

## DAFTAR PUSTAKA

- Almulla, M. A. (2020). The Effectiveness of the Project-Based Learning (PBL) Approach as a Way to Engage Students in Learning. *SAGE Open*, 10(3), 215824402093870. <https://doi.org/10.1177/2158244020938702>
- Alsaleh, N. J. (2020). Teaching Critical Thinking Skills: Literature Review. In *TOJET: The Turkish Online Journal of Educational Technology* (Vol. 19, Issue 1).
- Al-smadi, A. M., Abugabah, A., & Smadi, A. Al. (2022). Evaluation of *E-Learning* Experience in the Light of the Covid-19 in Higher Education. *Procedia Computer Science*, 201, 383–389. <https://doi.org/10.1016/j.procs.2022.03.051>
- Alyoussef, I. Y. (2023). Acceptance of *E-Learning* in higher education: The role of task-technology fit with the information systems success model. *Heliyon*, 9(3), e13751. <https://doi.org/10.1016/j.heliyon.2023.e13751>
- Anggraeni, D. M., Prahani, B. K., Suprpto, N., Shofiyah, N., & Jatmiko, B. (2023). Systematic review of problem based learning research in fostering critical thinking skills. *Thinking Skills and Creativity*, 49, 101334. <https://doi.org/10.1016/j.tsc.2023.101334>
- ARTICLE JPPPI. (n.d.).
- Banawi, A. (2019). Implementasi Pendekatan Saintifik Pada Sintaks Discovery/Inquiry Learning, Based Learning, *Project Based Learning*. *Biosel: Biology Science and Education*, 8(1), 90. <https://doi.org/10.33477/bs.v8i1.850>
- Bangun, R. H., Sitompul, J., & Fibriasari, H. (2022). Google Sites as Learning Media in the Material Development of Advanced Reading Comprehension. *International Journal of Research and Review*, 9(7), 519–525. <https://doi.org/10.52403/ijrr.20220756>
- Castro, M. D. B., & Tumibay, G. M. (2021). A literature review: efficacy of online learning courses for higher education institution using meta-analysis. *Education and Information Technologies*, 26(2), 1367–1385.
- Chang, C.-C., Wegerif, R., & Hennessy, S. (2023). Exploring dialogic education used to teach historical thinking within the cultural context of East Asia: A multiple-case study in Taiwanese classrooms. *Learning, Culture and Social Interaction*, 41, 100729. <https://doi.org/10.1016/j.lcsi.2023.100729>
- Daryanes, F., Darmadi, D., Fikri, K., Sayuti, I., Rusandi, M. A., & Situmorang, D. D. B. (2023). The development of articulate storyline interactive learning media based on case methods to train student's problem-solving ability. *Heliyon*, 9(4), e15082. <https://doi.org/10.1016/j.heliyon.2023.e15082>

