

DAFTAR PUSTAKA

- Abdjul, T. (2023). Effectiveness of *Google sites*-Assisted Learning Media on Vibration, Waves, and Sound Materials. *Jurnal Penelitian Pendidikan IPA*, 9(8), 5859–5863. <https://doi.org/10.29303/jppipa.v9i8.3879>
- Adom, D., Mensah, J. A., & Dake, D. A. (2020). Test, measurement, and evaluation: Understanding and use of the concepts in education. *International Journal of Evaluation and Research in Education*, 9(1), 109–119. <https://doi.org/10.11591/ijere.v9i1.20457>
- Agustina, L., Marsono, & Widiyanti. (2021). Development of Student Worksheets (LKPD) based on Project Based Learning in Vocational Basic Lessons to Improve Creativity of Vocational School Students. *Budapest International Research and Critics Institute-Journal (BIRCI-Journal)*, 4(4), 10845–10857. <https://doi.org/10.33258/birci.v4i4.313810845>
- Aka, K. A. (2019). Integration Borg & Gall (1983) and Lee & Owen (2004) models as an alternative model of design-based research of interactive multimedia in elementary school. *Journal of Physics: Conference Series*, 1318(1). <https://doi.org/10.1088/1742-6596/1318/1/012022>
- An, Y. (2021). History of Instructional Instructional Design , and Theories. *International Journal of Technology in Education*, 4(1), 1–21. <https://doi.org/10.46328/ijte.35>
- Anggraini, D., Khumaedi, M., & Widowati, T. (2020). Validity and reliability contents of independence assessment instruments of basic beauty students for class X SMK. *Journal of Research and Educational Research Evaluation*, 9(1), 40–46. <https://doi.org/10.15294/jere.v9i1.42558>.
- Atika Aini Nasution, Baginda Harahap, Rohmah Alawiyah Harahap, & Nasrul Wahdi. (2022). Socialization of the Use of Multimedia as a Learning Tool to Improve the Skills of MAS Darul Ilmi Students. *International Journal of Community Service (IJCS)*, 1(1), 48–61. <https://doi.org/10.55299/ijcs.v1i1.88>
- Azizah, N., Inderawati, R., & Vianty, M. (2021). Developing descriptive reading materials in efl classes by utilizing the local culture. *Studies in English Language and Education*, 8(2), 596–621. <https://doi.org/10.24815/siele.v8i2.18562>
- Butar-butur, I., Sitorus, J., Rantung, D. A., & Boiliu, N. I. (2023). Implementation of Educational Technology in the Development Area in Christian Religious Education in the Digital Age. *International Journal of Multidisciplinary: Applied Business and Education Research*, 4(2), 402–412. <https://doi.org/10.11594/ijmaber.04.02.07>

