DAFTAR PUSTAKA

- Agarwal, R., & Karahanna, E. (2000). Time files when you're fun: Cognitive absorption and beliefs about information technology sage. *MIS Quarterly*, 24(4), 665–694.
- Agarwal, R., & Prasad, J. (1998). A conceptual and operational definition of personal innovativeness in the domain of information technology. *Information Systems Research*, 9(2), 204–215.
- Ahorsu, D. K., Lin, C. Y., Imani, V., Saffari, M., Griffiths, M. D., & Pakpour, A. H. (2020). The fear of covid-19 scale: Development and initial validation. *International Journal of Mental Health and Addiction*, 18, 1–9.
- Ain, N. U., Kaur, K., & Waheed, M. (2015). The influence of learning value on learning management system use: An extension of UTAUT2. *Information Development*, 32(5), 1–16.
- Ainin, S., Naqshbandi, M. M., Moghavvemi, S., & Jaafar, N. I. (2015). Facebook usage, socialization and academic performance. In *Computers and Education* (Vol. 83). Elsevier Ltd.
- Al-Busaidi, K. A., & Al-Shihi, H. (2010). A instructors' acceptance of learning management systems: A theoretical framework. *Communication of the IBIMA*, 3, 1–10.
- Al-Fraihat, D., Joy, M., Masa'deh, R., & Sinclair, J. (2020). Evaluating e-learning systems success: An empirical study. *Computers in Human Behavior*, 102, 67–86.
- Al-Gahtani, S. S. (2016). Empirical investigation of e-learning acceptance and assimilation: A structural equation model. *Applied Computing and Informatics*, 12(1), 27–50.
- Al-Rahmi, A. M., Shamsuddin, A., & Alismaiel, O. A. (2020). Unified theory of acceptance and use of technology (UTAUT) theory: The factors affecting students' academic performance in higher education. *Psychology and Education*, 57(9), 2839–2848.
- Al-Rahmi, W. M., Alias, N., Othman, M. S., Marin, V. I., & Tur, G. (2018). A model of factors affecting learning performance through the use of social media in Malaysian higher education. *Computers and Education*, 121(February), 59–72.
- Al-Rahmi, W. M., Othman, M. S., & Yusuf, L. M. (2015). Exploring the factors that affect student satisfaction through using e-learning in Malaysian higher education institutions. *Mediterranean Journal of Social Sciences*, 6(4S1), 299–310.
- Alasmari, T., & Zhang, K. (2019). Mobile learning technology acceptance in Saudi Arabian higher education: An extended framework and a mixed-method study.

- *Education and Information Technologies*, 24(3), 1–18.
- Alhabeeb, A., & Rowley, J. (2018). E-learning critical success factors: Comparing perspectives from academic staff and students. *Computers and Education*, 127, 1–12.
- Almaiah, M. A., Alamri, M. M., & Al-Rahmi, W. (2019). Applying the UTAUT model to explain the students' acceptance of mobile learning system in higher education. *IEEE Access*, 7, 174673–174686.
- Andoh, C. B., & Baah, C. (2020). Pre-service teachers' intention to use learning management system: An integration of UTAUT and TAM. *Interactive Technology and Smart Education*, 17(4), 455–474.
- Baran, B. (2010). Facebook as a formal instructional environment. *British Journal of Educational Technology*, 41(6), 146–149.
- Cao, Y., & Hong, P. (2011). Antecedents and consequences of social media utilization in college teaching: A proposed model with mixed-methods investigation. *On the Horizon*, 19(4), 297–306.
- Chao, C. M. (2019). Factors determining the behavioral intention to use mobile learning: An application and extension of the UTAUT model. Frontiers in Psychology, 10, 1–14.
- Cheung, R., & Vogel, D. (2013). Predicting user acceptance of collaborative technologies: An extension of the technology acceptance model for e-learning. *Computers and Education*, 63, 160–175.
- Chin, W. W., & Newsted, P. R. (1999). Structural equation modeling analysis with small samples using partial least square. In R. H. Hoyle (Ed.), *Statististical strategies for small sample research*. Sage Publications.
- Coatesh Hamish, J. R. and B. G. (2005). A critical examination of the effects of learning management systems on university teaching and learning. *Tertiary Education and Management*, 11, 19–36.
- Cohen, J. (1992). A power primer. Psychological Bulletin, 112(1), 155–159.
- Decman, M. (2015). Modeling the acceptance of e-learning in mandatory environments of higher education: The influence of previous education and gender. *Computers in Human Behavior*, 49, 272–281.
- Dwivedi, Y. K., Rana, N. P., Tamilmani, K., & Raman, R. (2020). A meta-analysis based modified unified theory of acceptance and use of technology (meta-UTAUT): A review of emerging literature. *Current Opinion in Psychology*, *36*, 13–18.
- Eid, M. I. M., & Al-Jabri, I. M. (2016). Social networking, knowledge sharing, and student learning: The case of university students. *Computers and Education*, 99, 14–27.
- El-Masri, M., & Tarhini, A. (2017). Factors affecting the adoption of e-learning

