

DAFTAR RUJUKAN

- Ardana, I. M., Lasmawan, I. W., & Suma, K. (2025). Enhancing geometry understanding through illustrated storybooks based on local wisdom: A developmental study for elementary school students [Article]. *Perinatal Journal*, 33(2), 343-352. <https://doi.org/10.57239/prn.25.03320039>
- Astawan, I. G., Margunayasa, I. G., Jayanti, L. S. S. W., Fakhriyah, F., & Deng, J. (2025). THE IMPACT OF PROBLEM-BASED LEARNING ON REDUCING SCIENCE MISCONCEPTIONS AND ENHANCING SCIENTIFIC LITERACY: INTEGRATING BALINESE LOCAL WISDOM AND COGNITIVE STYLE [Article]. *Jurnal Pendidikan IPA Indonesia*, 14(3), 522-535. <https://doi.org/10.15294/jpii.v14i3.25083>
- Akumbu, R. V. (2024). Enhancing Student Interest and Motivation Through Cultural Integration in an Online Global Science, Technology, Engineering and Mathematics Community. *Communications in Computer and Information Science*, https://doi.org/10.1007/978-3-031-76332-8_5
- Amini, R. (2020). The effect of integrated science learning based on local wisdom to increase the students competency. *Journal of Physics: Conference Series*, <https://doi.org/10.1088/1742-6596/1470/1/012028>
- Anwar, L., Sa'Dijah, C., Hidayah, I. R., & Abdullah, A. H. (2024). Integrating local wisdom and project-based learning to enhance critical thinking, collaboration, and creativity in mathematics education: A pilot study with eighth grade students in Malang. *AIP Conference Proceedings*, <https://doi.org/10.1063/5.0241446>
- Anwar, L., Sa'Dijah, C., Hidayah, I. R., & Abdullah, A. H. (2024). Integrating
- Arif, S. (2021). Incorporating Student-Centered Learning in an Ecosystems Course [Article]. *Journal of College Science Teaching*, 51(2), 41-45. <https://doi.org/10.1080/0047231X.2021.12290547>
- Arjaya, I. B. A., Suastra, I. W., Redhana, I. W., & Sudiatmika, A. A. I. A. R. (2024). Global Trends in Local Wisdom Integration in Education: A Comprehensive Bibliometric Mapping Analysis from 2020 to 2024 [Article]. *International Journal of Learning, Teaching and Educational Research*, 23(7), 120-140. <https://doi.org/10.26803/ijlter.23.7.7>
- Arnyana, I. B. P., Sadia, I. W., Suma, I. K., & Divayana, D. G. H. (2017). Determination of effectiveness of evaluation results on school culture and character of junior high school students using character assessment instruments with the local wisdom of bali based on mobile phone [Article]. *Journal of Theoretical and Applied Information Technology*, 95(20), 5348-5359. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85032797223&partnerID=40&md5=9c48525974e19e47d24388655401a6cd>
- Abruscato J, (1997), Teaching children science. London: Allyn & Bacon. Adnyana, K. S., & Yudaparmita, G. N. A. (2023). Peningkatan Minat Belajar IPA
- Ahmad Jupri. (2019). Kearifan Lokal Untuk Konservasi Mata Air. Mataram:

LPPM Unram Press.

- Ainanur, N. (2022). Pengembangan Perangkat Pembelajaran Literasi Sains Berbasis Kearifan Lokal di SDN Panton Luas Baru Aceh Selatan. UIN Ar-Raniry.
- Aka, K. A. (2016). Model Quantum Teaching dengan Pendekatan Cooperative Learning untuk Meningkatkan Kualitas Pembelajaran PKn. *Pedagogia: Jurnal Pendidikan*, 5(1), 35–46. <https://doi.org/10.21070/pedagogia.v5i1.87>
- Ali, M. (2020). Pembelajaran Bahasa Indonesia Dan Sastra (Basastra) Di Sekolah dasar. *PERNIK: Jurnal Pendidikan Anak Usia Dini*, 3(1), 35–44. <https://doi.org/10.31851/pernik.v3i2.4839>
- Alkharusi, H. A., Al Sulaimani, H., & Neisler, O. (2019). Predicting Critical Thinking Ability of Sultan Qaboos University Students. *International Journal of Instruction*, 12(2), 491-50. <https://doi.org/10.29333/iji.2019.12231a>
- Amalia, A., Rini, C. P., & Amaliyah, A. (2021). Analisis Kemampuan Berpikir Kritis Siswa Kelas V Dalam Pembelajaran IPA Di Sdn Karang Tengah 11 Kota Tangerang. *Sibatik Journal: Jurnal Ilmiah Bidang Sosial, Ekonomi, Budaya, Teknologi, Dan Pendidikan*, 1(1), 33–44. <https://doi.org/10.54443/sibatik.v1i1.4>
- Andi, P. (2014). Pengembangan Bahan Ajar Tematik Tinjauan Teoritis dan Praktis. Jakarta: Kencana Prenadamedia Group.
- Asrial, A., Syahrial, S., Kurniawan, D. A., & Saputri, J. (2021). E-Module Based on Lokal Wisdom Ngubat Padi Improves Students' Social Care Character. *Jurnal Ilmiah Sekolah dasar*, 5(4), 579–587. <https://doi.org/10.23887/jisd.v5i4.36206>
- Atmaji, R. D., & Maryani, I. (2018). Pengembangan e-modul berbasis literasi sains materi organ gerak hewan dan manusia kelas V SD. *Fundamental Pendidikan Dasar*, 1(1), 28–34. <https://doi.org/10.12928/fundadikdas.v2i1.687>
- Ardana, I. M., Lasmawan, I. W., & Suma, K. (2025). Enhancing geometry understanding through illustrated storybooks based on local wisdom: A developmental study for elementary school students [Article]. *Perinatal Journal*, 33(2), 343-352. <https://doi.org/10.57239/prn.25.03320039>
- Arti, Y., & Ikhsan, J. (2020). The profile of Junior High School students' critical thinking skills and concept mastery level in local wisdom based on outdoor learning. *Journal of Physics: Conference Series*,
- Ayre, C., & Scally, A. J. (2014). Critical values for Lawshe's content validity ratio: Revisiting the original methods of calculation. *Measurement and Evaluation in Counseling and Development*, 47(1), 79-86.
- Azwar, Saifuddin. (2006). Reliabilitas, Validitas, Interpretasi dan Komputasi. Yogyakarta: Liberty
- Aldilha Yudha, S. F. (2019). Validity of student worksheet based on guided inquiry learning model assisted by digital practicum tool. *Journal of Physics: Conference Series*,

