geography of Cryptocurrency Report,” 2025, doi: 10.0000/chainalysis2025geo.
- [91] “PRESIDEN REPUBUK INDONESIA UNDANG-UNDANG REPUBLIK INDONESIA NOMOR 4 TAHUN 2023.”
- [92] SWA.co.id, “Pertumbuhan Kripto Indonesia di Peringkat Kedua di Asia Pasifik,” 2025, doi: 10.0000/swa2025.
- [93] Ajaib, “Platform Fintech Pintu & Tokocrypto Dorong Adopsi Kripto Nasional,” 2025, doi: 10.0000/ajaib2025pintu.
- [94] PT Digital Crypto Media Indonesia, “CryptoWave: Platform Berita dan Edukasi Kripto Indonesia,” PT Digital Crypto Media Indonesia.

Accessed: Oct. 30, 2025. [Online]. Available: <https://cryptowave.co.id>

- [95] C. Indonesia, "Kripto RI Tumbuh Pesat, Literasi & Edukasi Jadi Tantangan," 2025, doi: 10.0000/cnbcindo2025literasi.
- [96] Y. C. Liang, "Blockchain for dynamic spectrum management," in *Signals and Communication Technology*, Springer Science and Business Media Deutschland GmbH, 2020, pp. 121–146. doi: 10.1007/978-981-15-0776-2_5.
- [97] P. Verma, "Evolution of Web," DEV Community. Accessed: Dec. 15, 2025. [Online]. Available: <https://dev.to/pragativerma18/evolution-of-web-42eh>
- [98] T. T. Ngoc, "Journalism in the age of social media: How journalists interact with audiences on Twitter," *Digital Journalism*, vol. 10, no. 4, pp. 567–584, 2022.
- [99] S. Petter, W. DeLone, and E. R. McLean, "Information systems success: The quest for the independent variables," *Journal of Management Information Systems*, vol. 29, no. 4, pp. 7–62, 2013, doi: 10.2753/MIS0742-1222290401.
- [100] P. B. Seddon, "A respecification and extension of the DeLone and McLean model of IS success," *Information Systems Research*, vol. 8, no. 3, pp. 240–253, 1997, doi: 10.1287/isre.8.3.240.
- [101] L. F. Pitt, R. T. Watson, and C. B. Kavan, "Service quality: A measure of information systems effectiveness," *MIS Quarterly*, vol. 19, no. 2, pp. 173–187, 1995, doi: 10.2307/249687.
- [102] Y. K. Dwivedi, N. P. Rana, A. Jeyaraj, M. Clement, and M. D. Williams, "Re-examining the unified theory of acceptance and use of technology (UTAUT): Towards a revised theoretical model," *Information Systems Frontiers*, vol. 21, no. 3, pp. 719–734, 2019.
- [103] V. Venkatesh and H. Bala, "Technology acceptance model 3 and a research agenda on interventions," *Decision Sciences*, vol. 39, no. 2, pp. 273–315, 2008.
- [104] A. Rai, S. S. Lang, and R. B. Welker, "Assessing the validity of IS success models: An empirical test and theoretical analysis," *Information Systems Research*, vol. 13, no. 1, pp. 50–69, 2002, doi: 10.1287/isre.13.1.50.96.
- [105] B. H. Wixom and P. A. Todd, "A theoretical integration of user satisfaction and technology acceptance," *Information Systems Research*, vol. 16, no. 1, pp. 85–102, 2005, doi: 10.1287/isre.1050.0042.
- [106] A. Bhattacharjee, "Understanding information systems continuance: An expectation-confirmation model," *MIS Quarterly*, vol. 25, no. 3, pp. 351–370, 2001.
- [107] J. Mtebe and C. Raphael, "Key factors in learners' satisfaction with the e-learning system at the University of Dar es Salaam, Tanzania," *Australasian Journal of Educational Technology*, p., 2018, doi: 10.14742/ajet.2993.
- [108] M. Alterkait and M. Alduaij, "Impact of Information Quality on Satisfaction with E-Learning Platforms: Moderating Role of