- systems in Qatar and USA: Extending the unified theory of acceptance and use of technology 2 (UTAUT2). *Educational Technology Research and Development*, 65, 743–763.
- Farooq, M. S., Salam, M., Jaafar, N., Fayolle, A., Ayupp, K., Radovic-Markovic, M., & Sajid, A. (2017). Acceptance and use of lecture capture system (lcs) in executive business studies: Extending UTAUT2. *Interactive Technology and Smart Education*, *14*(4), 329–348.
- Fornell, C., & Larcker, D. F. (1981). Evaluating structural equation models with unobservable variables and measurement error. *Journal of Marketing Research*, 18, 39–50.
- Geisser, S. (1975). The predictive sample reuse method with applications. *Journal of the American Statistical Association*, 70(350), 320–328.
- Glassner, A., & Back, S. (2020). Exploring heutagogy in higher education: Academia meets the zeitgeist. Springer.
- Gunasinghe, A., Hamid, J. A., Khatibi, A., & Azam, S. M. F. (2019). The adequacy of UTAUT-3 in interpreting academician's adoption to e-learning in higher education environments. *Interactive Technology and Smart Education*, 17(1), 86–106.
- Gunasinghe, A., Hamid, J. A., Khatibi, A., & Azam, S. M. F. (2020). The viability of UTAUT-3 in understanding the lecturer's acceptance and use of virtual learning environments. *International Journal of Technology Enhanced Learning*, 12(4), 458–481.
- Gupta, B., Dasgupta, S., & Gupta, A. (2008). Adoption of ICT in a government organization in a developing country: An empirical study. *Journal of Strategic Information Systems*, 17(2), 140–154.
- Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. (2019). *Multivariate data analysis*. Cengage.
- Handoko, B. L. (2019). Application of UTAUT theory in higher education online learning. *ICEME*, 259–264.
- Hastini, L. Y., Fahmi, R., & Lukito, H. (2020). Apakah pembelajaran menggunakan teknologi dapat meningkatkan literasi manusia pada generasi Z di Indonesia? *Jurnal Manajemen Informatika (JAMIKA)*, 10(1), 12–28.
- Henseler, J., Hubona, G., & Ray, P. A. (2016). Using PLS path modeling in new technology research: Updated guidelines. *Industrial Management and Data Systems*, 116(1), 2–20.
- Hosen, M., Ogbeibu, S., Giridharan, B., Cham, T. H., Lim, W. M., & Paul, J. (2021). Individual motivation and social media influence on student knowledge sharing and learning performance: Evidence from an emerging economy. *Computers and Education*, 172, 2–18.
- Hurt, H. T., Joseph, K., & Cook, C. D. (1977). Scales for the measurement of