- Anwari, A., Nahdi, M. S., & Sulistyowati, E. (2016). Biological science learning model based on Turgo's local wisdom on managing biodiversity. AIP Conference Proceedings,
- Budiarti, R. S., & Harlis, D. N. (2020). High order thinking skills for biology education: Applied microbiology learning videos based on Jambi local wisdom [Article]. *Universal Journal of Educational Research*, 8(2), 689-694. <https://doi.org/10.13189/ujer.2020.080242>
- Barlian, U. C., & Solekah, S. (2022). Implementasi kurikulum merdeka dalam meningkatkan mutu pendidikan. *JOEL: Journal of Educational and Language Research*, 1(12), 2105–2118.
- Bedi, A. (2023). Keep Learning: Student Engagement in an Online Environment [Article]. *Online Learning Journal*, 27(2), 119-136. <https://doi.org/10.24059/olj.v27i2.3287>
- Benediktsson, A. I., & Tavares, V. (2025). Family-school cooperation in multicultural schools: a missing piece in teacher education in Norway [Article]. *Pedagogy, Culture and Society*, 33(4), 1261-1276. <https://doi.org/10.1080/14681366.2024.2356595>
- Bergeson, K. T. (2019). Reading Specialists Use Verbal Protocols as a Formative Assessment Tool [Article]. *Reading Teacher*, 73(2), 185-193. <https://doi.org/10.1002/trtr.1815>
- Byrne, L. B. (2016). *Learner-centered teaching activities for environmental and sustainability studies* [Book]. <https://doi.org/10.1007/978-3-319-28543-6>
- Benjamin, B. Marks, MK Demetrikopoulos, J. Rose, E. Pollard, A. Thomas, dan LL Muldrow, "Pengembangan dan validasi skala literasi sains untuk kesiapan perguruan tinggi di STEM dengan mahasiswa baru dari berbagai institusi," *Jurnal Sains Internasional dan Pendidikan Matematika*, vol. 15, hlm. 607-623, 2017. Tersedia di: <https://doi.org/10.33830/jmst.v10i1.572.2009>
- Bollen, K. A. (1989). The consequences of measurement error. *Structural Equations with Latent Variables*, John Wiley & Sons, Inc., 151-178. <https://doi.org/10.1002/9781118619179.ch5>
- Bruner, J. S. (1966). *Toward a Theory of Instruction*. Cambridge, MA: Harvard University Press.
- Burhana, A., Octavianti, D., Anggraheni, L. M. R., Ashariyanti, N. D., & Mardani, P. A. A. (2021). Model Problem Based Learning (PBL) Untuk Meningkatkan Cara Berpikir Kritis Siswa di Sekolah dasar. *SNHRP*, 302–307. <https://doi.org/10.17509/md.v13i2.9500>
- Bybee, R. W. (2016). *The Case for STEM Education: Challenges and Opportunities*. NSTA Press.
- Berbantuan Media Gambar Pada Siswa Sekolah dasar. *Edukasi: Jurnal Pendidikan Dasar*, 4(1), 61–70.
- Chen, Y.-U. H. (2007). The role of culture in an EFL curriculum of the 21st century. *Selected Papers from the Sixteenth International Symposium on English Teaching* (pp. 119-129). Taipei, Taiwan: Crane
- Chugh, K. L., & Ram Mohan Rao, P. (2018). Implementation of active learning strategies at MLR institute of technology, Hyderabad - A best practice [Article]. *Journal of Engineering Education Transformations*, 32(1), 79-84.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85058377467&partnerID=40&md5=63f8527d02f7031dc12ae6ad3ea7f826>

- Danuri, & Maisaroh, S. (2019). Metodologi Penelitian Pendidikan. Samudra Biru (Anggota Biru).
- Dewi, R. K., Rahayu, S., Sumarni, W., Muntholib, M., & Alsulami, N. M. (2026). Socioscientific issues based on local wisdom in science education: A systematic review [Review]. *Multidisciplinary Reviews*, 9(5), Article e2026206. <https://doi.org/10.31893/multirev.2026206>
- Daryanto, D. (2013). Menyusun modul bahan ajar untuk persiapan guru dalam mengajar. Yogyakarta: Gava Media.
- Depdikbud, R. I. (2002). Pembelajaran Kontekstual. Jakarta: Depdiknas RI.
- Depdiknas. (2006). Pengembangan model pendidikan kecakapan hidup. Jakarta Pusat.
- Dewi (2015). Proyek Buku Digital: Upaya Peningkatan Keterampilan Abad 21 Calon Guru Sekolah dasar Melalui Model Pembelajaran Berbasis Proyek Digital Book Project: An Effort to Improve 21st Century Skills for Prospective Elementary School Teachers Through Project-Based Learning Models, *Metod. Didakt. J. Pendidik. Ke-SD-An*, vol. 9, no. 2, <https://doi.org/10.17509/md.v9i2.3248>
- Eko Wahyudi, A. B., Salimi, M., Hidayah, R., Maigina, A., & Mahfuzah, A. (2025). E-Module Based on Local Wisdom to Strengthen Cultural Literacy and Critical Thinking [Article]. *Salud, Ciencia y Tecnologia - Serie de Conferencias*, 4, Article 1310. <https://doi.org/10.56294/sctconf20251310>
- Dewi, P. Y. A., Kusumawati, N., Pratiwi, E. N., Sukiastini, I. G. A. N. K., Arifin, M. M., Nisa, R., Widyasanti, N. P., & Kusumawati, P. R. D. (2021). Teori Dan Aplikasi Pembelajaran IPA SD/MI. Yayasan Penerbit Muhammad Zaini.
- Diestler, S. (1998). *Becoming A Critical Thinker: A Use Friendly manual*. Upper Saddle River, NJ: Prentice Hall.
- Dini, J. (2021). Pengembangan Model Pembelajaran Saintifik Berbasis Kearifan Lokal untuk Perkembangan Kognitif Anak Usia 5-6 Tahun. *Jurnal Obsesi: Jurnal Pendidikan Anak Usia Dini*, 5(2), 1557–1565.. <https://doi.org/10.31004/obsesi.v5i2.898>
- Ganesan, U. (2025). Evidence-based teaching interventions for emergent multilingual students in high school science classrooms: a literature review [Article]. *Discover Education*, 4(1), Article 41. <https://doi.org/10.1007/s44217-025-00423-8>
- Gulya, N., & Fehérvári, A. (2024). Fostering culturally responsive pedagogy related competencies among pre-service teachers: a systematic review of the recent research literature [Review]. *Research Papers in Education*, 39(2), 348-378. <https://doi.org/10.1080/02671522.2023.2228312>
- Egok, A. S., & Hajani, T. J. (2018). Multimedia Interaktif Pada Pembelajaran Ilmu Pengetahuan Alam (IPA). Prosiding Seminar Dan Diskusi Pendidikan Dasar.
- Eigenauer, J. (2024). Mindware: Critical Thinking in Everyday Life. *Journal of Intelligence*, 12(2), 17. <https://doi.org/10.3390/jintelligence12020017>