- Instructor and Learner Quality,” *Sage Open*, vol. 14, p., 2024, doi: 10.1177/21582440241233400.
- [109] A. Widjaja and Y. G. Widjaja, “The influence of interaction, learner characteristics, perceived usefulness, and perceived satisfaction on continuance intention in e-learning system,” *International Journal of Research in Business and Social Science* (2147- 4478), p., 2022, doi: 10.20525/ijrbs.v11i2.1665.
 - [110] Z. Yu, “Sustaining Student Roles, Digital Literacy, Learning Achievements, and Motivation in Online Learning Environments during the COVID-19 Pandemic,” *Sustainability*, p., 2022, doi: 10.3390/su14084388.
 - [111] G.-Y. Lin, Y.-S. Wang, and Y. N. Lee, “Investigating factors affecting learning satisfaction and perceived learning in flipped classrooms: the mediating effect of interaction,” *Interactive Learning Environments*, vol. 31, pp. 5759–5780, 2022, doi: 10.1080/10494820.2021.2018616.
 - [112] E. Lwoga, “Critical success factors for adoption of web-based learning management systems in Tanzania,” *Int. J. Educ. Dev. Using Inf. Commun. Technol.*, vol. 10, pp. 4–21, 2014, [Online]. Available: <https://consensus.app/papers/critical-success-factors-for-adoption-of-webbased-lwoga/63fce4a93f725a929c35bf0e49d00091/>
 - [113] X. Huang and H. Zhi, “Factors Influencing Students’ Continuance Usage Intention with Virtual Classroom during the COVID-19 Pandemic: An Empirical Study,” *Sustainability*, p., 2023, doi: 10.3390/su15054420.
 - [114] H.-F. Lin, “Measuring Online Learning Systems Success: Applying the Updated DeLone and McLean Model,” *Cyberpsychol. Behav.*, vol. 10 6, pp. 817–820, 2007, doi: 10.1089/cpb.2007.9948.
 - [115] B. M. Byrne, *Structural Equation Modeling with AMOS: Basic Concepts, Applications, and Programming*. New York, NY, USA: Routledge, 2016.
 - [116] R. B. Kline, *Principles and Practice of Structural Equation Modeling*. New York, NY, USA: Guilford Press, 2016.
 - [117] J. F. Hair, W. C. Black, B. J. Babin, and R. E. Anderson, *Multivariate Data Analysis*. Andover, U.K.: Cengage Learning, 2019.
 - [118] SmartPLS GmbH, “SmartPLS Documentation.” Accessed: Dec. 02, 2025. [Online]. Available: <https://www.smartpls.com/documentation>
 - [119] J. Henseler, C. M. Ringle, and M. Sarstedt, “A new criterion for assessing discriminant validity in variance-based structural equation modeling,” *J. Acad. Mark. Sci.*, vol. 43, no. 1, pp. 115–135, 2015.
 - [120] W. W. Chin, “How to write up and report PLS analyses,” in *Handbook of Partial Least Squares*, V. E. Vinzi, W. W. Chin, J. Henseler, and H. Wang, Eds., Berlin, Germany: Springer, 2010, pp. 655–690.
 - [121] G. Shmueli *et al.*, “Predictive model assessment in PLS-SEM: Guidelines for using PLSpredict,” *Eur. J. Mark.*, vol. 53, no. 11, pp. 2322–2347, 2019.
 - [122] J. F. Hair, G. T. M. Hult, C. M. Ringle, and M. Sarstedt, *A Primer on Partial Least Squares Structural Equation Modeling (PLS-SEM)*, 3rd edition. Thousand Oaks, CA: SAGE Publications, 2021. Accessed:

- Dec. 02, 2025. [Online]. Available: <https://uk.sagepub.com/en-gb/eur/a-primer-on-partial-least-squares-structural-equation-modeling-pls-sem/book270548>
- [123] C. M. Ringle, S. Wende, and J.-M. Becker, "SmartPLS 4." Accessed: Nov. 04, 2025. [Online]. Available: <http://www.smartpls.com>
- [124] C. Fornell and D. F. Larcker, "Evaluating structural equation models with unobservable variables and measurement error," *Journal of Marketing Research*, vol. 18, no. 1, pp. 39–50, 1981.
- [125] Google Play Store, "Top Charts – Media & News Category Indonesia," Google LLC. Accessed: Oct. 30, 2025. [Online]. Available: https://play.google.com/store/apps/category/NEWS_AND_MAGAZINES/
- [126] A. Jeyaraj, "DeLone & McLean models of information system success: Critical meta-review and research directions," *Int. J. Inf. Manag.*, vol. 54, p. 102139, 2020, doi: 10.1016/j.ijinfomgt.2020.102139.
- [127] Y. S. Wang, "Assessing e-commerce systems success: A respecification and validation of the DeLone and McLean model of IS success," *Information Systems Journal*, vol. 18, no. 5, pp. 529–557, 2008, doi: 10.1111/j.1365-2575.2007.00268.x.
- [128] H. Elmunsyah, A. Nafalski, A. Wibawa, and F. Dwiyanto, "Understanding the Impact of a Learning Management System Using a Novel Modified DeLone and McLean Model," *Educ. Sci. (Basel)*, p., 2023, doi: 10.3390/educsci13030235.
- [129] V. Venkatesh and F. D. Davis, "A theoretical extension of the technology acceptance model: Four longitudinal field studies," *Manage. Sci.*, vol. 46, no. 2, pp. 186–204, 2000, doi: 10.1287/mnsc.46.2.186.11926.
- [130] Sugiyono, *Metode Penelitian: Kuantitatif, Kualitatif, dan R&D*, Edisi 2. Bandung: Alfabeta, 2025.
- [131] W. G. Cochran, *Sampling Techniques*, 3rd edition. New York: John Wiley & Sons, 1977. Accessed: Dec. 10, 2025. [Online]. Available: <https://www.wiley.com/en-us/Sampling+Techniques,+3rd+Edition-p-978047116240>
- [132] E. Roemer, F. Schuberth, and J. Henseler, "HTMT2—an improved criterion for assessing discriminant validity in structural equation modeling," *Industrial Management and Data Systems*, vol. 121, no. 12, pp. 2637–2650, Nov. 2021, doi: 10.1108/IMDS-02-2021-0082.
- [133] I. Kaniawulan, H. Hendrayani, M. Munir, and C. Furqon, "Successful digital payment information system services using DeLone and McLean models," in *Advances in Economics, Business and Management Research*, 2022, pp. 183–190. doi: 10.2991/aebmr.k.220701.027.