- innovativeness. *Human Communication Research*, 4(1), 58–65.
- Islam, A. K. M. N. (2016). E-learning system use and its outcomes: Moderating role of perceived compatibility. *Telematics and Informatics*, 33(1), 48–55.
- Kementerian Pendidikan dan Kebudayaan. (2020). *Profil perguruan tinggi: Universitas*Andalas.
 https://forlap.kemdikbud.go.id/perguruantinggi/detail/MTgwNENDNjYtQ0IxO
 S00RTkzLThCM0YtMUFGNzFBRDQ2OUZG
- Krejcie, R. V, & Morgan, D. (1970). Determining sample size for research activities. *International Journal of Employment Studies*, *30*, 607–610.
- Kumar Basak, S., Wotto, M., & Bélanger, P. (2018). E-learning, m-learning and d-learning: Conceptual definition and comparative analysis. *E-Learning and Digital Media*, 15(4), 191–216.
- Li, L. Y., & Tsai, C. C. (2017). Accessing online learning material: Quantitative behavior patterns and their effects on motivation and learning performance. *Computers and Education*, 114, 286–297.
- Likert, R. (1932). A technique for the measurement of attitudes. *Archieves of Psychology*, 140, 5–55.
- Lin, W. S., & Wang, C. H. (2012). Antecedences to continued intentions of adopting e-learning system in blended learning instruction: A contingency framework based on models of information system success and task-technology fit. *Computers and Education*, 58(1), 88–99.
- Lu, J. (2014). Are personal innovativeness and social influence critical to continue with mobile commerce? *Internet Research*, 24(2), 134–159.
- Lwoga, E. T., & Komba, M. (2015). Antecedents of continued usage intentions of webbased learning management system in Tanzania. *CEUR Workshop Proceedings*, 57(7), 738–756.
- Maphosa, V., Dube, B., & Jita, T. (2020). A UTAUT evaluation of whatsapp as a tool for lecture delivery during the COVID-19 lockdown at a Zimbabwean University. *International Journal of Higher Education*, *9*(5), 84–93.
- Marlina, E., Tjahjadi, B., & Ningsih, S. (2021). Factors affecting student performance in e-learning: A case study of higher educational institutions in Indonesia. *Journal of Asian Finance, Economics and Business*, 8(4), 993–1001.
- Masalimova, A. R., Khvatova, M. A., Chikileva, L. S., Zvyagintseva, E. P., Stepanova, V. V., & Melnik, M. V. (2022). Distance learning in higher education during Covid-19. *Frontiers in Education*, 7, 1–6.
- Mazman Akar, S. G. (2019). Does it matter being innovative: Teachers' technology acceptance. *Education and Information Technologies*, 24(6), 3415–3432.
- Meyliana, Widjaja, H. A. E., Santoso, S. W., Surjandy, Fernando, E., & Condrobimo, A. R. (2020). Improving the quality of learning management system (lms) based

- on student perspectives using UTAUT2 and trust model. *International Conference on Informatics and Computational Sciences (ICICoS)*, 1–6.
- Ministry of Education, Culture, Research and Technology, I. (2022). *Higher education data of Indonesia*. https://pddikti.kemdikbud.go.id/
- Nair, P. K., Ali, F., & Leong, L. C. (2015). Factors affecting acceptance & use of ReWIND: Validating the extended unified theory of acceptance and use of technology. *Interactive Technology and Smart Education*, 12(3), 183–201.
- Naveh, G., Tubin, D., & Pliskin, N. (2010). Student LMS use and satisfaction in academic institutions: The organizational perspective. *Internet and Higher Education*, 13(3), 127–133.
- Oguguo, B. C. E., Nannim, F. A., Agah, J. J., Ugwuanyi, C. S., Ene, C. U., & Nzeadibe, A. C. (2021). Effect of learning management system on student's performance in educational measurement and evaluation. *Education and Information Technologies*, 26(2), 1471–1483.
- Oh, J. C., & Yoon, S. J. (2014). Predicting the use of online information services based on a modified UTAUT model. *Behaviour and Information Technology*, 33(7), 716–729.
- Onwuegbuzie, A., & Leech, N. (2005). On becoming a pragmatic researcher: The importance of combining quantitative and qualitative research methodologies. *International Journal of Social Research Methodology: Theory and Practice*, 8(5), 375–387.
- Rana, N. P., Dwivedi, Y. K., Williams, M. D., & Weerakkody, V. (2016). Adoption of online public grievance redressal system in India: Toward developing a unified view. *Computers in Human Behavior*, 59, 265–282.
- Raza, S. A., Qazi, W., Khan, K. A., & Salam, J. (2021). Social isolation and acceptance of the Learning Management System (LMS) in the time of COVID-19 pandemic: An expansion of the UTAUT model. *Journal of Educational Computing Research*, 59(2), 183–208.
- Research, 59(2), 183–208.

 Reyes, E. G. D., Galura, J. C., & Pineda, J. L. S. (2022). C5-LMS design using Google Classroom: User acceptance based on extended Unified Theory of Acceptance and Use of Technology. *Interactive Learning Environments*, 1–10.
- Rogers, E. (1995). Diffusion of innovation. New York: Free Press.
- Sale, J. E. M., Lohfeld, L. H., & Brazil, K. (2002). Revisiting the quantitative-qualitative debate: Implications for mixed-methods research. *Quality and Quantity*, 36(1), 43–53.
- Salloum, S. A., & Shaalan, K. (2018). Factors affecting students' flow experience of e-learning system in higher vocational education using UTAUT and structural equation modeling approaches. In *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST*. Springer.

