

DAFTAR REFERENSI

- Al-Balushi, S. M., & Al-Abdali, N. S. (2015). Using a Moodle-based professional development program to train science teachers to teach for creativity and its effectiveness on their teaching practices. *Journal of science education and technology*, 24, 461-475.
- Altun, D. (2019). Investigating Pre-Service Early Childhood Education Teachers' Technological Pedagogical Content Knowledge (TPACK) Competencies Regarding Digital Literacy Skills and Their Technology Attitudes and Usage. *Journal of Education and Learning*, 8(1), 249-263.
- Anggraeni, D. M., & Sole, F. B. (2022). The analysis of 4-C in moodle-based online learning in science learning media courses. *Jurnal Penelitian Pendidikan IPA*, 8(3), 1612-1617.
- Apak, J., Taat, M. S., & Suki, N. M. (2021). Measuring teacher creativity-nurturing behavior and readiness for 21st century classroom management. *International Journal of Information and Communication Technology Education (IJICTE)*, 17(3), 52-67.
- Ariesta, Freddy Widya, Suwarno & Olilia Rombot. 2019. Enhancing science learning outcomes through Moodle-based e-learning in elementary schools (Online). <https://www.semanticscholar.org/paper>, accessed November 27, 2020. 2 (10): 2183-2187
- Basilaia, G., & Kvavadze, D. (2020). Transition to online education in schools during a SARS-CoV-2 coronavirus (COVID-19) pandemic in Georgia. *Pedagogical Research*, 5(4). <https://doi.org/10.29333/pr/7937>
- Bates, A.W. (2019). *Teaching in a Digital Age – Second Edition*. Vancouver, B.C.: Tony Bates Associates Ltd. Retrieved from <https://pressbooks.becampus.ca/teachinginadigitalagev2/>
- Bereczki, E. O., & Kárpáti, A. (2021). Technology-enhanced creativity: A multiple case study of digital technology-integration expert teachers' beliefs and practices. *Thinking Skills and Creativity*, 39, 100791.
- Bereczki, E. O., & Karpati, A. (2018). Teachers' beliefs about creativity and its nurture: A systematic review of the recent research literature. *Educational research review*, 23, 25-56.
- C. J. Wang, Facilitating the emotional intelligence development of students: Use of technological pedagogical content knowledge (TPACK), *Journal of Hospitality Leisure Sport and Tourism Education* 25 (2019) 100198. DOI: <https://doi.org/10.1016/j.jhlste.2019.100198>

- Calvani, A., Fini, A., & Ranieri, M. (2010). Digital Competence in K-12: theoretical models, assessment tools and empirical research. *Anàlisi: quaderns de comunicació i cultura*, (40), 157-171.
- Cantabrana, J. L. L., Rodríguez, M. U., & Cervera, M. G. (2019). Assessing teacher digital competence: The construction of an instrument for measuring the knowledge of pre-service teachers. *Journal of New Approaches in Educational Research*, 8(1), 73–78. <https://doi.org/10.7821/naer.2019.1.370>
- Cropley, A. J. (2011). Teaching creativity. In M. A. Runco, & S. R. Pritzker (Eds.), *Encyclopedia of creativity* (pp. 435–445). London, UK: Elsevier
- Demissie, E. B., Labiso, T. O., & Thuo, M. W. (2022). Teachers' digital competencies and technology integration in education: Insights from secondary schools in Wolaita Zone, Ethiopia. *Social Sciences & Humanities Open*, 6(1), 100355.
- Dewi, C., & Rusilowati, A. (2021, June). The analysis of exploratory factors on the development of data, technology, and human literacy assessment instrument. In *Journal of Physics: Conference Series* (Vol. 1918, No. 5, p. 052073). IOP Publishing.
- Edutopia. (2007). Technology Integration: What is successful technology integration?. Retrieved from <https://www.edutopia.org/technology-integration-guide-descriptio n>.
- Elmaadaway, M. A. N., & Abouelenein, Y. A. M. (2022). In-service teachers' TPACK development through an adaptive e-learning environment (ALE). *Education and Information Technologies*, 1-26.
- Fatmawati, S. (2019). Efektivitas forum diskusi pada e-learning berbasis Moodle untuk meningkatkan partisipasi belajar. *Refleksi Edukatika: Jurnal Ilmiah Kependidikan*, 9(2)
- Fatmi, N., Muhammad, I., Muliana, M., & Nasrah, S. (2021). The utilization of moodle-based learning management system (LMS) in learning mathematics and physics to students' cognitive learning outcomes. *International Journal for Educational and Vocational Studies*, 3(2), 155-162.
- Fatoni, A. (2022). Pengembangan Bahan Ajar Sistem Pernapasan Melalui Moodle yang Berorientasi Meningkatkan Literasi Digital Siswa. *Perspektif Ilmu Pendidikan*, 36(2), 105-114.
- Ferrari A 2013 “DIGCOMP: A Framework for Developing and Understanding Digital Competence in Europe,” Joint Research Centre of the European Commission p 4-6