- Camburn, B., Dunlap, B., Gurjar, T., Hamon, C., Green, M., Jensen, D., Crawford, R., Otto, K., & Wood, K. (2015). A Systematic Method for Design Prototyping. *Journal of Mechanical Design*, 137(8), 1–12. <https://doi.org/10.1115/1.4030331>
- Cooper, B., Sikes, P., Stronach, I., & Torrance, H. (2006). British Educational Research Journal: Editorial. *British Educational Research Journal*, 32(6), 761–765. <https://doi.org/10.1080/01411920600989396>
- Damayanti, E., Santosa, A. B., Zuhrie, M. S., & Rusimamto, P. W. (2020). PENGARUH PENGGUNAAN MEDIA PEMBELAJARAN BERBASIS MULTIMEDIA INTERAKTIF TERHADAP HASIL BELAJAR SISWA BERDASARKAN GAYA BELAJAR. *Jurnal Pendidikan Teknik Elektro*. <https://doi.org/10.26740/jpte.v9n03.p639-645>
- Danin, V. J., & Kamaludin, A. (2023). Development of *Google sites* Based Learning Media on Chemical Bonds with Multilevel Chemical Representation. *Jurnal Penelitian Pendidikan IPA*, 9(9), 6727–6733. <https://doi.org/10.29303/jppipa.v9i9.1552>
- Darling-Hammond, L., Flook, L., Cook-Harvey, C., Barron, B., & Osher, D. (2020). Implications for educational practice of the science of learning and development. *Applied Developmental Science*, 24(2), 97–140. <https://doi.org/10.1080/10888691.2018.1537791>
- de Houwer, J., Barnes-Holmes, D., & Moors, A. (2013). What is learning? On the nature and merits of a functional definition of learning. *Psychonomic Bulletin and Review*, 20(4), 631–642. <https://doi.org/10.3758/s13423-013-0386-3>
- El-Sabagh, H. A. (2021). Adaptive e-learning environment based on learning styles and its impact on development students' engagement. *International Journal of Educational Technology in Higher Education*, 18(1). <https://doi.org/10.1186/s41239-021-00289-4>
- Fauziah1, S. A., Aini1, Z. N., Zahra1, B. S., & 1, Y. A. P. A. (2024). *From Passive to Proactive: Transforming Geography Education through Problem-Based Learning to Foster Critical Thought*. 1(3), 271–276. <https://doi.org/10.69877/fssge.v1i4.40>
- Firdausi, N. I. (2020). An Analysis Of Classroom Management In English Teaching Learning Process At Smpn 19 Seluma In Academic Year 2019/2020 Thesis. *Kaos GL Dergisi*, 8(75), 147–154. <https://doi.org/10.1016/j.jnc.2020.125798%0A>
- Firmansyah, G., Winarno, M. E., Setyawati, H., & Rustiadi, T. (2021). Validity and Reliability of Futsal Coach Competency Evaluation Instruments. *International Journal of Kinesiology and Sports Science*, 9(4), 21-28. <http://dx.doi.org/10.7575/aiac.ijkss.v.9n.4p.21>

- Goyibova, N., Muslimov, N., Sabirova, G., Kadirova, N., & Samatova, B. (2025). Differentiation approach in education: Tailoring instruction for diverse learner needs. *MethodsX*, 14(December 2024), 103163. <https://doi.org/10.1016/j.mex.2025.103163>
- Hendriksen, N., Logtenberg, A., Westbroek, H., & Janssen, F. (2024). Exploring teachers' agency in inclusive education: Secondary education teachers navigating their projects in responding to the diversity in students' sociocultural backgrounds. *Teaching and Teacher Education*, 149(August), 104731. <https://doi.org/10.1016/j.tate.2024.104731>
- Inganah, S., Darmayanti, R., & Rizki, N. (2023). Problems, Solutions, and Expectations: 6C Integration of 21 st Century Education into Learning Mathematics. *JEMS (Journal of Mathematics and Science Education)*, 11(1), 220–238. <https://doi.org/10.25273/jems.v11i1.14646>
- Jou, M., Lin, Y. T., & Wu, D. W. (2016). Effect of a blended learning environment on student critical thinking and knowledge transformation. *Interactive Learning Environments*, 24(6), 1131–1147. <https://doi.org/10.1080/10494820.2014.961485>
- Kennedy, B. L., Çolak, F. Z., Kremer, S., & Doornhof, J. (2024). How past experiences of being a student from a racially nondominant background shape the practices of current teachers in Dutch schools. *Teaching and Teacher Education*, 148(July 2023), 104684. <https://doi.org/10.1016/j.tate.2024.104684>
- Khasanah, R., & Muflihah, S. M. (2021). Online Learning Management Using *Google sites* on Relations and Functions in Pandemic Conditions. *Journal of Education and Learning Mathematics Research (JELMaR)*, 2(1), 68–76. <https://doi.org/10.37303/jelmar.v2i1.49>
- Kusmaryono, I., Wijayanti, D., & Maharani, H. R. (2022). Number of Response Options, Reliability, Validity, and Potential Bias in the Use of the Likert Scale Education and Social Science Research: A Literature Review. *International Journal of Educational Methodology*, 8(4), 625–637. <https://doi.org/10.12973/ijem.8.4.625>
- Kyndt, E., Gijbels, D., Grosemans, I., & Donche, V. (2016). Teachers' Everyday Professional Development: Mapping Informal Learning Activities, Antecedents, and Learning Outcomes. *Review of Educational Research*, 86(4), 1111–1150. <https://doi.org/10.3102/0034654315627864>
- Laksana, D. N. L. (2024). Validation Instruments for Local Culture-Based Learning Media. *Journal of Education Technology*, 8(2), 264-274.DOI: <https://doi.org/10.23887/jet.v8i2.74446>
- License, I. (2019). ISSN 1648-3898 ISSN 2538-7138 Enhancing Critical Thinking Skills Through Stem Problem-Based Contextual Learning: An Integrated E-Module Education Website With. 739–766. <https://doi.org/10.33225/jbse/24.23.739>

