

DAFTAR RUJUKAN

- Aflah, T., Maimunah, M., & Roza, Y. (2024). Analisis kemampuan pemecahan masalah berdasarkan teori Polya dalam menyelesaikan soal materi perbandingan. *Jurnal Math Educator Nusantara*, 10(2), 309–323. <https://doi.org/10.29407/jmen.v10i2.22784>
- Agusman, A., Purwanto, P., & Rahardi, R. (2025). An Exploration of Critical Thinking Stages of Junior High School Students in Solving Contradictory Mathematical Problems. *Journal of Research and Advances in Mathematics Education*, 10(3). <https://doi.org/10.23917/jramathedu.v10i3.8911>
- Akuba, S. F., Purnamasari, D., & Firdaus, R. (2020). Pengaruh Kemampuan Penalaran, Efikasi Diri dan Kemampuan Memecahkan Masalah Terhadap Penguasaan Konsep Matematika. *JNPM (Jurnal Nasional Pendidikan Matematika)*, 4(1), 44. <https://doi.org/10.33603/jnpm.v4i1.2827>
- Al Faruq, H., & Hidayati, K. (2025). The Influence of Critical Thinking, Logical Thinking, and Belief on Students' Mathematical Problem Solving Abilities. *MaPan: Jurnal Matematika dan Pembelajaran*, 13(2). <https://doi.org/10.24252/mapan.2025v13n2a10>
- Ambarwati, B. T., & Ekawati, R. (2022). Analisis literasi matematika siswa dalam menyelesaikan soal higher order thinking skills (hots) proporsi. *MATHEdunesa Jurnal Ilmiah Pendidikan Matematika*, 11(2), 392.
- Cai, J., & Michael, B. (2006). *Looking Back In. May*, 42–46.
- Creswell, J. W., & Creswell, J. D. (2018). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches* (5th Editio). SAGE Publications, Inc.
- Creswell, J. W., & Creswell, J. D. (2023). *Research design: Qualitative, quantitative, and mixed methods approaches* (6th ed.). Sage Publications.

- Dewi, N., & Saharuddin. (2024). The Mathematical Problem-Solving Abilities of Elementary School Students in Solving Story. *JUDIKDAS: Jurnal Ilmu Pendidikan Dasar Indonesia*, 3(2), 91–104. <https://doi.org/10.51574/judikdas.v3i2.1227>
- Effendi, R. (2017). Konsep Revisi Taksonomi Bloom dan Implementasi Pada Pembelajaran Matematika SMP. *Jurnal Ilmiah Pendidikan Matematika*, 2(1), 72.
- Facione, P. A. (1990). Critical Thinking: A Statement of Expert Consensus for Purposes of Educational Assessment and Instruction Executive Summary “The Delphi Report. *The California Academic Press*, 423(c), 1–19. http://www.insightassessment.com/pdf_files/DEXadobe.PDF
- Fatkhurrohman, L., Parta, I. N., & Irawati, S. (2021). *Kemampuan Memeriksa Kembali (looking back) Siswa SMP dalam Menyelesaikan Masalah Matematika*. *Jurnal Pendidikan: Teori, Penelitian, Dan Pengembangan*, 6(6), 940. <https://doi.org/10.17977/jptpp.v6i6.14892>
- Fauziah, F. A., & Astutik, E. P. (2022). Analisis Kesalahan Siswa dalam Pemecahan Masalah Soal Cerita Matematika Berdasarkan Langkah Polya. *Jurnal Cendekia: Jurnal Pendidikan Matematika*, 6(1), 996–1007. <https://doi.org/10.31004/cendekia.v6i1.1086>
- Handayani, S. D. (2023). Pengaruh berpikir kritis terhadap kemampuan pemecahan masalah matematis. *Innovative: Journal of Social Science Research*, 3(1), 240–250. <https://j-innovative.org/index.php/Innovative/article/view/2612>
- Harahap, N. (2020). *penelitian kualitatif* (H. Sazali (ed.)). Wal ashri Publishing.
- Hartinna, Laili, H., Novyansari, Y., & Fatmawati, L. (2025). *Buku Pendamping Pembelajaran Matematika*. CV Graha Printama Selaras.
- Hidayat, R., & Saerah. (2017). Kontribusi Model Pembelajaran Project Based