Fraillon, J., Schulz, W., & Ainley, J. (2013). International Computer and Information Literacy Study: Assessment Framework. International Association for the Evaluation of Educational Achievement. Herengracht 487, Amsterdam, 1017 BT, The Netherlands.

Garson, G. D. (2016). Factor Analysis and Dimension Reduction in R: A Social Scientist's Toolkit. Taylor & Francis.

Ghozali, I., & Latan, H. (2015). Partial Least Squares, konsep, teknik dan aplikasi menggunakan program Smartpls 3.0 untuk penelitian empiris. Semarang: Badan Penerbit UNDIP.

Ghozali, Imam. 2006. "Aplikasi Analisis Multivariate Dengan Program SPSS". Semarang: Badan Penerbit Undip

Ghozali, Imam. 2015. Model Persamaan Struktural Konsep dan Aplikasi dengan Program AMOS Ver. 16.0. Semarang Badan Penerbit UNDIP

Gumiran, I. C. (2022) Moodle Learning Management System Utilization Assessment: Lenses on Its Accessibility, Security, and Usability. International Journal of Research and Innovation in Social Science (IJRISS) |Volume VI, Issue VIII

Gunawan, G., Sahidu, H., Susilawati, S., Harjono, A., & Herayanti, L. (2019, December). Learning management system with Moodle to enhance creativity of candidate physics teacher. In Journal of Physics: Conference Series (Vol. 1417, No. 1, p. 012078). IOP Publishing

Hair Jr, 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: A workbook (p. 197). Springer Nature.

Hair, J. F., Risher, J. J., Sarstedt, M., & Ringle, C. M. (2019). When to use and how to report the results of PLS-SEM. European business review, 31(1), 2-24.

Hair, J., & Alamer, A. (2022). Partial Least Squares Structural Equation Modeling (PLS-SEM) in second language and education research: Guidelines using an applied example. Research Methods in Applied Linguistics, 1(3), 100027.

Harahap, L. K., & Pd, M. (2020). Analisis SEM (Structural Equation Modelling) dengan SMARTPLS (partial least square). Fakultas Sains Dan Teknologi Uin Walisongo Semarang, 1(1).

Hassan, T. U., & Sajid, A. R. (2012). ICTs in learning in Pakistan. International Journal of Evaluation and Research in Education (IJERE), 1(2), 51-60.

Hatlevik, O. E., Thronsen, I., Loi, M., & Gudmundsdottir, G. B. (2018). Students' ICT self-efficacy and computer and information literacy: Determinants and relationships. *Computers & Education*, 118, 107–119. <https://doi.org/10.1016/j.compe.2017.11.011>

Helsper, E. J., & Eynon, R. (2010). Digital natives: where is the evidence?. *British educational research journal*, 36(3), 503-520.

