

DAFTAR PUSTAKA

- Abdullah, N., & Putra, H. D. (2024). *Desain lembar kerja peserta didik dengan model discovery learning terhadap kemampuan pemahaman konsep matematis*. *Supremum Journal of Mathematics Education*, 8(2), 235–252. <https://doi.org/10.35706/sjme.v8i2.11382>
- Ahmad, A., Dos Santos, M., Helmiyatun, H., Hidayah, N., & Parihin, P. (2025). Content validity of the mathematics learning independence instrument for junior high school students using *Aiken's V*. *Mathematics Research and Education Journal*, 9(2). [https://doi.org/10.25299/mrej.2025.vol9\(2\).24035](https://doi.org/10.25299/mrej.2025.vol9(2).24035)
- Akker, J. van den. (1999). Principles and methods of development research. In J. van den Akker, R. Branch, K. Gustafson, N. Nieveen, & T. Plomp (Eds.), *Design approaches and tools in education and training* (pp. 1–14). Springer.
- Amini, N. (2023). Uji validitas dan reliabilitas instrumen angket penelitian pendidikan. *Edukatika: Jurnal Pendidikan*, 13(2), 85–93.
- Andaristo, R. (2025). Population and sampling in educational research. *Indonesian Journal of Education and Computer Science*, 5(1). <https://journal.uaindonesia.ac.id/index.php/ijecie/article/view/910>
- Aprilian, V. M. (2024). Studi literatur: Penggunaan media pembelajaran GeoGebra terhadap kemampuan pemahaman konsep matematis siswa. *JES-MAT: Jurnal Edukasi dan Sains Matematika*, 10(2). <https://doi.org/10.25134/jes-mat.v10i2.10099>
- Ardiansyah, A., Nurlaeli, A., & Sari, M. (2023). Teknik pengumpulan data dalam penelitian kualitatif dan kuantitatif. *Jurnal Ihsan: Jurnal Pendidikan Islam*, 1(2). <https://doi.org/10.61104/ihsan.v1i2.57>
- Asanah, N., Arsyad, N., & Djadir. (2024). Improving mathematical problem-solving skills: The roles of reasoning, connections, communication, and students' self-efficacy. *Formatif: Jurnal Ilmiah Pendidikan MIPA*, 14(2), 531–546. <https://doi.org/10.30998/formatif.v14i2.28972>
- Bellinda, B., Pandra, V., & Fauziah, A. (2023). Pembelajaran matematika melalui pendekatan PMRI terhadap kemampuan pemahaman matematis. *JP2M (Jurnal Pendidikan dan Pembelajaran Matematika)*, 9(2).
- Casteel, A., & Bridier, N. L. (2021). Defining the population in research. *Interdisciplinary Journal of Information, Knowledge, and Management*, 16, 1–12. <https://www.informingscience.org/Publications/4766>

- Choeron, M. (2023). Teknik sampling dalam penelitian kesehatan dan pendidikan. *Jurnal Keperawatan dan Kesehatan*, 12(2). <https://publikasi.unitri.ac.id/index.php/fikes/article/download/2865/1778>
- Fitriani, L., Refianti, R., & Yanto, Y. (2023). Systematic literature review: Desain modul dengan pendekatan PMRI pada Kurikulum Merdeka. *Polinomial: Jurnal Pendidikan Matematika*, 2(1).
- Fitriyana, E. V., Zaenuri, Z., & Hidayah, I. (2023). *Systematic literature review: Efektifitas pembelajaran matematika dengan pendekatan Pendidikan Matematika Realistik Indonesia*. *e-DuMath: Jurnal Pendidikan Matematika*, 9(1). <https://ejournal.umpri.ac.id/index.php/edumath/article/view/1937>
- Gravemeijer, K., & van Eerde, D. (2009). Design research as a means for building a knowledge base for teachers and teaching in mathematics education. *The Elementary School Journal*, 109(5), 510–524. <https://doi.org/10.1086/596999>
- Hake, R. R. (1999). Analyzing change/gain scores. Indiana University. <http://www.physics.indiana.edu/~sdi/AnalyzingChange-Gain.pdf>
- Hasanah, N., Arsyad, N., & Djadir. (2024). Improving mathematical problem-solving skills: The roles of reasoning, connections, communication, and students' self-efficacy. *Formatif: Jurnal Ilmiah Pendidikan MIPA*, 14(2), 531–546. <https://doi.org/10.30998/formatif.v14i2.28972>
- Hasibuan, E., Muchlis, E. E., & Yensi, N. A. (2019). Pengembangan LKPD dengan pendekatan pendidikan matematika realistik untuk meningkatkan hasil belajar matematika siswa. *Jurnal Pendidikan Matematika dan Sains*, 3(3), 315–328. <https://doi.org/10.33369/jp2ms.3.3.315-328>
- Hidayati, N., & Sari, D. P. (2021). Analisis validitas perangkat pembelajaran menggunakan indeks *Aiken's V*. *Jurnal Pendidikan*, 22(2), 123–130.
- Hossan, M. A., et al. (2023). Research population and sampling in quantitative study. *International Journal of Research Methodology*. https://www.researchgate.net/publication/375127568_Research_Population_and_Sampling_in_Quantitative_Study
- Jamiat, A., Kustati, M., Amelia, R., & Gusmirawati, G. (2024). Upaya meningkatkan aktivitas dan hasil belajar matematika dengan model penemuan terbimbing berpaduan LKPD pada peserta didik. *Jurnal Siklus: Penelitian Tindakan Kelas (PTK)*, 2(2), 446–453. <https://ejournal.edutechjaya.com/index.php/siklus/article/view/1062>