- Learning Terhadap Kemampuan Berpikir Kritis Matematis Siswa Madrasah Tsanawiyah. *Eduma : Mathematics Education Learning and Teaching*, 6(1), 8. <https://doi.org/10.24235/eduma.v6i1.1559>
- Jaelani, A. K., Hasbi, M., & Baharullah, B. (2023). A Critical Thinking Profile of Mathematics Education Students in Solving Ill-Structured Problem based on Mathematical Ability. *JTAM (Jurnal Teori dan Aplikasi Matematika)*, 7(2), 545–559. <https://doi.org/10.31764/jtam.v7i2.13378>
- Kania, N., & Ratnawulan, N. (2022). Kompetensi Matematika: Kemampuan Pemecahan Masalah Matematis Siswa Menurut Polya. *Journal of Research in Science and Mathematics Education (J-RSME)*, 1(1), 17–26. <https://doi.org/10.56855/jrsme.v1i1.10>
- Kementerian Pendidikan dan Kebudayaan. (2016). *Buku Guru Matematika*.
- Khoiri, A. F., Linuhung, N., & Rahmawati, D. (2025). An Exploratory Mixed Methods Study of Students' Critical Thinking Based on Self-Regulated Learning in Numeracy Literacy Problem Solving. *Journal of Mathematics Education and Science*, 9(1). <https://doi.org/10.32665/james.v9i1.5759>
- Krathwohl, D. R., & Anderson, L. W. (2001). <https://eduq.info/xmlui/handle/11515/18824>. longman.
- Kristofora, M., & Sujadi, A. A. (2017). Analisis Kesalahan Dalam Menyelesaikan Masalah Matematika Dengan Menggunakan Langkah Polya Siswa Kelas Vii Smp. *Prisma*, 6(1), 9–16. <https://doi.org/10.35194/jp.v6i1.24>
- Krulik, S., & Rudnick, J. A. (1995). *The New Sourcebook for Teaching Reasoning and Problem Solving in Elementary School*. Allyn and Bacon.
- Kurniawan, F. A., Nurfahrudianto, A., & Yohanie, D. D. (2023). Kemampuan Berpikir Kritis Matematis Ditinjau Dari Hasil Belajar Siswa. *Jurnal Ilmiah Pendidikan Citra Bakti*, 10(3), 636–649.