Herlina, E. (2022). Analisis Kepuasan Mahasiswa dalam Pembelajaran Online dengan Menggunakan LMS Moodle.

Hutagalung, B., & Purbani, W. (2021). The Ability of Digital Literacy for Elementary School Teachers. *JPI (Jurnal Pendidikan Indonesia)*, 10(4).

Joubert, M. M. (2001). The art of creative teaching: NACCCE and beyond. *Creativity in education*, 17-34.

Kaminski, J. (2005). Moodle—A user-friendly, open source course management system. *Online Journal of Nursing Informatics (OJNI)*, 9(1), 1-3.

Kasim, N. N. M., & Khalid, F. (2016). Choosing the right learning management system (LMS) for the higher education institution context: A systematic review. *International Journal of Emerging Technologies in Learning*, 11(6).

Kerimbayev, N., Nurym, N., Akramova, A., & Abdykarimova, S. (2020). Virtual educational environment: interactive communication using LMS Moodle. *Education and Information Technologies*, 25, 1965-1982.

Koehler, M. J., & Mishra, P. (2009). What is technological pedagogical content knowledge? *Contemporary Issues in Technology and Teacher Education*, 9(1), 60–70.

Kultsum, U. (2023). Pengaruh Latar Belakang Pendidikan dan Pelatihan Keguruan Terhadap Kompetensi Profesional Guru Sekolah Dasar Islam Cendekia. *Jurnal ASIK: Jurnal Administrasi, Bisnis, Ilmu Manajemen & Kependidikan*, 1(1), 21-31.

Kurniawan, A. F., Purba, L. S. L., & Simanjuntak, F. N. (2021, June). Utilization of Moodle in Increasing Motivation of Learning Chemistry Students. In 2nd Annual Conference on blended learning, educational technology and Innovation (ACBLETI 2020) (pp. 182-188). Atlantis Press.

Lachner, A., Backfisch, I., & Stürmer, K. (2019). A test-based approach of modeling and measuring technological pedagogical knowledge. *Computers & Education*, 142, 103645.

- Lohr, A., Stadler, M., Schultz-Pernice, F., Chernikova, O., Sailer, M., Fischer, F., & Sailer, M. (2021). On powerpointers, clickerers, and digital pros: Investigating the initiation of digital learning activities by teachers in higher education. *Computers in Human Behavior*, 119, 106715.
- Lukas, S., Yugopuspito, P., Krisnadi, D., & Sumiyanto, A. H. (2023). Improving Student's Mastering of Concepts and Activity Using Higher Order Thinking Skills Exercises. *International Journal of Information and Education Technology*, 13(3).
- Moodle. (2015, April 11). Moodle Is the Open Source Platform That Lets You Build the Perfect Education Solution for Your Needs [online]. Available: <https://moodle.com/moodle-lms/>.
- Mthethwa-Kunene, K. E., & Maphosa, C. (2020). An analysis of factors affecting utilisation of Moodle learning management system by open and distance learning students at the University of Eswatini. *American Journal of Social Sciences and Humanities*, 5(1), 17-32.
- Mukhtar, K. A. (2020). Pengaruh Kepemimpinan Kepala Madrasah dan Motivasi Kerja Guru terhadap Kreativitas Guru MTSN Se-Kabupaten Madiun. *Southeast Asian Journal of Islamic Education Management*, 1(1), 9-23.
- Muslimah, T., & Fauziah, A. N. M. (2021). Penerapan Media E-Learning Berbasis Moodle untuk Meningkatkan Hasil Belajar Siswa pada Materi Sistem Peredaran Darah Manusia. *PENSA: E-JURNAL PENDIDIKAN SAINS*, 9(2), 234-241.
- Mustika, M., & Temarwut, R. (2022). Membangun Tpack Guru Ips Melalui Moodle Berbasis Blended Learning Dalam Pembelajaran Tatap Muka Terbatas. *Jurnal Jendela Pendidikan*, 2(02), 313-323.
- Ng, W. (2012a). Can we teach digital natives digital literacy?. *Computers & education*, 59(3), 1065-1078.
- Ng, W. (2012b). Empowering scientific literacy through digital literacy and multiliteracies. New York: Nova Science Publishers.
- Novitasari, Y., & Fauziddin, M. (2022). Analisis Literasi Digital Tenaga Pendidik pada Pendidikan Anak Usia Dini. *Jurnal Obsesi: Jurnal Pendidikan Anak Usia Dini*, 6(4), 3570-3577
- Nurdiani, N., Rustaman, N. Y., Setiawan, W., & Priyandoko, D. (2019, July). The IM and LMS moodle as the TPACK components in improving embryology concepts mastery of prospective biology teachers. In *AIP Conference Proceedings* (Vol. 2120, No. 1, p. 060012). AIP Publishing LLC. <https://doi.org/10.1063/1.5115712>