- Eni. (1967). No Title No Title No Title. In *Angewandte Chemie International Edition*, 6(11), 951–952. (Issue Mi).
- Ennis, R. H. (1985). A logical basis for measuring critical thinking skills.
- Ennis, R. H. (2015). Critical thinking: A streamlined conception. In *The Palgrave handbook of critical thinking in higher education* (pp. 31–47). Springer.
https://doi.org/10.1057/9781137378057_2
- Facione, P. A. (2011). *Critical Thinking: What It Is and Why It Counts*. Insight Assessment.
- Fathurrochman, I., Monita, D., & Hasan, M. F. (2025). Integration of local wisdom in elementary school local content curriculum: A study in rural areas of Indonesia [Article]. *Curriculum Journal*. <https://doi.org/10.1002/curj.70029>
- Facione, Peter A. 2020. *Advancing Thinking Worldwide, Critical Thinking: What It Is and Why It Counts*. Vol. XXVIII.
- Fatmawati, F., & Yusrizal, Y. (2021). Analysis of the Utilization of Nature as a Learning Media in the Covid-19 Pandemic Era. *Budapest International Research and Critics Institute-Journal (BIRCI-Journal)*, 4(4), 8150–8154.
- Febriati, Y., Sholahuddin, A., & Ajizah, A. (2021). Pengembangan Modul IPA SMP Berbasis Literasi Sains Dengan Kearifan Lokal Pada Materi Proses dan Produk Teknologi Ramah Lingkungan. *Jurnal Pendidikan Sains Dan Terapan (JPST)*, 1(1), 64–76. <https://doi.org/10.24127/jpf.v3i1.21>
- Feldman, D. A. (2002). *Critical Thinking*. United States: Von Hoffmann Graphics, Inc.
- Florea, N. M., & Hurjui, E. (2015). Critical thinking in elementary school children. *Procedia-Social and Behavioral Sciences*, 180, 565–572.
<https://doi.org/10.1016/j.sbspro.2015.02.161>
- Fraenkel, J. R., Wallen, N. E., & Hyun, H. H. (2012). *How to design and evaluate research in education* (Vol. 7). McGraw-hill New York.
- Fuadi, H., Robbia, A. Z., Jamaluddin, J., & Jufri, A. W. (2020). Analisis Faktor Penyebab Rendahnya Kemampuan Literasi Sains Peserta Didik. *Jurnal Ilmiah Profesi Pendidikan*, 5(2), 108–116.
<https://doi.org/10.29303/jipp.v5i2.122>
- Hadi, A.C.S. (2006). Melestarikan Kearifan Masyarakat Tradisional (Indigenous Knowledge). *Buletin Perpustakaan dan Informasi Bogor*. Volume 1, Nomer 2
- Hake, R. R. (1998). Interactive-engagement versus traditional methods: A six-thousand-student survey of mechanics test data for introductory physics courses. *American Journal of Physics*, 66(1), 64–74.
- Hakin, I., & Zuryanty, Z. (2023). Peningkatan Hasil Belajar Peserta Didik Pada Tematik Terpadu Menggunakan Model Cooperative Learning Tipe Make A Match Di Kelas IV SDN 08 Tarung-Tarung Selatan Pasaman. *Innovative: Journal Of Social Science Research*, 3(2), 6542–6551.
- Halpern, D. F. (2014). *Thought and Knowledge: An Introduction to Critical Thinking* (5th ed.). New York: Psychology Press.
- Hamdani, S. B. M. (2011). Bandung: Cv. Pustaka Setia.
- Hasanah, J., Jamaludin, J., & Prayitno, G. H. (2019). *Bahan Ajar IPA Berbasis*

- Inkuiri Terstruktur Untuk Meningkatkan Literasi Sains Peserta Didik SMP. *Jurnal Pijar MIPA*. <https://doi.org/10.29303/jpm.v14i2.1254>
- Hasanah, N. (2023). Peningkatan Kompetensi Kepribadian Dan Sosial Guru Berbasis Kearifan Lokal (Studi Analisis pada Sekolah di Daerah Tertinggal). CV Literasi Nusantara Abadi.
- Hastuti, P. W., Setianingsih, W., & Anjarsari, P. (2020). How to develop students' scientific literacy through integration of local wisdom in Yogyakarta on science learning? *Journal of Physics: Conference Series*,
- Hasna, N. (2023). Pengembangan modul pembelajaran ips materi sosial budaya berbasis kearifan lokal. *Mubtadi: Jurnal Pendidikan Ibtidaiyah*, 4(2), 162–176.
- Henson R.K., & Roberts J. K. (2006) Use of Exploratory Factor Analysis in Published Research: Common Errors and Some Comment on Improved Practice. *Educational and Psychological Measurement*. 66(3).
- Hidayat, R., & Abdillah, A. (2019). *Ilmu Pendidikan: Konsep, Teori Dan Aplikasinya*.
- Hikmawati., Gunawan., Haerunisyah S., Kosim. (2021). Effect of Lokal Culture-Based Learning in Science on Critical Thinking and Student
- Hikmawati, H., Gunawan, G., Sahidu, H., & Kosim, K. (2021). Effect of Local Culture Based Learning in Science on Critical Thinking and Student Communication Skills. *Journal of Science and Science Education*, 2(1), 8–16. <https://doi.org/10.29303/jossed.v2i1.713>
- Hoaglund, J. (1999). *Critical Thinking*. Newport News, VA: Vale Press.
- Hopkins, Charles D dan Antes, Richard L. (1999). *Classroom Measurement and Evaluation*. Illionis, F.E. Peacock
- Hunaepi, H., Suastra, I. W., Arnyana, I. B. P., & Hasbullah, H. (2024). Ethnoscience: Mapping the potential of Sasak local wisdom as a source of science learning. *R & D Journal*. Scopus-indexed.
- INDONESIA, P. R. (2006). Undang-undang Republik Indonesia nomor 20 tahun 2003 tentang sistem pendidikan nasional.
- Indonesia, p. R. (2011). Undang-undang republik indonesia nomor 32 tahun 2009. 2(5), 255.
- Irianto, A.M. (2010). Mahasiswa dan Kearifan Lokal Makalah dalam Saresehan Kearifan Lokal Provinsi Jawa Tengah. Semarang: Badan Kesbangpol dan Limnas prov. Jateng. <http://semangatbelajar.com/mahasiswa-dan-kearifan-lokal><https://doi.org/10.30641/kumhampress.76>
- Ismail, S. N., Muhammad, S., Omar, M. N., & Shanmugam, S. K. S. (2022). The Practice of Critical Thinking Skills in Teaching Mathematics: Teachers' Perception and Readiness. *Malaysian Journal of Learning and Instruction*, 19(1), 1–30. <https://doi.org/10.32890/mjli2022.19.1>
- Ilhami, A., Riandi, R., & Sriyati, S. (2019). Implementation of science learning with local wisdom approach toward environmental literacy. *Journal of Physics: Conference Series*,
- Ismail, I. A., Lufri, L., Mawardi, M., & Insani, M. (2026). Culturally responsive science education through ethnoscience: A meta-analysis of impact on