- Daryanto. (2016). Media Pembelajaran (Peranannya sangat penting dalam mencapai tujuan pembelajaran) Edisi ke 2 Revisi, hal. 186. Gava Media.
- Double, K. S., Masri, Y. El, McGrane, J. A., & Hopfenbeck, T. N. (2023). Do IB students have higher critical thinking? A comparison of IB with national education programs. *Thinking Skills and Creativity*, 50. <https://doi.org/10.1016/j.tsc.2023.101416>
- Dulun, Ö., & Lane, J. F. (2023). Supporting critical thinking skills needed for the International Baccalaureate Diploma Programme: A content analysis of a national and two international education programs in Turkey. *Thinking Skills and Creativity*, 47, 101211. <https://doi.org/10.1016/j.tsc.2022.101211>
- El Omari, H., Chlouchi, K., Talbi, F. Z., Benboubker, M., Mrani Alaoui, M., Lahouiti, K., Chlouchi, A., Maniar, S., Merabti, A., Taam, A., & El Ouali Lalami, A. (2023). *E-Learning* experience during COVID-19 pandemic management: Perception of secondary schools teachers' in Morocco. *Scientific African*, 19, e01536. <https://doi.org/10.1016/j.sciaf.2022.e01536>
- Fayanto, S.-, Kawuri, M. Y. R. T., Jufriansyah, A., Setiamukti, D. D., & Sulisworo, D. (2019). Implementation *E-Learning* Based Moodle on Physics Learning in Senior High School. *Indonesian Journal of Science and Education*, 3(2), 93. <https://doi.org/10.31002/ijose.v3i2.1178>
- Guo, P., Saab, N., Post, L. S., & Admiraal, W. (2020). A review of project-based learning in higher education: Student outcomes and measures. *International Journal of Educational Research*, 102, 101586. <https://doi.org/10.1016/j.ijer.2020.101586>
- Haryadi, R., Nuraini, H., & Kansaa, A. (2021). PENGARUH MEDIA PEMBELAJARAN *E-LEARNING* TERHADAP HASIL BELAJAR SISWA. *AtTālim : Jurnal Pendidikan*, 7(1), 2548–4419. <https://doi.org/10.36835/attalim>
- Jubaidah, S., & Zulkarnain, M. R. (2020). Penggunaan google sites pada pembelajaran matematika materi pola bilangan SMP kelas VIII SMPN 1 Astambul. *Lentera: Jurnal Ilmiah Kependidikan*, 15(2), 68–73.
- Jusriati, J., Nasriandi, N., Kurniadi, W., & Ratna, R. (2021). THE IMPLEMENTATION OF GOOGLE SITE AS *E-LEARNING* PLATFORM FOR TEACHING EFL DURING COVID-19 PANDEMIC. *English Review: Journal of English Education*, 10(1), 129–138. <https://doi.org/10.25134/erjee.v10i1.5363>
- Kaur, D. P., Mantri, A., & Horan, B. (2020). Enhancing Student Motivation with use of Augmented Reality for Interactive Learning in Engineering Education. *Procedia Computer Science*, 172, 881–885. <https://doi.org/10.1016/j.procs.2020.05.127>

- Lucas-Palacios, L., Trabajo-Rite, M., & Delgado-Algarra, E. J. (2023). Heritage education in initial teacher training from a feminist and animal ethics perspective. A study on critical-empathic thinking for social change. *Teaching and Teacher Education*, 129, 104153. <https://doi.org/10.1016/j.tate.2023.104153>
- Ma, Y. (2023). Exploration of flipped classroom approach to enhance critical thinking skills. *Heliyon*, 9(11), e20895. <https://doi.org/10.1016/j.heliyon.2023.e20895>
- Marnewick, C. (2023). Student experiences of project-based learning in agile project management education. *Project Leadership and Society*, 4, 100096. <https://doi.org/10.1016/j.plas.2023.100096>
- Maydiantoro, A. (2021). Model-Model Penelitian Pengembangan (Research and Development). *Jurnal Pengembangan Profesi Pendidik Indonesia (JPPPI)*.
- Muchsin, M., & Mariati, M. (2020). Application of *Project Based Learning* Models in Improving Creative Thinking of Students at Physics Lessons in SMA Bandar Baru. *Budapest International Research and Critics Institute (BIRCI-Journal): Humanities and Social Sciences*, 3(2), 1453–1458. <https://doi.org/10.33258/birci.v3i2.1008>
- Murdani, E. (2021). Pengembangan Asesmen Berpikir Kritis dalam Pembelajaran Berbasis Proyek Pada Topik Kelistrikan. *Seminar Nasional Pendidikan IPA Tahun 2021*, 1(1).
- Muslihudin, N., & Adab, P. (n.d.). E-LEARNING SEBAGAI MEDIA PEMBELAJARAN INOVATIF. Penerbit Adab. <https://books.google.co.id/books?id=AIHJEAAAQBAJ>
- Nurati, D. E., & Riyanto, B. (n.d.). *Manfaat E-Learning dalam Proses Belajar Mahasiswa*.
- Rahman Prasetyo, A., & Hamami UIN Sunan Kalijaga Yogyakarta, T. (2020). PRINSIP-PRINSIP DALAM PENGEMBANGAN KURIKULUM. *PALAPA : Jurnal Studi Keislaman Dan Ilmu Pendidikan*, 8(1).
- Ratnawati, D., & Khaharsyah, A. (n.d.). *PENGEMBANGAN E-MODUL SISTEM PENDINGIN BERBASIS WEBSITE GOOGLE SITES UNTUK SISWA SEKOLAH MENENGAH KEJURUAN*. <https://journal.uny.ac.id/index.php/dynamika/issue/view/2267>
- Rayanto, Y. H., Rokhmawan, T., & Maulana, M. Z. A. S. (n.d.). *PENELITIAN PENGEMBANGAN MODEL ADDIE DAN R2D2: TEORI & PRAKTEK*. Lembaga Academic & Research Institute. <https://books.google.co.id/books?id=pJHcDwAAQBAJ>
- Reavley, N. J., Morgan, A. J., Fischer, J.-A., Kitchener, B. A., Bovopoulos, N., & Jorm, A. F. (2021). Longer-term effectiveness of *E-Learning* and blended

