

## REFERENCES

- Abdussakir. (2018). Literasi Matematis dan Upaya Pengembangannya dalam Pembelajaran di Kelas. *Seminar Pendidikan Matematika*, 1–16. <http://respository.uinmalang.ac.id/2400/7/2400.pdf>
- Adamson, K. A., & Prion, S. (2013). Reliability: Measuring Internal Consistency Using Cronbach's  $\alpha$ . *Clinical Simulation in Nursing*, 9, e179-e180. <https://doi.org/10.1016/j.ecns.2012.12.001>
- Amalia, A. R., Rusdi, R., & Kamid, K. (2021). Pengembangan Soal Matematika Bermuatan HOTS Setara PISA Berkonteks Pancasila. *Jurnal Cendekia: Jurnal Pendidikan Matematika*, 5(1), 01-19.
- Anderson, L.W.& Krathwohl, D.R. (2001). A Taxonomy For Learning, Teaching, And Assesing: A Revision Of Bloom's Taxonomy of Education Objective. New York: Addison Wesley Logman.Inc.
- Anggoro, A. Y., Julie, H., Sanjaya, F., Rudhito, M. A., & Wiadnyana, D. P. (2019). The Mathematics Education Department Students' Ability In Mathematical Literacy For The Change And Relationship Problems On The PISA Adaptation Test. In *Journal of Physics: Conference Series* (Vol. 1397, No. 1, p. 012085). IOP Publishing.
- Arikunto, S. 2010. *Prosedur Penelitian Suatu Pendekatan Praktik*. Jakarta: Rineka Cipta.
- Australian Council for Educational Research. (2015). *Developing Higher Order Thinking Skills*. Melbourne: ACER.
- Bature, I. J. (2020). The Mathematics Teachers Shift from the Traditional Teacher-Centred Classroom to a More Constructivist Student-Centred Epistemology. *Open Access Library Journal*, 7(5), 1-26.
- Brookhart, S. M. (2010). *How to Assess Higher-Order Thinking Skills in Your Classroom*. Alexandria, VA: ASCD.
- Campbell, P. F., Nishio, M., Smith, T. M., Clark, L. M., Conant, D. L., Rust, A. H., ... & Choi, Y. (2014). The Relationship Between Teachers' Mathematical Content And Pedagogical Knowledge, Teachers'

- Perceptions, And Student Achievement. *Journal for Research in Mathematics Education*, 45(4), 419-459.
- De Lange, J. (2006). Mathematical Literacy For Living from OECD-PISA Perspective. <http://beteronderwijsnederland.net/files/active/0/De%20Lange%20ML%202006.pdf>.
- Dewantara, A. H. (2015). Assessing Seventh Graders' Mathematical Literacy in Solving PISA-Like Tasks. *Indonesian Mathematical Society Journal on Mathematics Education*, 6(2), 39-49.
- Dinni, H. N. (2018). HOTS (High Order Thinking Skills) dan Kaitannya dengan Kemampuan Literasi Matematika. In *PRISMA, Prosiding Seminar Nasional Matematika* (Vol. 1, pp. 170-176).
- Dubinsky, E. (2001). *Using A Theory Of Learning In College Mathematics Courses*. Coventry: University of Warwick
- Edo, S. I., Putri, R. I. I., & Hartono, Y. (2013). Investigating secondary school students' difficulties in modeling problems PISA-Model Level 5 and 6. *Journal on Mathematics Education*, 4(1), 41-58.
- Fadillah, F., & Munandar, D. R. (2021). Analisis Kemampuan Literasi Statistis Dalam Pembelajaran Matematika Di Masa Pandemi. *JPMI (Jurnal Pembelajaran Matematika Inovatif)*, 4(5), 1157-1168.
- Genlott, A. A., & Gronlund, A. (2016). Closing The Gaps-Improving Literacy And Mathematics By Ict-Enhanced Collaboration. *Computers and Education*, 99, 68–80. <https://doi.org/10.1016/j.compedu.2016.04.004>
- Gradini, E. (2019). Menilik Konsep Kemampuan Berpikir Tingkat Tinggi (Higher Order Thinking Skills) Dalam Pembelajaran Matematika. *Numeracy*, 6(2), 189-203.
- Hajar, M. N., & Rahman, A. (2020). Analisis Kemampuan Siswa Dalam Menyelesaikan Soal-Soal HOTS Tipe PISA Ditinjau dari Prestasi Belajar Matematika Sekolah. *Jurnal Inovasi Pembelajaran Matematika (JIPM)*, 1(2), 85-96.
- Hartini, T., Misri, M. A., & Nursuprianah, I. (2018). Pemetaan HOTS Siswa Berdasarkan Standar PISA Dan TIMSS Untuk Meningkatkan Mutu