- Makransky, G., & Mayer, R. E. (2022). Benefits of Taking a Virtual Field Trip in Immersive Virtual Reality: Evidence for the Immersion Principle in Multimedia Learning. *Educational Psychology Review*, 34(3), 1771–1798. <https://doi.org/10.1007/s10648-022-09675-4>
- Manca, S., & Ranieri, M. (2017). Implications of social network sites for teaching and learning. Where we are and where we want to go. *Education and Information Technologies*, 22(2), 605–622. <https://doi.org/10.1007/s10639-015-9429-x>
- Mat Diah, N., Ismail, M., Mazliana Abdul Hamid, P., & Ahmad, S. (2012). A Development of a Computer-Assisted Software (AJaW) That Encourages Jawi Writing for Children. *Education*, 2(5), 130–135. <https://doi.org/10.5923/j.edu.20120205.04>
- Mayer, R. E. (2017). Using multimedia for e-learning. *Journal of Computer Assisted Learning*, 33(5), 403–423. <https://doi.org/10.1111/jcal.12197>
- Melchert, F., Bani, G., Seiffert, U., & Biehl, M. (2020). Adaptive basis functions for prototype-based classification of functional data. *Neural Computing and Applications*, 32, 18213–18223. <https://doi.org/10.1007/s00521-019-04299-2>
- Muhammad Herman, Ade Salahudin Permadi, & Verawati. (2025). Kesenjangan Akses Internet Dan Dampaknya Terhadap Kualitas Pendidikan Di Desa Tampelas Kecamatan Kamipang Kabupaten Katingan. *Bitnet: Jurnal Pendidikan Teknologi Informasi*. <https://doi.org/10.33084/bitnet.v10i2.9971>
- Nichita, A., Batrancea, L., Marcel Pop, C., Batrancea, I., Morar, I. D., Masca, E., Roux-Cesar, A. M., Forte, D., Formigoni, H., & da Silva, A. A. (2019). We Learn Not for School but for Life: Empirical Evidence of the Impact of Tax Literacy on Tax Compliance. *Eastern European Economics*, 57(5), 397–429. <https://doi.org/10.1080/00128775.2019.1621183>
- Niegemann, H. M., & Heidig, S. (2012). Multimedia Learning. *Encyclopedia of the Sciences of Learning*, 41, 2372–2375. https://doi.org/10.1007/978-1-4419-1428-6_285
- Nisa, W. L., Ismet, I., & Andriani, N. (2020). Development of E-Modules Based on Multi-representations in Solid-State Physics Introductory Subject. *Berkala Ilmiah Pendidikan Fisika*, 8(2), 73. <https://doi.org/10.20527/bipf.v8i1.7690>
- Nowak, P., Ibadov, N., & Rosłon, J. (2023). Educational and didactic tools development—modern construction management projects. *Zeszyty Naukowe Politechniki Śląskiej. Organizacja i Zarządzanie*, (188). <http://dx.doi.org/10.29119/1641-3466.2023.188.21>
- Nugraha, W., Suryaningrat, E., & Nurjamaludin, M. (2020). *Using the Power of Two Model in Teaching Science in Primary School*. <https://doi.org/10.4108/eai.13-2-2019.2286506>