delivery of Mental Health First Aid training in the workplace: 2-Year follow-up of a randomised controlled trial. *Internet Interventions*, 25, 100434. <https://doi.org/10.1016/j.invent.2021.100434>

Rosyada, D. (2020). *Penelitian Kualitatif Untuk Ilmu Pendidikan*. Prenada Media.

Saad, A., & Zainudin, S. (2022). A review of Project-Based Learning (PBL) and Computational Thinking (CT) in teaching and learning. *Learning and Motivation*, 78, 101802. <https://doi.org/10.1016/j.lmot.2022.101802>

Safaruddin, S., Ibrahim, N., Juhaeni, J., Harmilawati, H., & Qadrianti, L. (2020). The Effect of Project-Based Learning Assisted by Electronic Media on Learning Motivation and Science Process Skills. *Journal of Innovation in Educational and Cultural Research*, 1(1), 22–29. <https://doi.org/10.46843/jiecr.v1i1.5>

Santos, C., Rybska, E., Klichowski, M., Jankowiak, B., Jaskulska, S., Domingues, N., Carvalho, D., Rocha, T., Paredes, H., Martins, P., & Rocha, J. (2023). Science education through project-based learning: a case study. *Procedia Computer Science*, 219, 1713–1720. <https://doi.org/10.1016/j.procs.2023.01.465>

Santayasa, I. W., Rapi, N. K., & Sara, I. W. W. (2020). Project Based Learning and Academic Procrastination of Students in Learning Physics. *International Journal of Instruction*, 13(1), 489–508. <https://doi.org/10.29333/iji.2020.13132a>

Saraswati, D. L., Azizah, R. N., Dasmu, D., Okyranida, I. Y., Sumarni, R. A., Mulyaningsih, N. N., & Rangka, I. B. (2018). Development of web-based and E-Learning media for physics learning materials in senior high school: a pilot study. *Journal of Physics: Conference Series*, 1114, 012025. <https://doi.org/10.1088/1742-6596/1114/1/012025>

Schiering, D., Sorge, S., Tröbst, S., & Neumann, K. (2023). Course quality in higher education teacher training: What matters for pre-service physics teachers' content knowledge development? *Studies in Educational Evaluation*, 78. <https://doi.org/10.1016/j.stueduc.2023.101275>

Seibert, S. A. (2021). Problem-based learning: A strategy to foster generation Z's critical thinking and perseverance. *Teaching and Learning in Nursing*, 16(1), 85–88. <https://doi.org/10.1016/j.teln.2020.09.002>

Shabur, Md. A., & Siddiki, Md. R. (2024). Investigating social media's impact on the new era of interactive learning: A case study of Bangladesh. *Heliyon*, 10(4), e26234. <https://doi.org/10.1016/j.heliyon.2024.e26234>

Splichal, J. M., Oshima, J., & Oshima, R. (2018). Regulation of collaboration in project-based learning mediated by CSCL scripting reflection. *Computers & Education*, 125, 132–145. <https://doi.org/10.1016/j.compedu.2018.06.003>