<https://doi.org/10.38048/jipcb.v10i3.2077>

- Kurniawan, N. A., Hidayah, N., & Rahman, D. H. (2021). Analisis Kemampuan Berpikir Kritis Siswa SMK. *Jurnal Pendidikan: Teori, Penelitian, Dan Pengembangan*, 6(3), 334. <https://doi.org/10.17977/jptpp.v6i3.14579>
- Lanya, H., Perbandingan, K., & Rendah, K. M. (2016). *Pemahaman konsep perbandingan siswa smp berkemampuan matematika rendah*.
- Lasmanawati, A. (2021). *Strategi Pembelajaran Self Regulation dalam Pemecahan Masalah Matematika*. Humanika: Kajian Ilmiah Mata Kuliah Umum, 21(1), 15–26. <https://doi.org/10.21831/hum.v21i1.29310>
- Lesh, R., & Zawojewski, J. S. (2007). Problem solving and modeling. In *The second handbook of research on mathematics teaching and learning* (pp. 763–804). Information Age Publishing.
- Liljedahl, P., Triago, M. S., Malaspina, U., & Bruder, R. (2021). Problem solving in mathematics education. In *Research in Mathematics Education* (Vol. 23, Issue 2). <https://doi.org/10.1080/14794802.2020.1731577>
- Manik, P. S. S., & Ngurah, G. S. A. (2020). Kemampuan Berpikir Tingkat Tinggi Dalam Menyelesaikan Soal HOTS Mata Pelajaran Matematika. *Jurnal Ilmiah Sekolah Dasar*, 4(2), 258–269. <https://ejournal.undiksha.ac.id/index.php/JISD/article/view/25336/15392>
- Martin, I., & Gida, K. (2020). Analisis Kemampuan Pemecahan Masalah Matematis Siswa Sma Pada Materi Fungsi. *JPMI, Volume 3*.
- Nasution, M. (2018). Konsep Standar Proses Dalam Pembelajaran Matematika. *Logaritma*, 6 (1).
- NCTM. (2000). Principles and Standards for School Mathematics. In *Journal of Equine Veterinary Science*. NCTM. [https://doi.org/10.1016/s0737-0806\(98\)80482-6](https://doi.org/10.1016/s0737-0806(98)80482-6)

- Nurhakim, L., Badaruddin, & Yani, A. (2022). Memeriksa Kembali (Looking Back) Pemecahan Masalah Matematis Menggunakan Website Wolframalpha Pada Materi Integral Tak Tentu. *Adiba: Journal of Education*, 2(4), 461–468. <https://www.wolframalpha.com>.
- Padmakrisya, M. R., & Meiliasari. (2023). Jurnal basicedu. Jurnal Basicedu, *Jurnal Basicedu*, 7(5), 7(6), 3702–3710. <https://journal.uui.ac.id/ajie/article/view/971>
- Parameswari, P., & Kurniyati, T. (2021). Kemampuan Berpikir Kritis Siswa dalam Memecahkan Masalah Matematika. *Jurnal Pendidikan Matematika*, 15(2), 91–97.
- Polya, G. (1973). How to Solve it. In *Stochastic Optimization in Continuous Time* (2nd ed.). <https://doi.org/10.1017/cbo9780511616747.007>
- Qolfathiriyus, A., Sujadi, I., & Indriati, D. (2019). Characteristic profile of analytical thinking in mathematics problem solving. *Journal of Physics: Conference Series*, 1321(3), 032107. <https://doi.org/10.1088/1742-6596/1321/3/032107>
- Qurohman, M. T., Wijayanto, Z., & Suwanto. (2025). *Investigating Critical Thinking Indicators in the Context of Algebra Problem Solving: A Study in Indonesia*. Utamax: Journal of Ultimate Research and Trends in Education. <https://doi.org/10.31849/3psjs798>
- Rijali, A. (2018). *Analisis Data Kualitatif Ahmad Rijali UIN Antasari Banjarmasin*. 17(33), 81–95.
- Rosliani, V. D., & Munandar, D. R. (2022). *Analisis Kemampuan Berpikir Kritis Matematis Siswa Kelas VII Pada Materi Pecahan*. 8(2), 401–409. <https://doi.org/10.31949/educatio.v8i2.1968>
- Rosmalinda, N., Syahbana, A., & Nopriyanti, T. D. (2021). Analisis Kemampuan Berpikir Kritis Siswa Smp Dalam Menyelesaikan Soal-Soal Tipe Pisa.

Transformasi : Jurnal Pendidikan Matematika Dan Matematika, 5(1), 483–496. <https://doi.org/10.36526/tr.v5i1.1185>

Sandelowski, M. (2000). Whatever happened to qualitative description? Research in Nursing & Health, 23(4), 334–340.

Salsa Novianti Ariadila, Yessi Feronica Nuryati Silalahi, Firda Hanan Fadiyah, Ujang Jamaludin, & Sigit Setiawan. (2023). Analisis Pentingnya Keterampilan Berpikir Kritis Terhadap Pembelajaran Bagi Siswa. *Jurnal Ilmiah Wahana Pendidikan*, 9(20), 664–669.