- Pendidikan. *Eduma: Mathematics Education Learning and Teaching*, 7(1), 83-92.
- Hatip, A., & Setiawan, W. (2021). Teori kognitif bruner dalam pembelajaran matematika. *PHI: Jurnal Pendidikan Matematika*, 5(2), 87-97.
- Hawa, A. M., & Putra, L. V. (2018). PISA untuk siswa Indonesia. *Janacitta*, 1(1).
- Hewi, L., & Shaleh, M. (2020). Refleksi hasil PISA (The Programme For International Student Assesment): Upaya Perbaikan Bertumpu Pada Pendidikan Anak Usia Dini. *Jurnal Golden Age*, 4(01), 30-41.
- Indonesia, D. P. N. R. (2006). Peraturan Menteri Pendidikan Nasional Nomor 22 Tahun 2006 tentang Standar Isi Sekolah Menengah Pertama. *Jakarta: Kementerian Pendidikan dan Kebudayaan*.
- Janah, S. R., Suyitno, H., & Rosyida, I. (2019). Pentingnya Literasi Matematika Dan Berpikir Kritis Matematis Dalam Menghadapi Abad Ke-21. In *PRISMA, Prosiding Seminar Nasional Matematika* (Vol. 2, pp. 905-910).
- Johar, R. (2012). Domain Soal Pisa untuk Literasi Matematika. *Jurnal Peluang*, 1(1), 30.
- Julie, H., Sanjaya, F., & Anggoro, A. Y. (2017). The students' ability in the mathematical literacy for uncertainty problems on the PISA adaptation test. In *AIP Conference Proceedings* (Vol. 1868, No. 1, p. 050026). AIP Publishing LLC.
- Kelana, J. B., Wardani, D. S., Firdaus, A. R., Altaftazani, D. H., & Rahayu, G. D. S. (2020). The effect of STEM approach on the mathematics literacy ability of elementary school teacher education students. In *Journal of Physics: Conference Series* (Vol. 1657, No. 1, p. 012006). IOP Publishing.
- King, Ludwika Goodson, and Faranak Rohani. (2012). *Higher Order Thinking Skills: Definition, Teaching Strategies, Assessment*. [http://www.cala.fsu.edu/files/higher\\_order\\_thinking\\_skills.pdf](http://www.cala.fsu.edu/files/higher_order_thinking_skills.pdf)
- Kurniati, D., Harimukti, R., & Jamil, N. A. (2016). Kemampuan Berpikir Tingkat Tinggi Siswa SMP di Kabupaten Jember dalam Menyelesaikan Soal Berstandar PISA. *Jurnal Penelitian dan Evaluasi Pendidikan*, 20(2), 142-155.

- Lestari, Y., As'ari, A. R., & Muksar, M. (2021). Analysis Of Students' mathematical Literacy Skill In Solving PISA Mathematical Problems. *MaPan: Jurnal Matematika dan Pembelajaran*, 9(1), 102-118.
- Mansur, N. (2018). Melatih Literasi Matematika Siswa Dengan Soal PISA. In *Prisma, Prosiding Seminar Nasional Matematika* (Vol. 1, pp. 140-144).
- Mardhiyah, R. H., Aldriani, S. N. F., Chitta, F., & Zulfikar, M. R. (2021). Pentingnya Keterampilan Belajar di Abad 21 Sebagai Tuntutan Dalam Pengembangan Sumber Daya Manusia. *Lectura: Jurnal Pendidikan*, 12(1), 29-40.
- Masfufah, R., & Afriansyah, E. A. (2021). Analisis Kemampuan Literasi Matematis Siswa Melalui Soal PISA. *Mosharafa: Jurnal Pendidikan Matematika*, 10(2), 291-300.
- Masjaya, M., & Wardono, W. (2018). Pentingnya Kemampuan Literasi Matematika untuk Menumbuhkan Kemampuan Koneksi Matematika dalam Meningkatkan SDM. In *PRISMA, Prosiding Seminar Nasional Matematika* (Vol. 1, pp. 568-574).
- Maslihah, S., Waluya, S. B., & Suyitno, A. (2020). The Role Of Mathematical Literacy To Improve High Order Thinking Skills. In *Journal of Physics: Conference Series* (Vol. 1539, No. 1, p. 012085). IOP Publishing.
- Meiningrum, N., & Wahidin. (2021). Analysis of mathematics literacy ability based on problem solving ability for class VII students of SMP Bunda Rangking. *Daya Matematis: Jurnal Inovasi Pendidikan Matematika*, 9(2), 116–119. <https://doi.org/https://doi.org/10.26858/jdm.v9i2.20592>
- Moleong, J. L. (2006). *Metodologi Penelitian Kualitatif*. Bandung: PT. Remaja Rosdakarya.
- Nurhanurawati, N., Caswita, C., Bharata, H., & Widyastuti, W. (2022). The analysis of junior high school students' mathematical literacy: Field study in Bandar Lampung. *Al-Jabar: Jurnal Pendidikan Matematika*, 13(1), 199-209.
- Nurqamar, D., & Nur, I. R. D. (2022). Comparative Study of Indonesian Students' Mathematical Literacy Abilities with Other Countries in Terms of PISA