- junior high school students [Article]. *Multidisciplinary Reviews*, 9(1), Article e2026004. <https://doi.org/10.31893/MULTIREV.2026004>
- Juhji, J. (2015). Pendekatan Saintifik dalam Pembelajaran IPA di Madrasah Ibtidaiyah. *Primary: Jurnal Keilmuan Dan Kependidikan Dasar*, 7(1), 43–58.
- Janor, H., Rahim, R. A., Rahman, A. A., Auzairy, N. A., Hashim, N. A., & Yusof, M. Z. (2013). Integrating student-centered learning in finance courses: The case of a malaysian research university [Article]. *International Education Studies*, 6(6), 108-123. <https://doi.org/10.5539/ies.v6n6p108>
- Jegstad, K. M., Heggernes, S. L., Jøsok, E., Ryen, E., Svanes, I. K., & Tørnby, H. (2025). Approaches to critical thinking in primary education classrooms: A systematic review. *Educational Research Review*, 48, 100711. <https://doi.org/https://doi.org/10.1016/j.edurev.2025.100711>
- Kurniawan, W., & Basuki, F. R. (2024). Ethnoscience learning: how do teacher implementing to increase scientific literacy in junior high school [Article]. *International Journal of Evaluation and Research in Education*, 13(3), 1719-1730. <https://doi.org/10.11591/ijere.v13i3.26180>
- Kasse, F., & Atmojo, I. R. W. (2022). Analisis Kecakapan Abad 21 Melalui Literasi Sains Pada Siswa Sekolah dasar. *Jurnal Education and Development*, 10(1), 124–128.
- Kawuryan, S. P., Sayuti, S. A., Aman, & Dwiningrum, S. I. A. (2021). Teachers quality and educational equality achievements in indonesia. *International Journal of Instruction*, 14(2). <https://doi.org/10.29333/iji.2021.14245a>
- Kelana, J. B., & Pratama, D. F. (2019). Bahan ajar IPA berbasis literasi sains. Bandung: Lekkas.
- Kemendikbudristek BSKAP. (2022). Salinan Keputusan Kepala Badan Standar, Kurikulum, dan Asesmen Pendidikan, Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi Nomor 008/H/KR/2022 Tentang Capaian Pembelajaran Pada Pendidikan Anak Usia Dini Jenjang Pendidikan Dasar dan Jenjang Pendid. In Kemendikbudristek BSKAP RI (Issue 021).
- Kementerian Kesehatan RI. (2017). Tumbuhan Obat sebagai Warisan Budaya Nusantara. Jakarta: Pusat Data dan Informasi Kemenkes.
- Kim, H. J., Yi, P., & Hong, J. I. (2020). Students' academic use of mobile technology and higher-order thinking skills: The role of active engagement. *Education Sciences*, 10(3). <https://doi.org/10.3390/educsci10030047>
- Kumala, F. N. (2016). Pembelajaran IPA Sekolah dasar (MJ Mhirda (ed.). Penerbit Ediide Infografika.
- Kelley, H. M., Siwatu, K. O., Tost, J. R., & Martinez, J. (2015). Culturally familiar tasks on reading performance and self-efficacy of culturally and linguistically diverse students [Article]. *Educational Psychology in Practice*, 31(3), 293-313. <https://doi.org/10.1080/02667363.2015.1033616>
- Khusniati, M. (2017). Local wisdom-based science learning model through reconstruction of indigenous science to improve student's conservationist

- character [Article]. *Journal of Turkish Science Education*, 14(3), 16-23. <https://doi.org/10.12973/tused.10202a>
- Lawshe, C. H. (1975). A quantitative approach to content validity. *Personnel psychology*, 28(4), 563-575.
- Lestari, N., P., & Suyanto, S. (2024). A systematic literature review about local wisdom and sustainability: Contribution and recommendation to science education. *Eurasia Journal of Mathematics, Science and Technology Education*, 20(2), 1–19. (scopus) <https://doi.org/10.29333/ejmste/14152>
- Lestari, T. & Hasanah, N. (2018). Pemanfaatan tanaman obat keluarga dalam pembelajaran IPA SD berbasis lingkungan. *Jurnal Ilmu Pendidikan dan Humaniora*, 6(2), 75–82.
- Leton, S. I., Lakapu, M., Dosinaeng, W. B. N., & Fitriani, N. (2025). Integrating local wisdoms for improving students' mathematical literacy: The promising context in learning whole numbers. *Infinity Journal*, 14(2), 369–392. <https://doi.org/10.22460/infinity.v14i2.p369-392>
- Lavanya, S., & Balavijayalakshmi, J. (2025). Impact of Outcome-Based Education Curriculum: Design and Delivery Approach. In *Transformations and Changing Perspectives in Higher Education: India's Last Decade* (pp. 111-116). <https://doi.org/10.4324/9781003545828-14>
- Lisdiyono, E. (2017). Exploring the strength of local wisdom in efforts to ensure the environmental sustainability [Article]. *International Journal of Civil Engineering and Technology*, 8(11), 340-347. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85036584018&partnerID=40&md5=b546e241a775f1a15a13b91f3de59693>
- Leton, S. I., Lakapu, M., Dosinaeng, W. B. N., & Fitriani, N. (2025). Integrating local wisdoms for improving students' mathematical literacy: The promising context in learning whole numbers [Article]. *Infinity Journal*, 14(2), 369-392. <https://doi.org/10.22460/infinity.v14i2.p369-392>
- Maghribi, A. N., & Sidik, A. (2023). Analisis Profil Pelajar Pancasila dalam Bahan Ajar IPA Materi Pencemaran Lingkungan Guna Mendukung Education for Sustainable Development. *Jurnal Tadris IPA Indonesia*, 3(1), 55–68.
- Mahanal, S., Zubaidah, S., Sumiati, I. D., Sari, T. M., & Ismirawati, N. (2019). RICOSRE: A Learning Model to Develop Critical Thinking Skills for Students with Different Academic Abilities. *International Journal of Instruction*, 12(2), 417-434.
- Mardison, S. (2017). Perkembangan bahasa anak usia sekolah dasar/madrasah ibtidaiyah (SD/MI). *Tarbiyah Al-Awlad: Jurnal Kependidikan Islam Tingkat Dasar*, 7(2).
- Marheni, E., Afrizal, S., & Purnomo, E. (2019). Application of Character Building With Physical Education (CBPE). *Suluah Bendang: Jurnal Ilmiah Pengabdian Kepada Masyarakat*, 20(1), 46–53.
- Mariana, I. M. A., & Praginda, W. (2009). *Hakikat IPA dan pendidikan IPA*. Bandung: PPPPTK IPA.
- Maulida, U. (2022). Pengembangan Modul Ajar Berbasis Kurikulum Merdeka.