- Jannah, A. R., & Marlina, R. (2023). Analisis kemampuan penalaran matematis ditinjau dari gaya belajar siswa SMP. *Didactical Mathematics*, 5(2). <https://ejournal.unma.ac.id/index.php/dm/article/view/6080>
- Jonsson, B., Mossegård, J., Lithner, J., & Karlsson Wirebring, L. (2022). Creative mathematical reasoning: Does need for cognition matter? *Frontiers in Psychology*, 12, 797807. <https://doi.org/10.3389/fpsyg.2021.797807>
- Kania, N., Kusumah, Y. S., Dahlan, J. A., Nurlaelah, E., Gürbüz, F., & Bonyah, E. (2024). Constructing and providing content validity evidence through the *Aiken's V* index based on the experts' judgments of the instrument to measure mathematical problem-solving skills. *REiD (Research and Evaluation in Education)*, 10(1), 64–79. <https://doi.org/10.21831/reid.v10i1.71032>
- Karlsson Wirebring, L., Wiklund-Hörnqvist, C., Stillesjö, S., Granberg, C., Lithner, J., Andersson, M., Nyberg, L., & Jonsson, B. (2022). An fMRI intervention study of creative mathematical reasoning: Behavioral and brain effects across different levels of cognitive ability. *Trends in Neuroscience and Education*, 29, 100193. <https://doi.org/10.1016/j.tine.2022.100193>
- Kusaeri, K., Lailiyah, S., Arrifadah, Y., & Asmiyah, S. (2022). Enhancing creative reasoning through mathematical task: The quest for an ideal design. *International Journal of Evaluation and Research in Education*, 11(2), 482–490. <https://doi.org/10.11591/ijere.v11i2.22125>
- Lestari, K. E., & Yudhanegara, M. R. (2015). *Penelitian pendidikan matematika* (1st ed.). PT Refika Aditama.
- Lithner, J. (2008). A research framework for creative and imitative reasoning. *Educational Studies in Mathematics*, 67(3), 255–276. <https://doi.org/10.1007/s10649-007-9104-2>
- Lithner, J. (2017). Principles for designing mathematical tasks that enhance imitative and creative reasoning. *ZDM Mathematics Education*, 49(6), 937–949. <https://doi.org/10.1007/s11858-017-0867-3>
- Majid, A. F., Munir, M. M., Mardhiah, Nur, F., & Sriyanti, A. (2022). The influence of the application of the Think Pair Share (TPS) cooperative learning model on students' reasoning ability and mathematical abstract ability. *MaPan: Jurnal Matematika dan Pembelajaran*, 10(2), 413–427. <https://doi.org/10.24252/mapan.2022v10n2a11>
- Marlan, M., Ratumanan, T. G., & Palinussa, A. L. (2023). Analisis penalaran matematis siswa pada materi fungsi eksponen. *JUMADIKA: Jurnal*