Setiana, N. P., Fitriani, N., & Amelia, R. (2021). Analisis Kemampuan Pemecahan Masalah Matematis Siswa SMA pada Materi Trigonometri Berdasarkan Kemampuan Awal Matematis Siswa. *Jurnal Pembelajaran Matematika Inovatif*, 4(4), 899–910. <https://doi.org/10.22460/jpmi.v4i4.899-910>

Setyawan, D. (2020). Proses Memeriksa Kembali Dalam Memecahkan Masalah Kontekstual Matematis Ditinjau Dari Gaya Belajar. *MATHEdunesa*, 9(2), 455–460. <https://doi.org/10.26740/mathedunesa.v9n2.p455-460>

Setyawan, F., & Firdaus, M. N. (2023). Analisis Kemampuan Berpikir Kritis dalam Menyelesaikan Masalah Matematika Ditinjau dari Kemandirian Belajar Siswa Kelas VII SMP Muhammadiyah 2 Yogyakarta Tahun Pelajaran 2019/2020. *Didaktis: Jurnal Pendidikan dan Ilmu Pengetahuan*, 23(1).

Sipayung, herlita dosmauhur, Sugiatno, & Ahmad, D. (2018). *Potensi looking back siswa dalam menyelesaikan soal materi barisan dan deret aritmetika di sma*. 1–8.

Siswadi. (2019). Peningkatan Kemampuan Pemecahan Masalah Matematik Siswa SMA melalui Pembelajaran Matematika dengan Strategi Kooperatif Tipe STAD. *Logaritma : Jurnal Ilmu-Ilmu Pendidikan Dan Sains*, 7(02). <https://doi.org/10.24952/logaritma.v7i02.2118>

- Siswanto, E., & Meiliasari. (2024). Kemampuan Pemecahan Masalah pada Pembelajaran Matematika: Systematic Literature Review. *Jurnal Riset Pembelajaran Matematika Sekolah*, 8(1).
- Sitepu, C. (2022). Analisis Kesulitan Peserta Didik Menyelesaikan Soal Cerita Pada Materi Perbandingan Kelas VII UPT SMP Negeri 37 Medan. *Sepren*, 3(2), 114–123. <https://doi.org/10.36655/sepren.v3i2.709>
- Sugiyono. (2023). Metode Penelitian Kualitatif. In *Alfabeta*.
- Sutama, S., Fuadi, D., Narimo, S., Anif, S., & Adnan, M. (2022). Collaborative mathematics learning management: Critical thinking skills in problem solving. *International Journal of Evaluation and Research in Education*, 11(3), 1457–1466. <https://doi.org/10.11591/ijere.v11i3.23515>
- Su, H. F. H., Ricci, F. A., & Mnatsakanian, M. (2016). Mathematical teaching strategies: Pathways to critical thinking and metacognition. *International Journal of Research in Education and Science*, 2(1), 190–200. <https://doi.org/10.21890/ijres.57796>
- Wahab A, A., Kusuma, Y. S., Juandi, D., Turmudi, T., Buhaerah, B., & Syaiful, S. (2024). Understanding Students' Struggles in Solving Mathematical Problems: A Systematic Literature Review Using Polya's Framework. *Jurnal Pendidikan Progresif*, 14(3), 1728–1753. <https://doi.org/10.23960/jpp.v14.i3.2024118>
- Wahyu, A., Wibowo, T., Kurniawan, H., & Purworejo, U. M. (2019). *Analisis kemampuan looking back siswa dalam pemecahan masalah matematika*. 5(1), 81–87.
- Xie, Y., Zeng, F., & Yang, Y. (2024). A meta-analysis of the relationship between metacognition and academic achievement in mathematics: From preschool to university. *Acta Psychologica*, 249, 104486.