Nurhidayah, L., & Suyanto, S. (2021, March). Integrated of Technological Pedagogical and Content Knowledge (TPACK) for Pre-Service Science Teachers: Literature Review. In 6th international seminar on science education (ISSE 2020) (pp. 98-106). Atlantis Press.

Nurjanah, E., Rusmana, A., & Yanto, A. (2017). Hubungan literasi digital dengan kualitas penggunaan e-resources. Lentera Pustaka: Jurnal Kajian Ilmu Perpustakaan, Informasi Dan Kearsipan, 3(2), 117-140.

Partala, T., & Saari, T. (2015). Understanding the most influential user experiences in successful and unsuccessful technology adoptions. Computers in Human Behavior, 53, 381-395.

Plucker, J. A., Beghetto, R. A., & Dow, G. T. (2004). Why isn't creativity more important to educational psychologists? Potentials, pitfalls, and future directions in creativity research. Educational Psychologist, 39(2), 83–96.

Portillo, J., Garay, U., Tejada, E., & Bilbao, N. (2020). Self-perception of the digital competence of educators during the COVID-19 pandemic: A cross-analysis of different educational stages. Sustainability, 12, 1–13. <https://doi.org/10.3390/su122310128>

Radwan, N.M., M.B. Senousy and M. Alaa El Din, 2014. Current trends and challenges of developing and evaluating learning management systems. International Journal of e-Education, e-Business, e-Management and e-Learning, 4(5): 361375: <https://doi.org/10.7763/ijeeee.2014.v4.351>.

Raman, A., Y. Don, R. Khalid and M. Rizuan, 2014. Usage of learning management system (Moodle) among postgraduate students: UTAUT model. Asian Social Science, 10(14): 186-192.

Ramdani, A., Purwoko, A. A., & Yustiqvar, M. (2021, December). Improving Scientific Creativity of Teacher Prospective Students: Learning Studies Using a Moodle-Based Learning Management System During the COVID-19 Pandemic. In International Joint Conference on Science and Engineering (pp. 261-267).

Rizal, R. (2021). Program Perkuliahan Fisika Sekolah Menggunakan Problem Based Learning Management System Accessed by Smartphone (pblmsas) Untuk Meningkatkan Keterampilan Berpikir Kreatif Dan Literasi Digital Calon Guru Fisika (Doctoral dissertation, Universitas Pendidikan Indonesia).

Rizal, R., Setiawan, W., & Rusdiana, D. (2019). Digital literacy of preservice science teacher. Journal of Physics: Conference Series, 1157(2). <https://doi.org/10.1088/1742-6596/1157/2/022058>

Rusydiyah, E. F. (2019). Teknologi Pembelajaran Implementasi Pembelajaran Era 4.0.

Sahin, I. (2011). Development of survey of technological pedagogical and content knowledge (TPACK). *Turkish Online Journal of Educational Technology- TOJET*, 10(1), 97-105.