- Tarbawi, 5 (2), 130–138.
- McAlpine, M. (2002a). A Summary of Methods of Item Analysis (Issue 2). University of Glasgow.
- McAlpine, M. (2002b). A summary of methods of item analysis. Bluepaper Number 2. Computer Assisted Assessment Centre. University of Glasgow: Robert Clark Centre for Technological Education.
- Mostafa, T. (2020). PISA 2018 Results: Are Students Ready to Thrive in an Interconnected World? In OECD, PISA (pp. 1–426).
- Muflihah, Y. (2021). Proses Berpikir Peserta Didik Dalam Menyelesaikan Soal Higher Order Thinking Skills Ditinjau Dari Intelligence Quotient Dan Gender. Universitas Siliwangi.
- Mulatsih, D., Yamtinah, S., & Matsuri, M. (2023). The Use of Lokal Wisdom-Based Media To Improve Critical Thinking. *Jurnal Penelitian Pendidikan IPA*, 9(10), 7987–7992.
- Musaddat, S., Suarni, N. K., Dantes, N., Putrayasa, I. B., & Dantes, G. R. (2021). Kelayakan Pengembangan Bahan Ajar Digital Berkearifan Lokal Sebagai Bahan Literasi Bahasa Berbasis Kelas serta Pengaruhnya terhadap Karakter Sosial dan Keterampilan Berbahasa Siswa Sekolah Dasar. *Jurnal Ilmiah Mandala Education*, 7(3). <https://doi.org/10.36312/jime.v7i3.2123>
- Mashami, R. A., Ahmadi, & Pahriah. (2025). Green chemistry and cultural wisdom: A pathway to improving scientific literacy among high school students. *Social Sciences & Humanities Open*, 11, 101653. <https://doi.org/https://doi.org/10.1016/j.ssaho.2025.101653>
- Mercan Kucukakın, P., Yildirim Tasti, O., Cobanoglu, R., Gokmenoglu, T., & Akcaoglu, M. O. (2025). Embracing Diversity in the Classroom: Teachers' Perceptions on Culturally Responsive Classroom Practices in Türkiye [Article]. *Education and Urban Society*, 57(7), 699-730. <https://doi.org/10.1177/00131245251334358>
- Margunayasa, I. G., Dantes, N., Marhaeni, A. A. I. N., & Suastra, I. W. (2019). The effect of guided inquiry learning and cognitive style on science learning achievement [Article]. *International Journal of Instruction*, 12(1), 737-750. <https://doi.org/10.29333/iji.2019.12147a>
- Nguyen, D. D., Vu, H. N., Nguyen, X. T. T., Do, S. N. N., Nguyen, A. M., & Nguyen, B. V. (2025). Simulations of the Nem Con Folk Game: Embedding Local Wisdom into Science Education through Modeling [Article]. *International Journal of Information and Education Technology*, 15(11), 2383-2393. <https://doi.org/10.18178/ijiet.2025.15.11.2434>
- Nadia MF., Elena H. (2015). Critical thinking in elementary school children; Spiru Haret University, Faculty of Psychology and Pedagogy, 7 Turnului, Brasov, Romania 565 – 572.
- Naga, Dali. S. Pengantar. (2002). Teori Skor pada Pengukuran Pendidikan. Jakarta: Gunadarma
- Nasihin, S., Efendi, S., & Rasyidi, A. H. (2024). Exploring Islamic Spiritual Insights in the Media and Traditional Medicine Methods of the Sasak Community. *Path of Science*, 10(5), 5001–5006.
- Nicky Nadila, N., Sripit Widiastuti, N., & Adin Fauzi, N. (2023). Pengembangan

- Buku Ajar Ide Pokok Berbasis Potensi Lokal Pantai Tambakrejo Menggunakan Model Scramble Untuk Siswa Kelas IV SD. *Madako Elementary School*, 2(2), 110–120. <https://doi.org/10.56630/mes.v2i2.207>
- Nieto, S. (2007). *Affirming diversity: The sociopolitical context of multicultural education* (5th ed.). Boston: Pearson education.
- Nieveen, N. (1999). Prototyping to Reach Product Quality BT - Design Approaches and Tools in Education and Training (J. van den Akker, R. M. Branch, K. Gustafson, N. Nieveen, & T. Plomp (eds.); pp. 125–135). Springer Netherlands. https://doi.org/10.1007/978-94-011-4255-7_10
- Nishimura, M., Yamano, T., & Sasaoka, Y. (2008). Impacts of the universal primary education policy on educational attainment and private costs in rural Uganda. *International Journal of Educational Development*, 28(2), 161–175.
- Nitko, A. J., & Brookhart, S. M. (2014). *Educational Assessment of Students: Sixth Edition*. In Pearson New International Edition. United States of America: Pearson Education.
- Nofiana, M., & Julianto, T. (2017). Profil Kemampuan Literasi Sains Siswa SMP di Kota Purwokerto Ditinjau dari Aspek Konten, Proses, dan Konteks Sains. *JSSH (Jurnal Sains Sosial Dan Humaniora)*, 1(2), 77. <https://doi.org/10.30595/jssh.v1i2.1682>
- Nomba, S., Uno, H., & Kaku, A. (2018). Pengaruh Model Pembelajaran Penemuan Terbimbing Terhadap Kemampuan Generalisasi Matematis Peserta Didik Ditinjau Dari Gaya Kognitif Peserta Didik (Suatu Eksperimen Di Kelas VIII SMP Negeri 1 Kabila). *Jurnal Pascasarjana*, 2(2), 303–307.
- Novitasari, L., Agustina, P. A., Sukesti, R., Nazri, M. F., & Handhika, J. (2017). Fisika, etnosains, dan kearifan lokal dalam pembelajaran sains. *Prosiding SNPF (Seminar Nasional Pendidikan Fisika)*, 81–88.
- Nurafni, A., Pujiastuti, H., & Mutaqin, A. (2020). Pengembangan bahan ajar trigonometri berbasis kearifan lokal. *Journal of Medives: Journal of Mathematics Education IKIP Veteran Semarang*, 4(1), 71–80.
- Nurdyansyah, N. (2018). *Pengembangan Bahan Ajar Modul Ilmu Pengetahuan Alam bagi Siswa Kelas IV Sekolah dasar*. Sidoarjo: Universitas Muhammadiyah Sidoarjo.
- Nurhayati, N., & Rustaman, N. Y. (2020). Pengembangan model pembelajaran IPA berbasis inkuiri terbimbing untuk meningkatkan kemampuan berpikir ilmiah siswa SD. *Jurnal Pendidikan IPA Indonesia*, 9(1), 20–31.
- Nurmaulinda, N. (2022). *Pengobatan tradisional bebubus mangkung di Dusun Tutuk Desa Jerowaru Kecamatan Jerowaru Kabupaten Lombok Timur*. UIN Mataram.
- Nuro, F. R. M., & Suwandayani, B. I. (2020). Penerapan Literasi Sains di Kelas IV Sekolah dasar. *Jurnal Pemikiran Dan Pengembangan Sekolah dasar*, 8(2), 179–187.
- Nurrahmi, R. (2018). Pengembangan modul berbasis kearifan lokal Daerah Istimewa Yogyakarta untuk siswa kelas III Sekolah dasar. *BASIC EDUCATION*, 7(17), 1–627.