Magister Pendidikan Matematika, 5(2).
<https://ojs3.unpatti.ac.id/index.php/jumadika/article/view/8940>

- Masfingatin, T., & Murtafiah, W. (2020). Exploring the creative mathematical reasoning of mathematics education student through discovery learning. *AKSIOMA: Jurnal Program Studi Pendidikan Matematika*, 9(2), 296–305. <https://doi.org/10.24127/ajpm.v9i2.2714>
- Masfingatin, T., Krisdiana, I., & Setyansah, R. K. (2026). Geo-Sheet: Interactive GeoGebra-integrated learning material to enhance students' creative mathematical reasoning in analytic geometry. *Kalamatika: Jurnal Pendidikan Matematika*, 11(1), 95–119. <https://doi.org/10.22236/KALAMATIKA.vol11no1.2026pp95-119>
- Masfingatin, T., Murtafiah, W., & Maharani, S. (2020). Exploration of creative mathematical reasoning in solving geometric problems. *Journal on Mathematics Education*, 11(3), 405–420. <https://jpm.ejournal.unsri.ac.id/index.php/jpm/article/view/138>
- Masfingatin, T., Murtafiah, W., Krisdiana, I., & Setyansah, R. K. (2020). Creative mathematical reasoning (CMR) in mathematics learning: A systematic review. *Journal of Physics: Conference Series*, 1465(1), 012013. <https://doi.org/10.1088/1742-6596/1465/1/012013>
- Masiani, N. P., Ahyan, S., & Rasidi, A. (2024). *Efektivitas model pembelajaran RME berbantuan GeoGebra terhadap kemampuan pemahaman konsep matematis siswa*. *AKSIOMA: Jurnal Matematika dan Pendidikan Matematika*, 15(3), 467–477. <https://doi.org/10.26877/aks.v15i3.21181>
- Maulidiya, D., Utari, T., Irsal, N. A., & Aziza, M. (2023). *Investigasi pemanfaatan GeoGebra untuk pembelajaran matematika di Indonesia: Sebuah analisis bibliometrik*. *Delta-Pi: Jurnal Matematika dan Pendidikan Matematika*, 12(1), 121–138. <https://doi.org/10.33387/dpi.v12i1.6557>
- Meilindawati, R., Wardono, W., & Wijayanti, K. (2023). Literasi numerasi siswa pada pendekatan Matematika Realistik Indonesia (PMRI) berbantuan soal HOTS. *Paedagoria: Jurnal Kajian, Penelitian dan Pengembangan Kependidikan*, 14(4). <https://journal.ummat.ac.id/index.php/paedagoria/article/view/17601>
- National Council of Teachers of Mathematics. (2020). Catalyzing change in middle school mathematics: Initiating critical conversations. National Council of Teachers of Mathematics.
- Nova, E., Retta, A. M., & Nopriyanti, T. D. (2024). *Student worksheet development using the PMRI approach in the classroom context with an orientation*

toward students' conceptual understanding. *Journal on Mathematics Education*, 16(2).
<https://jpm.ejournal.unsri.ac.id/index.php/jpm/article/view/190>

Organisation for Economic Co-operation and Development. (2023). PISA 2022 results (Volume I): The state of learning and equity in education. OECD Publishing. <https://doi.org/10.1787/53f23881-en>

Pamungkas, D., & Rokhima, N. (2023). Pengembangan LKPD matematika berbasis pendekatan PMRI untuk meningkatkan kemampuan komunikasi matematis peserta didik. *Jurnal Pendidikan dan Pembelajaran Matematika Indonesia*, 12(2). <https://ejournal2.undiksha.ac.id/index.php/JPM/article/view/2690>

Pamungkas, R. G., Wardono, W., & Agoestanto, A. (2024). *Mathematical literacy and curiosity through creative problemsolving learning using the PMRI approach assisted by Photomath*. *Jurnal Didactical Mathematics*, 6(2). <https://doi.org/10.31949/dm.v6i2.10822>

Putra, D. O. P., & Purnomo, Y. W. (2023). Pengaruh pendekatan Pendidikan Matematika Realistik Indonesia (PMRI) terhadap kemampuan numerasi siswa. *AKSIOMA: Jurnal Program Studi Pendidikan Matematika*, 12(1). <https://ojs.fkip.ummetro.ac.id/index.php/matematika/article/view/6231>