- Olusegun, S. (2015). Constructivism Learning Theory: A Paradigm for Teaching and Learning. *IOSR Journal of Research & Method in Education Ver. I*, 5(6), 2320–7388. <https://doi.org/10.9790/7388-05616670>
- Orui, M., Nakayama, C., Kuroda, Y., Moriyama, N., Iwasa, H., Horiuchi, T., Nakayama, T., Sugita, M., & Yasumura, S. (2020). The association between utilization of media information and current health anxiety among the fukushima daiichi nuclear disaster evacuees. *International Journal of Environmental Research and Public Health*, 17(11). <https://doi.org/10.3390/ijerph17113921>
- Oswin, N. (2019). An other geography. *Dialogues in Human Geography*, 10(1), 9-18. <https://doi.org/10.1177/2043820619890433> (Original work published 2020)
- Penuel, W. R., Fishman, B. J., Cheng, B., & Sabelli, N. (2011). Organizing research and development at the intersection of learning, implementation, and design. *Educational Researcher*, 40(7), 331–337. <https://doi.org/10.3102/0013189X11421826>
- Pozas, M., Letzel, V., & Schneider, C. (2020). Teachers and differentiated instruction: Exploring differentiation practices to address student diversity. *Journal of Research in Special Educational Needs*, 20(3), 217–230. <https://doi.org/10.1111/1471-3802.12481>
- Praptiwi, F. A., Kurniawan, R. D., & Hidayah, R. (2020). The effect of chemiclfe media on chemical bond material based on completeness and student learning outcomes. In *International Joint Conference on Science and Engineering (IJCSE 2020)* (pp. 172-175). Atlantis Press. <https://doi.org/10.2991/aer.k.201124.032>
- Pratiwi, D., & Sudrajat, A. (2021). Pengembangan Media Pembelajaran Berbasis Google Sites untuk Meningkatkan Hasil Belajar Siswa. *Jurnal Pendidikan Teknologi dan Kejuruan*. <https://doi.org/10.32550/teknodik.vi.991>
- Purnamasari, I., Munthasofi, B., & Tanuatmodjo, H. (2018). *Increasing Learning Outcomes Using Contextual Teaching and Learning Model in Accounting Subject*. *Iceee*, 330–335. <https://doi.org/10.5220/0006885603300335>
- Putri, A. E., & Mukminan. (2019). *Use Of Interactive Learning Media Based On Macromedia Flash On Student Learning Outcomes*. 323(ICoSSCE 2018), 140–142. <https://doi.org/10.2991/icossce-icsmc-18.2019.27>
- Qowaid, Q., Supriyadi, S., Hayadin, H., Murtadlo, M., Amalia, A., Syafwandi, S., Rusdiono, R., & Ma'rifataini, L. (2020). *The Influence of Creativity on The Results of Islamic Religious Study Learning in Students Taught by Using The Learning Media Based on*

Information and Conventional Technology. <https://doi.org/10.4108/eai.8-10-2019.2294511>

- Rachmad, Yoesoep Edhie. (2022). Adaptive Learning Theory. La Paz Costanera Publicaciones Internacionales, Edición Especial 2022.
<https://doi.org/10.17605/osf.io/vfz38>
- Rahman, S., & Erianjoni. (2022). Increasing Students' Motivation and Geography Learning Outcomes Through Pq4R Strategy Based on Crossword Puzzle. *International Journal of Formal Education*, 1(5), 47–57. <https://doi.org/10.24036/sjdgge.v6i2.427>
- Rizal, M. S. (2024). Educational Evolution: Sustainable Beturnment With Country in the Development of the Trainer. ... *International Conference on Education ...*, 02(01), 28–36. <https://doi.org/10.4108/eai.19-9-2023.2340397>
- Ruhimat, M. (2018). Educating Learners about “maritime” Attitudes through Geography Education. *IOP Conference Series: Earth and Environmental Science*, 145(1). <https://doi.org/10.1088/1755-1315/145/1/012049>
- Saidah, K., & Damariswara, R. (2021). Development of Interactive Folklore Based on Android Oriented to Local Wisdom to Improve Reading Comprehension of Elementary School Students. *Al Ibtida: Jurnal Pendidikan Guru MI*, 8(2), 276. <https://doi.org/10.24235/al.ibtida.snj.v8i2.7035>
- Saputra, E. A., Wakhinuddin, & Rizal, F. (2020). Validity and practicality of problem-based electronic learning media. *Social Sciences, Education and Humanities*, 5, 88–92. <https://doi.org/10.32698/GCS-PSSHRS351>.
- Sari, C. M. W., Huda, I., Pada, A. U. T., Rahmatan, H., & Samingan. (2020). Construct validity of digital media literacy instrument for student teachers. *Journal of Physics*, 2460, 1–6. <https://doi.org/10.1088/1742-6596/1460/1/012053>.
- Sari, M. M., Yulinda, R., & Purwasih, D. (2024). The Encyclopedia of Flora on Curiak Island to Improve Critical Thinking Skills of Science Education Students. *Jurnal Penelitian Pendidikan IPA*, 10(2), 625–631. <https://doi.org/10.29303/jppipa.v10i2.6128>
- Simbolon, N., & Silalahi, S. (2019). Improving learning experience and participation through motivational expressions in problem based learning. *International Journal of Innovation, Creativity and Change*, 9(10), 104–115. <https://doi.org/10.2991/icosce-icsmc-18.2019.27>
- Siregar, T. I., Anilafiza, U., Atia, S., & Lestari, H. I. (2023). Analyze students learning interest in the subjects they like. *International Journal of Education and Teaching Zone*, 2(1), 139–147. <https://doi.org/10.57092/ijetz.v2i1.77>