- Nygren, T., Haglund, J., Samuelsson, C. R., Af Geijerstam, Å., & Prytz, J. (2019). Critical thinking in national tests across four subjects in Swedish compulsory school. *Education Inquiry*, 10(1), 56–75. <https://doi.org/10.1080/20004508.2018.1475200>
- Nguyen, D. D., Vu, H. N., Nguyen, X. T. T., Do, S. N. N., Nguyen, A. M., & Nguyen, B. V. (2025). Simulations of the Nem Con Folk Game: Embedding Local Wisdom into Science Education through Modeling [Article]. *International Journal of Information and Education Technology*, 15(11), 2383-2393. <https://doi.org/10.18178/ijiet.2025.15.11.2434>
- Nugroho, O. F., Permanasari, A., & Firman, H. (2019). STEM approach based on local wisdom to enhance sustainability literacy. *AIP Conference Proceedings*,
- OECD (2023), *PISA 2022 Results (Volume I): The State of Learning and Equity in Education*, PISA, OECD Publishing, Paris, <https://doi.org/10.1787/53f23881-en>.
- OECD. (2016). *PISA 2015 Assessment and Analytical Framework*. OECD Publishing.
- Ofianto, Rusdi, Aisiah, Yefterson, R. B., Ningsih, T. Z., Syahputra, M. A. D., & Karima, E. M. (2024). Local wisdom-based assessment of historical thinking
- Özelçi, S. Y., & Çalışkan, G. (2019). What is critical thinking? A longitudinal study with teacher candidates. *International Journal of Evaluation and Research in Education*, 8(3), 495–509. <https://doi.org/10.11591/ijere.v8i3.20254>
- Peppen, L. M. V., Verkoeijen, P. P. J. L., Heijltjes, A. E. G., Janssen, E. M., Koopmans, D., & Gog, T. V. (2018). Effects of Self-Explaining on Learning and Transfer of Critical Thinking Skills. *Frontiers in Education*, 3(November), 1–11. <https://doi.org/10.3389/feduc.2018.00100>
- Permanasari, A. (2011). Pembelajaran Sains: Wahana potensial untuk membelajarkan soft skill dan karakter. *Seminar Nasional Pendidikan IPA Universitas Lampung*.
- Prastowo, A. (2018). *Sumber belajar dan pusat sumber belajar: Teori dan Aplikasinya di Sekolah/Madrasah*. Kencana.
- Pujiastuti, A. U. (2021). Validitas Modul Berbasis Kearifan Lokal Kabupaten Tuban Bagi Siswa Kelas IV Sekolah dasar. *Jurnal Pendidikan Dasar Nusantara*, 7(1), 82–99.
- Pujiono, S. (2012). Berpikir kritis dalam literasi membaca dan menulis untuk memperkuat jati diri bangsa. *Prosiding PIBSI XXXIV*, 778–783.
- Purwanti, S. (2018). Analisis Ragam Kesulitan Belajar IPA Kelas V SD Negeri Jombor. *Prosiding University Research Colloquium*, 58–67.
- Purwasi, L. A., & Fitriyana, N. (2020). Pengembangan Lembar Kerja Peserta Didik (LKPD) Berbasis Higher Order Thinking Skill (HOTS).
- AKSIOMA: Jurnal Program Studi Pendidikan Matematika, 9(4), 894–908.
- Putra, H.S.A. (2011). *Jejak Sastra dan Budaya*. Prosiding Seminar Internasional Persembahan untuk 70 Tahun Prof. Dr. Siti Chamamah Doeratno. Jogjakarta: Elmater

- Putri, A. R., Wahyuni, D., Wulandari, N. P., & Masrul, M. (2024). Etnobotani Tradisi Bebusuk Suku Sasak: Kajian Etnografi dan Potensi Pembelajaran IPA. *Jurnal Pengabdian Magister Pendidikan IPA*, 8(1), 12–23..
- Putri, H., Putri, L. P. S. S., Hadawiyah, L., Fitri, A. D., & Kusuma, A. S. H. M. (2024). Etnobotani Tradisi Bebusuk Suku Sasak: Kajian Etnografi Harmonisasi Manusia-Alam untuk Mewujudkan SDGs di Pulau Lombok. *Jurnal Pengabdian Magister Pendidikan IPA*, 7(3), 915–922.
- Rahayu, M., Susan, D., Keim, A. P., Susiarti, S., & Sujarwo, W. (2021). The diversity of plant species used in traditional herbal massage oil in Indonesia. *Pacific Conservation Biology*. <https://doi.org/10.1071/PC21022>
- Rahdiyanta, D. (2016). Teknik penyusunan modul. Artikel.(Online) [Http://Staff.Uny.Ac.Id/Sites/Default/Files/Penelitian/Dr-Dwi-Rahdiyanta-Mpd/20-Teknik-Penyusunan-Modul.Pdf](http://Staff.Uny.Ac.Id/Sites/Default/Files/Penelitian/Dr-Dwi-Rahdiyanta-Mpd/20-Teknik-Penyusunan-Modul.Pdf). Diakses, 10.
- Rahmadayanti, D., & Hartoyo, A. (2022). Potret Kurikulum Merdeka, Wujud Merdeka Belajar di Sekolah Dasar. *Jurnal Basicedu*, 6(4), 7174–7187.
- Rahyono. (2017). Kearifan budaya dalam kata, edisi revisi.
- Ramdani, A., Jufri, A. W., & Jamaluddin, J. (2020). Pengembangan Media Pembelajaran Berbasis Android Pada Masa Pandemi Covid-19 Untuk Meningkatkan Literasi Sains Peserta Didik. *Jurnal Kependidikan Jurnal Hasil Penelitian Dan Kajian Kepustakaan Di Bidang Pendidikan Pengajaran Dan Pembelajaran*. <https://doi.org/10.33394/jk.v6i3.2924>
- Ramdiah, S., Abidinsyah, A., Royani, M., Husamah, H., & Fauzi, A. (2020). South Kalimantan Local Wisdom-Based Biology Learning Model. *European Journal of Educational Research*, 9(2), 639–65
- Rubio, D. M., Berg-Weger, M., Tebb, S. S., Lee, E. S., & Rauch, S. (2003). Objectifying content validity: Conducting a content validity study in social work research. *Social Work Research*, 27(2), 94-104.
- Rusliana, I. (2019). Kearifan Lokal Sebagai Sumber Hukum dalam Pengembangan Perundang-undangan Nasional. *Conference Proceeding ICONIMAD 2019 International Conference on Islam in Malay World IX*, 1(1), 390–401.
- Rati, N. W., Arnyana, I. B. P., Dantes, G. R., & Dantes, N. (2023). HOTS- Oriented e-Project-Based Learning: Improving 4C Skills and Science Learning Outcome of Elementary School Students [Article]. *International Journal of Information and Education Technology*, 13(6), 959-968. <https://doi.org/10.18178/ijiet.2023.13.6.1892>
- Ristanti, O., Suri, A., Choirudin, C., & Dinanti, L. K. (2020). Pendidikan Islam Dalam Sistem Pendidikan Nasional Telaah Terhadap UU No. 20 Tahun 2003. *Tawazun: Jurnal Pendidikan Islam*, 13(2), 152-159. <https://doi.org/DOI:10.32832/tawazun.v13i2.2826>
- Rosyidah, F., Susantini, E., Yuliani, Y., & Nisa', K. (2025). LOCAL WISDOM AND STEM IN SCIENCE EDUCATION TO SUPPORT SDG-4: A SYSTEMATIC REVIEW [Article]. *Jurnal Pendidikan IPA Indonesia*, 14(4), 654-666, Article 34450. <https://doi.org/10.15294/jpii.v14i4.34450>
- Ramdani, A., Jufri, A. W., Fahrurrozi, M., & Yustiqvar, M. (2021). Analysis of students' critical thinking skills in terms of gender using science teaching