- Type HOTS. *Eduma: Mathematics Education Learning and Teaching*, 11(1), 45-56.
- Nurutami, A., Riyadi, R. I. Y. A. D. I., & Subanti, S. (2018). The Analysis of Students' Mathematical Literacy Based on Mathematical Ability. In *Mathematics, Informatics, Science, and Education International Conference (MISEIC 2018)* (pp. 162-166). Atlantis Press.
- Noyes, A. (2017). *Rethinking School Mathematics*. London: SAG
- OECD. (2009). *PISA 2009 Assessment and Framework : Key Competencies in Reading, Mathematics and Science*. PISA (Organization for Economic Cooperation and Development) OECD Publishing : Paris.
- OECD. (2013). *PISA 2012 Results: What students know and can do. Student performance in mathematics, reading and science*. Paris: Author.
- OECD. (2018). *PISA 2021 Mathematics Framework (Draft)*. OECD: Paris, France, 2019; Available online: <http://www.oecd.org/pisa/pisaproducts/pisa-2021-mathematics-framework-draft.pdf>
- OECD. (2018). *PISA 2022 Mathematics Framework (Draft)*. OECD: Paris, France, 2019
- OECD. (2019). *PISA 2018 Assessment and Analytical Framework*. PISA (Organization for Economic Cooperation and Development) OECD Publishing : Paris. <https://doi.org/10.1787/b25efab8-en>.
- OECD. (2019). *PISA 2018 Results (Volume I): What Students Know and Can Do*. Organization for Economic Cooperation and Development (OECD): Paris, France, 2019
- Partnership for 21st Century Skills. (2012). *21st Century Skills Map - Math*. In *America*. Tucson, AZ: Author
- Permatasari, R., & Putri, R. I. I. (2018). PISA-Like: Football Context in Asian Games. *Journal on Mathematics Education*, 9(2), 271-280.
- Pritchard, A. (2017). *Ways of learning: Learning theories for the classroom*. Routledge : London & Newyork



- Purnamasari, I.,K. (2016). *Pengembangan Paket Soal Open-Ended Model PISA Untuk Mengetahui Level Literasi Matematika Siswa Kelas VIII SMP*. Skripsi, Pendidikan Matematika, Universitas Jember, Jember.
- Rachman, B. A., & Amir, M. F. (2022). Primary Student's Mathematical Literacy in terms of Higher Order Thinking Skill. *Mimbar Ilmu*, 27(2).
- Rahayu, S. W. (2021). The Analysis of Eighth Grader's Mathematical Literacy Ability in Solving HOTS Questions at SMPN 3 Tarakan. In *2nd International Conference on Innovation in Education and Pedagogy (ICIEP 2020)* (pp. 193-197). Atlantis Press.
- Resnick, L. B., & Science National Research Council (US). Committee on Research in Mathematics. (1987). *Education and learning to think*.
- Risnawati dan Amir,Z. (2015). *Psikologi Pembelajaran Matematika*. Yogyakarta : Aswaja Pressindo.
- Rizki, L. M., & Priatna, N. (2019). Mathematical literacy as the 21st century skill. In *Journal of Physics: Conference Series* (Vol. 1157, No. 4, p. 042088). IOP Publishing.
- Saenz, C. (2009). The Role Of Contextual, Conceptual And Procedural Knowledge In Activating Mathematical Competencies (PISA). *Educational Studies in Mathematics*, 71(2), 123-143.
- Sahidin, L., & Sari, T. I. (2022). Analysis of Mathematical Literacy in Solving PISA Problems Based on Students' Mathematical Ability. *AL-ISHLAH: Jurnal Pendidikan*, 14(4), 5347-5362.
- Salsabila, N. Q., Usodo, B., & Subanti, S. (2021). Mathematical Literacy of Junior High School Students in Solving Problems Pisa Content Quantity. *Journal of Mathematics and Mathematics Education*, 11(2), 30-39.
- Saputri, G. L., Wardono, W., & Karisudin, I. (2019). Pentingnya Kemampuan Literasi Matematika dan Pembentukan Kemampuan 4C dengan Strategi REACT (Relating, Experiencing, Applying, Cooperating, Transferring). In *PRISMA, Prosiding Seminar Nasional Matematika* (Vol. 2, pp. 563-571).
- Siregar, E., Sutiarto, S., & Yusuf, Z. (2021). Analysis of Students' Mathematical Literacy Ability in Algebraic Concepts Based on Trends in International