Sailer, M., Murböck, J., & Fischer, F. (2021). Digital learning in schools: What does it take beyond digital technology?. *Teaching and Teacher Education*, 103, 103346.

Samsu, S. (2017). Metode Penelitian:(Teori Dan Aplikasi Penelitian Kualitatif, Kuantitatif, Mixed Methods, Serta Research & Development).

Saxena, A., Pant, D., Saxena, A., & Patel, C. (2020). Emergence of educators for Industry 5.0: An Indological perspective. *Int. J. Innov. Technol. Explor. Eng*, 9(12), 359-363.

Schnabel, T., Swaminathan, A., Singh, A., Chandak, N., & Joachims, T. (2016, June). Recommendations as treatments: Debiasing learning and evaluation. In international conference on machine learning (pp. 1670-1679). PMLR.

Setiawan, T., Sudomo, R. I., & Hasanah, F. N. (2019, November). Adaptive Hypermedia System Development Based on Moodle to Overcome the Diversity of Learning Style on Vocational Education in Indonesia. In *Journal of Physics: Conference Series* (Vol. 1273, No. 1, p. 012005). IOP Publishing.

Setyosari, P. (2015). Metode penelitian dan pengembangan. Jakarta: kencana.

Shrestha, S. K. (2020). Impact of social media promotion on customer purchase intention of commercial banks services. *The Batuk*, 6(1), 42-52.

Siero, N. B. (2017). Guidelines for supporting teachers in teaching digital literacy (Master's thesis, University of Twente).

Sitorus, R. R., & Tambun, S. (2023). Pelatihan Aplikasi Smart PLS untuk Riset Akuntansi bagi Ikatan Akuntan Indonesia (IAI) Wilayah Sumatera Utara. *Jurnal Pengabdian UNDIKMA*, 4(1), 18-26.

Soh, K. (2015). Creativity fostering teacher behaviour around the world: Annotations of studies using the CFTIndex. *Cogent Education*, 2(1), 1034494.

Spante,M., Hashemi,S.S., Lundin, M., & Algers, A.,(2018). Digital competence and digital literacy in higher education research: Systematic review of concept use, *Cogent Education*, 5:1, 1519143, DOI: 10.1080/2331186X.2018.1519143

Sternberg, R. J., & Lubart, T. I. (1991). An investment theory of creativity and its development. *Human development*, 34(1), 1-31.

Sugiyono, D. (2013). Metode penelitian pendidikan pendekatan kuantitatif, kualitatif dan R&D.

Suradi, Z., J.A.M. Baqwir and N.H. Yusoff, 2018. Factors affecting the use of moodle systems among students in Dhofar University. Proceedings of 130th The IRES International Conference, Taipei, Taiwan, 26th – 27th July, 2018.

Tauhidah, T. (2021). Pemanfaatan LMS Moodle dalam Pembelajaran Berbasis TPACK untuk Meningkatkan Kemampuan Analisis Peserta Didik Pada Materi Sistem Saraf (Doctoral dissertation, FKIP UNPAS).

Turugare, M., & Rudhumbu, N. (2020). Integrating technology in teaching and learning in universities in Lesotho: opportunities and challenges. *Education and Information Technologies*, 25(5), 3593-3612.

Vasanth, S., & Sumathi, C. S. (2020). Learning management systems through Moodle and Google classroom for education. *Advances in Research*, 21(10), 32-37.

Walker, D.S., J.R. Lindner, T.P. Murphrey and K. Dooley, 2016. Learning management system usage. *Quarterly Review of Distance Education*, 17(2): 41-50.

Widana, I. W. (2020, July). The effect of digital literacy on the ability of teachers to develop HOTS-based assessment. In *Journal of Physics: Conference Series* (Vol. 1503, No. 1, p. 012045). IOP Publishing.

Yamin, S. (2023). Smartpls 3, amos & stata: Olah data statistik (mudah & praktis) (Vol. 1). Dewangga Energi Internasional Publishing.