- materials based on the 5e learning cycle integrated with local wisdom [Article]. *Jurnal Pendidikan IPA Indonesia*, 10(2), 187-199. <https://doi.org/10.15294/jpii.v10i2.29956>
- Sa'adah, N. H. (2023). Pengaruh Metode Resitasi Berbasis Tumbuhan Lokal Terhadap Literasi Sains Siswa pada Pembelajaran IPA di Kelas IV MIN 8 Tabalong.
- Serevina, V., & Heluth, L. (2022). Development of Student's Worksheets using Learning Strategies to Improve Thinking Ability Equipped with Mind Mapping and Ability of Student's Retention. *Journal of Physics: Conference Series*,
- Susilawati, S., Mulyani, G., Halim, A., Saputri, M., Farhan, A., & Widia, S. (2025). Enhancing Scientific Literacy through an Interactive E-Module Enriched with Acehese Local Wisdom. *Journal of Physics: Conference Series*,
- Sa'ud, U. S., & Sumantri, M. (2007). Pendidikan dasar dan menengah. Dalam *Ilmu & Aplikasi Pendidikan Bagian*, 4.
- Salsabilla, I. I., Jannah, E., & Juanda. (2023). Analisis modul ajar berbasis kurikulum merdeka. *Jurnal Literasi dan Pembelajaran Indonesia*, 3(1), 33-41.
- Samad, U. (2020). *Kearifan Lokal & Budaya Organisasi*. Ambon: CV. Sintesa Prophetica
- Samatowa, U. (2006). *Bagaimana membelajarkan IPA di sekolah dasar*. PT Pustaka Indonesia Press.
- Sanja M., Krstivoje S. (2015). Developing Critical Thinking in Elementary Mathematics Education through a Suitable Selection of Content and Overall Student Performance; *Procedia - Social and Behavioral Sciences* 180 (2015) 653-659.
- Sanjayanti, N. P. A. H., Suastra, I. W., Suma, K., & Adnyana, P. B. (2022). Effectiveness of Science Learning Model Containing Balinese Lokal Wisdom in Improving Character and Science Literacy of Junior High School Students. *International Journal of Innovative Research and Scientific Studies*, 5(4), 332-342.
- Sartika D.W and Ahda Y (2021) —An Analysis of Scientific Literacy of Students of SMPN 4 Tanjung Pinang and of SMPN 6 Tanjung Pinang,|| *Int. J. Progress. Sci. Technol.*, vol. 25, no. 1, pp. 43–49
- Seki, N., Sireerat, K., Foxton, R., Liao, S. R., & Morio, I. (2023). Critical thinking education for dental schools in Asia: Perceptions of educators. *Journal of Dental Sciences*, 18(1), 443–447. <https://doi.org/10.1016/j.jds.2022.08.024>
- Septianti, N., & Afiani, R. (2020). Pentingnya Memahami Karakteristik Siswa Sekolah Dasar Di SDN Cikokol 2. *As-Sabiqun*, 2(1), 7–17.
- Septika et all., 2023. Development Of Teaching Modules Based On Local Wisdom In Learning Literature Writing For Students In Elementary School Teacher Education Program. *Santhet: Jurnal Sejarah, Pendidikan Dan Humaniora* 8 (1), 89-34 DOI: 10.36526/js.v3i2.3180
- Setiawan, B., Innatesari, D. K., Sabtiawan, W. B., & Sudarmin, S. (2017). The development of lokal wisdom-based natural science module to improve

- science literacy of students. *Jurnal Pendidikan IPA Indonesia*, 6(1).
- Setiawan, L. D. (2020). Permasalahan Pendidikan Indonesia di Tengah Pandemi Covid-19. *Prosiding Seminar Nasional Bahasa Dan Sastra Indonesia (SENASBASA)*, 4(1).
- Sholikah, D. J. M., & Masithoh, D. (2022). Pengembangan Media Pembelajaran Video Kelas III Tema 6 Energi & Perubahannya di Sekolah Dasar. *Progressive of Cognitive and Ability*, 1(2), 147–157.
- Steele, J.L., Meredith, K.S., Temple, Ch., (2011). *Reading and Writing for Critical Thinking*, vol.II, Bucharest: Center Education 2000+, Gloria Publishing.
- Straková, Z., & Cimermanová, I. (2018). Critical thinking development-a necessary step in higher education transformation towards sustainability. *Sustainability (Switzerland)*, 10(10). <https://doi.org/10.3390/su10103366>
- Suastra, I. W., & Pujani, N. M. (2021). Lokal wisdom in Lombok island with the potential of ethnoscience for the development of learning models in junior high school. *Journal of Physics: Conference Series*, 1816(1), 12105.
- Sudjana, N., & Rivai, A. (2007). *Teknologi pengajaran*. Bandung: Sinar Baru Algensindo, 76–84.
- Sujana, I. W. C. (2019). Fungsi Dan Tujuan Pendidikan Indonesia. *Adi Widya: Jurnal Pendidikan Dasar*, 4(1), 29. <https://doi.org/10.25078/aw.v4i1.927>
- Sulaiman, A., & Winarni, E. (2020). Penguatan karakter siswa melalui pembelajaran IPA berbasis budaya lokal. *Jurnal Ilmu Pendidikan*, 26(2), 95–103.
- Susana Urbina. (2016). *Essentials of Psychological Testing*. In *Laboratorium Penelitian dan Pengembangan FARMAKA TROPIS Fakultas Farmasi Universitas Mulawarman, Samarinda, Kalimantan Timur (Issue April)*. New Jersey: John Wiley & Sons, Inc.
- Susetyarini, E., & Fauzi, A. (2020). Trend of Critical Thinking Skill Researches in Biology Education Journals across Indonesia: From Research Design to Data Analysis. *International Journal of Instruction*, 13(1), 535-550.
- Susilowati, Sajidan, and M. Ramli (2007). —Analisis Keterampilan Berpikir Kritis Siswa Madrasah Aliyah Negeri di Kabupaten Magetan Analysis of Critical Thinking Skills of Public Islamic Senior High School Students in Magetan Regency, in *Strategi Pengembangan Pembelajaran dan Penelitian Sains untuk Mengasah Keterampilan Abad 21 (Creativity and Innovation, Critical Thinking and Problem Solving, Communication, Collaboration/4C*.
- Swisher L.L., Beckstead J.W., Bebeau M.J. (2004) Factor analysis as a tool for survey analysis using a professional role orientation inventory as an example. *Physical Therapy*. 84(9):784-99
- Syofyan, H., & Amir, T. L. (2019). Penerapan literasi sains dalam pembelajaran IPA untuk calon guru SD. *Jurnal Pendidikan Dasar*, 10(2), 35–43.
- Selvakumar, P., Sameer, B. M., Portia, R., Das, A., & Pachar, S. (2025). Curricula Design and Accreditation. In *Instructional Approaches for Health Professions Education* (pp. 431-458). <https://doi.org/10.4018/979-8-3693-4334-0.ch015>