- Sarstedt, M., Ringle, C. M., & Hair, J. F. (2017). *Partial least squares structural equation modeling* (C. Homburg, M. Klarmann, & A. Vomberg (eds.)). Springer.
- Schillewaert, N., Ahearne, M. J., Frambach, R. T., & Moenaert, R. K. (2005). The adoption of information technology in the sales force. *Industrial Marketing Management*, 34(4), 323–336.
- Sekaran, U., & Bougie, R. (2016). Research methods for business. In *John Wiley & Sons Ltd* (Seventh Ed). John Wiley & Sons Ltd.
- Sharma, S. K., & Kitchens, F. L. (2004). Web services architecture for m-learning. *Electronic Journal on E-Learning*, 2(1), 203–216.
- Shih, Y. Y., & Chen, C. Y. (2013). The study of behavioral intention for mobile commerce: Via integrated model of TAM and TTF. *Quality and Quantity*, 47(2), 1009–1020.
- Sidik, D., & Syafar, F. (2020). Exploring the factors influencing student's intention to use mobile learning in Indonesia higher education. *Education and Information Technologies*, 25(6), 4781–4796.
- Sitar-Taut, D.-A., & Mican, D. (2021). Mobile learning acceptance and use in higher education during social distancing circumstances: An expansion and customization of UTAUT2. *Online Information Review*, 45(5), 1000–1019.
- Suki, N. M., & Suki, N. M. (2017). Determining students' behavioural intention to use animation and storytelling applying the UTAUT model: The moderating roles of gender and experience level. *International Journal of Management Education*, 15(3), 528–538.
- Tan, P. J. B. (2013). Applying the UTAUT to understand factors affecting the use of english e-learning websites in Taiwan. SAGE Open, 3(4), 1–12.
- Teo, T. (2011). Factors influencing teachers' intention to use technology: Model development and test. *Computers and Education*, 57(4), 2432–2440.
- Teo, T., & Noyes, J. (2014). Explaining the intention to use technology among preservice teachers: A multi-group analysis of the unified theory of acceptance and use of technology. *Interactive Learning Environments*, 22(1), 51–66.
- Thai, N. T. T., De Wever, B., & Valcke, M. (2020). Face-to-face, blended, flipped, or online learning environment? impact on learning performance and student cognitions. *Journal of Computer Assisted Learning*, 36(3), 397–411.
- Thatcher, J. B., & Perrewe, P. L. (2002). An empirical examination of individual traits as antecedents to computer anxiety and computer self-efficacy. *MIS Quarter*, 26(3), 567–594.
- Thongsri, N., Shen, L., Bao, Y., & Alharbi, I. M. (2018). Integrating UTAUT and UGT to explain behavioural intention to use m-learning: A developing country's perspective. *Journal of Systems and Information Technology*, 20(3), 278–297.
- Tiwari, M., Gupta, Y., Khan, F. M., & Adlakha, A. (2021). UTAUT3 model viability

- among teachers due to technological dynamism during COVID-19. *Information Discovery and Delivery*, 1–15.
- Twum, K. K., Ofori, D., Keney, G., & Korang-Yeboah, B. (2021). Using the UTAUT, personal innovativeness and perceived financial cost to examine student's intention to use e-learning. *Journal of Science and Technology Policy Management*, 1–25.
- Venkatesh, V., Morris, M. G., Davis, G. B., & Davis, F. D. (2003). User acceptance of information technology: Toward a unified view. *Management Information Systems Research Center*, 27(3), 425–478.
- Venkatesh, V., Thong, J. Y. L., & Xu, X. (2012). Consumer acceptance and use of information technology: Extending the unified theory of acceptance and use of technology. *MIS Quarterly*, *36*(1), 157–178.
- Venkatesh, V., Thong, J. Y. L., & Xu, X. (2016). Unified theory of acceptance and use of technology: A synthesis and the road ahead. *Journal of the Association for Information Systems*, 17(5), 328–376.
- Yang, H. H., Feng, L., & MacLeod, J. (2019). Understanding college students' acceptance of cloud classrooms in flipped instruction: Integrating UTAUT and connected classroom climate. *Journal of Educational Computing Research*, 56(8), 1258–1276.
- Yu-ching, C. (2015). Linking learning styles and learning on mobile facebook. *International Review of Research in Open and Distance Learning*, 16(2), 94–114.
- Zwain, A. A. (2019). Technological innovativeness and information quality as neoteric predictors of users' acceptance of learning management system: An expansion of UTAUT2. *Interactive Technology and Smart Education*, 16(3), 239–254.

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