- Situmorang, L., Hamid K, A., & Panjaitan, K. (2023). *Development of Differentiate Learning Media Using Google sites to Improve Biology Learning Outcomes*. <https://doi.org/10.4108/eai.19-9-2023.2340397>
- Spatioti, A. G., Kazanidis, I., & Pange, J. (2022). A Comparative Study of the ADDIE Instructional Design Model in Distance Education. *Information (Switzerland)*, 13(9), 1–20. <https://doi.org/10.3390/info13090402>
- Suradika, A., Winata, W., Wicaksono, D., & Husainah, N. (2022). Instructional Development of Introduction To Statistics Based on Dick and Carey’S Model. *The Social Perspective Journal*, 1(2), 111–127. <https://doi.org/10.53947/tspj.v1i2.75>
- Tazkya Nayla Kuntadi, & Fakhri Dhiya Hidayat. (2022). Training Children’s Character Education Through Technology-based Learning Media. *International Journal of Education, Language, Literature, Arts, Culture, and Social Humanities*, 1(1), 35–44. <https://doi.org/10.59024/ijellacush.v1i1.25>
- Ting, K. L. H., & Lewkowicz, M. (2015). From Prototype Testing to Field Trials: The Implication of Senior Users in the Evaluation of a Social Application. *Procedia Computer Science*, 67(Dsai), 273–282. <https://doi.org/10.1016/j.procs.2015.09.271>
- Untari, R. S., Kamdi, W., Dardiri, A., Hadi, S., & Nurhadi, D. (2020). The development and application of interactive multimedia in project-based learning to enhance students’ achievement for 2D animation making. *International Journal of Emerging Technologies in Learning*, 15(16), 17–30. <https://doi.org/10.3991/ijet.v15i16.16521>
- Wibowo, A., Setiawan, D., & Rambe, T. (2022). Development of Interactive Learning Media Based on Contextual Learning Current Pkn Students of Class V Sdn 250/Vi Sinar Gading Ii. *Sensei International Journal of Education and Linguistic*, 2(2), 362–377. <https://doi.org/10.53768/sijel.v2i2.84>
- Wicaksana, A. F. N., Nardiyana, K. S. U., Werdiningsih, D., & Busri, H. (2024). Development of Interactive Poetry Writing Teaching Materials with Smart Themed Differentiated Learning Design in Class X SMA Brawijaya Smart School Andrean. *International Journal of Social Science and Education Research Studies*, 04(06), 614–618. <https://doi.org/10.55677/ijssers/v04i6y2024-18>
- Yli-Panula, E., Jeronen, E., & Lemmetty, P. (2020). Teaching and learning methods in geography promoting sustainability. *Education Sciences*, 10(1). <https://doi.org/10.3390/educsci10010005>
- Yulianti, T., & Sulistiyawati, A. (2020). *The Blended Learning for Student’s Character Building*. 422(Icope 2019), 56–60. <https://doi.org/10.2991/assehr.k.200323.089>

Zainal Maliki, R. (2017). *Developing Interactive Learning Media for Life Environment Material of the Geographic*. 79(Icge 2016), 324–328. <https://doi.org/10.2991/icge-16.2017.62>

Zhou, Y., & Liu, Y. (2022). The geography of poverty: Review and research prospects. *Journal of Rural Studies*, 93, 408-416.
<https://doi.org/10.1016/j.jrurstud.2019.01.008>