- Mathematics and Science Study (TIMSS) Problems. *Technium Soc. Sci. J.*, 21, 381.
- Setyaningsih, R., & Munawaroh, L. (2022). Analisis Kemampuan Literasi Matematis Siswa Dalam Menyelesaikan Soal Berorientasi Pisa Konten Uncertainty And Data. *AKSIOMA: Jurnal Program Studi Pendidikan Matematika*, 11(3), 1656-1667.
- Sofyan, F. A. (2019). Implementasi HOTS Pada Kurikulum 2013. *INVENTA: Jurnal Pendidikan Guru Sekolah Dasar*, 3(1), 1-9.
- Sugiyono. (2013). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Bandung : Alfabeta, CV.
- Sulaiman, T., Muniyan, V., Madhvan, D., Hasan, R., & Rahim, S. S. A. (2017). Implementation Of Higher Order Thinking Skills In Teaching Of Science: A Case Study In Malaysia. *International research journal of education and sciences (IRJES)*, 1(1), 2550-2158.
- Suralaga, F. (2021). *Psikologi Pendidikan: Implikasi dalam Pembelajaran*. Depok : Rajawali Pers
- Suryapusparini, B. K., Wardono, W., & Kartono, K. (2018). Analisis soal-soal matematika tipe Higher Order Thinking Skill (HOTS) pada kurikulum 2013 untuk mendukung kemampuan literasi siswa. In *PRISMA, Prosiding Seminar Nasional Matematika* (Vol. 1, pp. 876-884).
- Sutama, N. S., Anif, S., Prayitno, H. J., Sari, D. P., & Adnan, M. (2020). The Development Of Student Worksheets: Questions Of PISA Model To Analyze The Ability Of Mathematical Literacy In Junior High School. In *Journal of Physics: Conference Series* (Vol. 1538, No. 1, p. 012065). IOP Publishing.
- Syawahid, M., dan S. Putrawangsa. (2017). Kemampuan Literasi Matematika Siswa SMP Ditinjau Dari Gaya Belajar. *Jurnal Tadris Matematika*. 10(2): 222-240.
- Szabo, Z. K., Körtesi, P., Guncaga, J., Szabo, D., & Neag, R. (2020). Examples Of Problem-Solving Strategies In Mathematics Education Supporting The Sustainability Of 21st-Century Skills. *Sustainability*, 12(23), 10113.

- Thomson, S., Hillman, K., & Lisa De Bortoli. (2013). *A Teacher 's Guide to PISA Mathematical Literacy (Ke-1)*. ACER Press.
- Umay, A. (2003). The Ability Of Mathematical Reasoning. Hacettepe University, *The Journal of the Education Faculty*, 24, 234-243.
- Widana, I. W. (2016). *Penulisan Soal HOTS untuk Ujian Sekolah*. Jakarta: Direktorat Pembinaan SMA
- Widana, I. W. (2017). Higher Order Thinking Skills Assessment (HOTS). *JISAE: Journal of Indonesian Student Assessment and Evaluation*, 3(1), 32-44.
- Wijaya, A. (2016). Students' Information Literacy: A Perspective From Mathematical Literacy. *Journal on Mathematics Education*, 7(2), 73-82.
- Wulandari, E., & Azka, R. (2018). Menyambut PISA 2018: Pengembangan Literasi Matematika untuk Mendukung Kecakapan Abad 21. *De Fermat : Jurnal Pendidikan Matematika*, 1(1), 31–38.
- Yusup, F. (2018). Uji Validitas dan Reliabilitas Instrumen Penelitian Kuantitatif. *Jurnal Tarbiyah : Jurnal Ilmiah Kependidikan*, 7(1), 17–23. <https://doi.org/10.18592/tarbiyah.v7i1.2100>