- Stone, C. (2019). Online learning in Australian higher education: Opportunities, challenges and transformations. *Student Success*, 10(2), 1–11.
- Studi, P., Fisika, P., Murdani, E., & Suhandi, A. (2021). *Redesain Pembelajaran IPA yang Adaptif di Maa Pandemi Covid-19" Palembang*.
- Sukma Dewi, P. (n.d.). *E-Learning: Project Based Learning Pada Mata Kuliah Pengembangan Kurikulum dan Silabus. Z.A. Pagar Alam*, 05(02), 1332–1340.
- Susilawati, E., Agustinasari, A., Samsudin, A., & Siahaan, P. (2020). Analisis Tingkat Keterampilan Berpikir Kritis Siswa SMA. *Jurnal Pendidikan Fisika Dan Teknologi*, 6(1), 11–16. <https://doi.org/10.29303/jpft.v6i1.1453>
- Tadesse, A., Lehesvuori, S., Posti-Ahokas, H., & Moate, J. (2023). The learner-centred interactive pedagogy classroom: Its implications for dialogic interaction in Eritrean secondary schools. *Thinking Skills and Creativity*, 50, 101379. <https://doi.org/10.1016/j.tsc.2023.101379>
- Tatto, M. T. (2021). Professionalism in teaching and the role of teacher education. *European Journal of Teacher Education*, 44(1), 20–44. <https://doi.org/10.1080/02619768.2020.1849130>
- Tran, T. N. A., & Nguyen Ngoc, T. (2023). Mobile E-Portfolios on Google Sites: A Tool for Enhancing Project-Based Learning. *International Journal of Interactive Mobile Technologies (IJIM)*, 17(11), 15–33. <https://doi.org/10.3991/ijim.v17i11.39673>
- Umam, H. I., & Jiddiyah, S. H. (2020). Pengaruh Pembelajaran Berbasis Proyek Terhadap Keterampilan Berpikir Kreatif Ilmiah Sebagai Salah Satu Keterampilan Abad 21. *Jurnal Basicedu*, 5(1), 350–356. <https://doi.org/10.31004/basicedu.v5i1.645>
- Wachsman, U., Shelef, I., Lior, Y., & Ben-Arie, G. (2023). The impact of interactive clinically-based learning on the performance of medical students in radiology. *European Journal of Radiology Open*, 10, 100493. <https://doi.org/10.1016/j.ejro.2023.100493>
- Widiana, I. W. (2022). Dampak Penggunaan *E-Learning* Berbasis Asesmen Proyek Terhadap Kemandirian Belajar dan Hasil Belajar Siswa Selama Pandemi Covid-19. *Jurnal Penelitian Dan Pengembangan Pendidikan*, 6(2), 162–172. <https://doi.org/10.23887/jppp.v6i2.48850>
- Yusuf, D. S. A., Rahman, M. H., Saprudin, & Hamid, F. (2023). Development of Teaching Materials related Magnetic Field Based on the Google Sites Assisted Learning Cycle Model. *Islamic Journal of Integrated Science Education (IJISE)*, 2(2), 111–123. <https://doi.org/10.30762/ijise.v2i2.1525>
- Zakariah, M. A., Afriani, V., & Zakariah, K. H. M. (2020). *METODOLOGI PENELITIAN KUALITATIF, KUANTITATIF, ACTION RESEARCH*,

*RESEARCH AND DEVELOPMENT (R n D)*. Yayasan Pondok Pesantren Al Mawaddah Warrahmah Kolaka.

<https://books.google.co.id/books?id=k8j4DwAAQBAJ>

Zhang, Y., Zhang, X., & Meng, Z. (2024). Effect of interactive immediacy on online learning satisfaction of international students in Chinese universities: The chain mediating role of learning interest and academic engagement. *Acta Psychologica*, 244, 104202. <https://doi.org/10.1016/j.actpsy.2024.104202>



*Intelligentia - Dignitas*