Rahmah, H., Turmudi, T., Herman, T., & Suhendra, S. (2024). How are students' creative reasoning abilities in solving straight-line equation problems? *KALAMATIKA: Jurnal Pendidikan Matematika*, 9(1). https://matematika-uhamka.com/kalamatika_old/index.php/kmk/article/view/609

Rahmah, N., Hidayat, W., & Juandi, D. (2024). How are students' creative reasoning abilities in solving straight-line equation problems? *Kalamatika: Jurnal Pendidikan Matematika*, 9(1), 65–82. <https://doi.org/10.22236/KALAMATIKA.vol9no1.2024pp65-82>

Roesadhi, A., et al. (2024). Penggunaan angket sebagai teknik pengumpulan data dalam penelitian pendidikan. *Jurnal Inovasi Cendekia Nusantara*, 3(2). <https://jicnusanantara.com/index.php/jicn/article/view/6492>

Rusli, M., Fitriani, L., & Handayani, S. (2024). Triangulasi teknik pengumpulan data dalam penelitian pendidikan. *Jurnal Ihsan: Jurnal Pendidikan Islam*, 2(1). <https://ejournal.yayasanpendidikandzurriyatulquran.id/index.php/ihsan/article/view/1045>

- Salam, M., Hasnawati, H., Andini, I. A. P., Suhar, S., & Lambertus, L. (2023). Analisis kemampuan penalaran matematis siswa ditinjau dari kemampuan awal. *AKSIOMA: Jurnal Program Studi Pendidikan Matematika*, 12(3). <https://ojs.fkip.ummetro.ac.id/index.php/matematika/article/view/7448>
- Selviyani, A., Refianti, R., & Purwasi, L. A. (2024). Systematic literature review: Desain bahan ajar aritmatika sosial berbasis pendekatan Pendidikan Matematika Realistik Indonesia (PMRI). *e-DuMath: Jurnal Pendidikan Matematika*, 10(1), 42–52. <https://ejournal.umpri.ac.id/index.php/edumath/article/view/2239>
- Setyaedhi, H. D. (2024). Analisis validitas dan reliabilitas instrumen penelitian pendidikan menggunakan Cronbach's Alpha. *Journal of Education Research and Evaluation*, 8(1), 1–10. <https://ejournal.undiksha.ac.id/index.php/JERE/article/view/68164>
- Siburian, T. R., & Zetriuslita, Z. (2023). Pengembangan perangkat pembelajaran matematika dengan pendekatan Open Ended Problem berbantuan software GeoGebra. *PRISMA*, 12(1), 229–239. <https://doi.org/10.35194/jp.v12i1.2902>
- Simbolon, A. K. P. (2023). Peningkatan kemampuan literasi numerasi siswa pada matematika melalui pendekatan Pendidikan Matematika Realistik Indonesia (PMRI). *Nusantara Hasana Journal*, 3(7).
- Sinaga, B., Gaol, Y. L., & Syahputra, E. (2023). Analisis kemampuan berpikir pola matematis siswa melalui model pembelajaran problem based learning dengan menggunakan software GeoGebra. *Jurnal Cendekia: Jurnal Pendidikan Matematika*, 8(1), 129–143. <https://doi.org/10.31004/cendekia.v8i1.2756>
- Sugiyono. (2021). *Metode penelitian pendidikan (Kuantitatif, kualitatif, dan R&D)*. Alfabeta.
- Sulastri, W., & Wulantina, E. (2023). Pengembangan LKPD berbasis pendekatan Pendidikan Matematika Realistik Indonesia (PMRI) untuk meningkatkan kemampuan representasi matematis siswa. *MATHEMA: Jurnal Pendidikan Matematika*, 5(2), 207–220. <https://doi.org/10.33365/jm.v5i2.2842>
- Sumartini, T. S., & Utami, I. E. (2023). Analisis kemampuan penalaran matematis siswa pada materi relasi dan fungsi. *PRISMA*, 12(2). <https://jurnal.unsur.ac.id/prisma/article/view/3062>
- Supu, R., Hidayat, E., & Kurniawati, L. (2024). Pengembangan perangkat pembelajaran matematika berbasis PMRI menggunakan model Tessmer.