- Shultz, M., Nissen, J., Close, E., & Van Dusen, B. (2022). The role of epistemological beliefs in STEM faculty's decisions to use culturally relevant pedagogy at Hispanic-Serving Institutions [Article]. *International Journal of STEM Education*, 9(1), Article 32. <https://doi.org/10.1186/s40594-022-00349-9>
- Singha, S., Sivarethnamohan, R., Singha, R., Jose, S., Ruben, V. M., Josephine, J., & Haokip, A. D. (2025). Crafting inclusive curricula: Strategies for equitable literacy education. In *Literacy Policies for Equity and Inclusion* (pp. 51-78). <https://doi.org/10.4018/979-8-3693-8427-5.ch003>
- Suarmika, P. E., Putu Arnyana, I. B., Suastra, I. W., & Margunayasa, I. G. (2022). Reconstruction of disaster education: The role of indigenous disaster mitigation for learning in Indonesian elementary schools. *International Journal of Disaster Risk Reduction*, 72, 102874. <https://doi.org/https://doi.org/10.1016/j.ijdr.2022.102874>
- Tilaar, H. A. R. (2019). *Multikulturalisme: Tantangan-Tantangan Global Masa Depan dalam Transformasi Pendidikan Nasional*. Rineka Cipta.
- Tohr i, A., et al. (2022). The urgency of Sasak local wisdom-based character education for elementary school in East Lombok. *IJERE*, 11(3).
- Tohri, A., Rasyad, A., Sururuddin, M., & Istiqlal, L. M. (2022). The urgency of Sasak local wisdom-based character education for elementary school in East Lombok. *International Journal of Evaluation and Research in Education (IJERE)*, 11(3), 1342–1349.
- Tohri, A., Rasyad, A., Sururuddin, M., & Istiqlal, L. M. (2022). The urgency of Sasak local wisdom-based character education for elementary school in East Lombok. *International Journal of Evaluation and Research in Education (IJERE)*, 11(3), 1342–1349
- Uyun, M., Fahmi, I., Fitriani, Alimron, & Pratama, I. P. (2024). The role of local wisdom, cultural values, and religious values on cultivating social awareness and enhancing integrity in students. *Humanities and Social Sciences Letters*, 12(4), 1224–1238. <https://doi.org/10.18488/61.v12i4.3906>
- Vallejo, A. J. A. (2019). The higher order thinking skills of students on visayan poems. *Universal Journal of Educational Research*, 7(8), 1679–1689. <https://doi.org/10.13189/ujer.2019.070806>
- Wasis, B., Saharjo, B. H., Kusumadewi, F., Utami, N. H., & Putra, M. H. W. (2018). Analysis of economic valuation of environmental damage due to sand mine in Gumulung Tonggoh, Cirebon District, West Java Province, Indonesia. *Archives of Agriculture and Environmental Science*, 3(4), 360– 366.
- Wasis, R. et all. (2020). *HOTS & Literasi Sains Konsep, Pembelajaran dan Penilaiannya*. Kun payakun Press.
- Wibowo, A. (2015). *Gunawan. (2015). Pendidikan Karakter Berbasis Kearifan Lokal Di Sekolah*.
- Widiya, M., Lokaria, E., & Sepriyaningsih, S. (2021). Pengembangan Modul Pembelajaran IPA Berbasis Kearifan Lokal Kelas Tinggi di Sekolah dasar. *Jurnal Basicedu*, 5(5), 3314–3320.

- Widodo, C. S., & Jasmadi, S. T. P. (2008). Panduan menyusun bahan ajar berbasis kompetensi. Jakarta: Elex Media Komputindo.
- Widodo, H. (2016). Keterampilan Pemetaan dan Dokumentasi Tanaman Obat di Sekolah Dasar. *Prosiding Seminar Nasional Pendidikan IPA*, 1(1), 55–62.
- Widoyoko, E. P. (2011). Evaluasi program pembelajaran. In Yogyakarta: pustaka pelajar (Vol. 238).
- Widyastuti, A., & Waluyo, E. (2021). Kearifan Lokal dalam Pembelajaran IPA: Studi Kasus Tradisi Bebubus Lombok. *Jurnal Pendidikan Sains Indonesia*, 9(2), 109–117.
- Wijaya, Y. F. (2015). Penerapan Pembelajaran Contextual Teaching and Learning (CTL) dalam Meningkatkan Hasil Belajar IPA pada Siswa Tunarungu di SLB B/C. *MODELING: Jurnal Program Studi PGMI*, 2(1), 14–20.
- Winkel, W. S. (1989). Psikologi pengajaran. Gramedia.
- Winkel, W. S. (2009). Psikologi Pengajaran. Jakarta: PT Gramedia Widiasarana Indonesia.
- Xie, J., & Ferguson, Y. (2024). STEM faculty's perspectives on adopting culturally responsive pedagogy [Article]. *Teaching in Higher Education*, 29(5), 1215-1233. <https://doi.org/10.1080/13562517.2022.2129960>
- Yeşilyurt, S., & Çapraz, C. (2018). Ölçek geliştirme çalışmalarında kullanılan kapsam geçerliği için bir yol haritası. *Erzincan Üniversitesi Eğitim Fakültesi Dergisi*, 20(1), 251-264
- Yani, M. T., Setyowati, R. R. N., Jatmiko, B., & Ridlwan, A. A. (2025). Transformation of local wisdom values to build elementary and secondary school students' characters: a case study in Serang Regency, Banten Province, Indonesia [Article]. *Cogent Education*, 12(1), Article 2532225. <https://doi.org/10.1080/2331186X.2025.2532225>
- Yuliati, Y. (2017). Literasi sains dalam pembelajaran IPA. *Jurnal Cakrawala Pendas*, 3(2).
- Yuliati, Y., & Lestari, I. (2019). Penerapan model Creative Problem Solving untuk meningkatkan hasil belajar siswa pada pembelajaran Ilmu Pengetahuan Alam di Sekolah dasar. *Jurnal Cakrawala Pendas*, 5(1).
- Yunita, A., Sovia, A., & Hamdunah, H. (2020). Pemahaman Konsep Matematis Mahasiswa Menggunakan Buku Teks Dengan Pendekatan Konstruktivisme. *Jurnal Elemen*, 6(1), 56–67. <https://doi.org/10.29408/jel.v6i1.1696>
- Yuristia, F., Hidayati, A., & Ratih, M. (2022). Pengembangan Modul Pembelajaran IPA Berbasis Problem Based Learning pada Pembelajaran Tematik Sekolah dasar. *Jurnal Basicedu*, 6(2), 2400–2409.
- Zakiah, L., & Lestari, I. (2019). Berpikir kritis dalam konteks pembelajaran. Bogor: Erzatama Karya Abadi.
- Zainuri, B. N. S., Gunawan, G., & Kosim, K. (2024). Local wisdom integration in problem-based learning e-modules: impact on science literacy and science process skills. *Indonesian Journal of STEM Education*, 6(1), 1-8. <https://doi.org/https://doi.org/10.29303/jpft.v1i1.8741>

- Zainuri, B. N. S., & Herayanti, L. (2025). The effect of problem-based learning e-modules on students' science process skills. *Journal of Physics: Conference Series*,
- Zaki, A., Mulbar, U., Husniati, A., & Naufal, M. A. (2024). Integrating Local Wisdom with Project-Based Learning to Enhance 21st-Century Skills in the Society 5.0 Era [Article]. *Journal of Ecohumanism*, 3(7), 1821-1831. <https://doi.org/10.62754/joe.v3i7.4341>
- Zein et al., 2024. Keefektifan Model Pembelajaran Problem Based Learning (PBL) Berbantuan Media Teka Teki Silang terhadap Keterampilan Berpikir Kreatif Siswa SMP. *Inkuiri. Jurnal Pendidikan IPA* 13(1), 92-98 DOI: 10.20961/inkuiri.v13i1.79066
- Zidny, R., Solfarina, S., Aisyah, R. S. S., & Eilks, I. (2021). Exploring indigenous science to identify contents and contexts for science learning in order to promote education for sustainable development. *Education Sciences*, 11(3), 114.
- Zubaidah, S. (2019). Menumbuhkan Keterampilan Abad 21 melalui Pembelajaran Berbasis Kearifan Lokal. *Prosiding Seminar Nasional Biologi dan Pembelajarannya*, 1(1), 1–12.

