

DAFTAR PUSTAKA

- Abdullah, R. (2012). Pembelajaran berbasis pemanfaatan sumber belajar. *Jurnal Ilmiah Didaktika*, 12(2), 216-231. <http://dx.doi.org/10.22373/jid.v12i2.449>.
- Abrami, P. C., Bernard, R. M., Borokhovski, E., Waddington, D. I., Wade, C. A., & Persson, T. (2014). Strategies for teaching students to think critically: A Meta-Analysis. *Review of Educational Research*, 20(10), 1–40. <https://doi.org/10.3102/0034654314551063>
- Aizikovitsh-udi, E. (2014). The extent of mathematical creativity and aesthetics in solving problems among students attending the mathematically talented youth program. *Creative Education*, 5(4), 228–241. doi: [10.4236/ce.2014.54032](https://doi.org/10.4236/ce.2014.54032).
- Alberta. (2007). The Alberta K–9 mathematics program of studies with achievement indicators. Canada: Alberta Education.
- Ananiadou, K. and M. Claro (2009). *21st century skills and competences for new millennium learners in OECD countries*. OECD Education Working Papers, No 41, OECD Publishing. <https://doi.org/10.1787/218525261154>.
- Anindyarini, R. (2017). Pemetaan aspek kognitif soal pada buku ajar matematika SMP kelas VII kurikulum 2013 edisi revisi. *Artikel Skripsi*, Universitas Muhammadiyah Surakarta, Jawa Tengah.
- Arends, R.I. dan A. Kilcher. (2010). *Teaching for Student Learning: Becoming an Accomplished Teacher*. Rotledge Taylor & Francis Group. New York and London.
- Arifin, Z., & Retnawati, H. (2017). Pengembangan instrumen pengukur higher order thinking skills matematika siswa SMA Kelas X. *Jurnal PYTHAGORAS: Jurnal Pendidikan Matematika*, 12(1), 98-108. <http://dx.doi.org/10.21831/pg.v12i1.14058>
- Beyer, Barry K. (1995). Critical Thinking. *Jurnal Phi Delta Kappa*, 7-33.
- Birgili, B. (2015). Creative and critical thinking skills in problem-based learning environments. *Journal of Gifted Education and Creativity*, 2(2), 71-80. DOI: 10.18200/JGEDC.2015214253.
- Bishop, Joseph. (2011). *Partnership for 21st century skills*. Diakses dari <https://www.ims.gov/assets/1/AssetManager/Bishop%20Pre-Con%202.pdf> pada tanggal 20 November 2018.
- Brewer, D. J., & C Stasz. (1966). *Enhancing opportunity to learn measures in NCES data*. Santa Monica: CA: RAND.

- Brookhart, S. (2010). *How to assess higher-order thinking skills in your classroom*. Alexandria, VA: ASCD.
- Charalombous, C. Y., Delaney, S., Hsu, H. Y., & Mesa, V. (2010). A comparative analysis of the addition and subtraction of fraction in textbooks from three countries. *Mathematical Thinking and Learning*, 12(2), 117-151.
- Cohen, L., Manion, L., & Morrison, K. (2007). *Research methods in education (6th ed.)*. London: Routledge.
- Cottrell, S. (2017). *Critical thinking skills developing effective argument and analysis 3rd edition*. Palgrave macmillan: Red Globe Press.
- Departemen Pendidikan Nasional. (2008). *Pengembangan bahan ajar dan media*. Jakarta: Departemen Pendidikan Nasional
- Direktorat Pembinaan Sekolah Menengah Atas. (2017). *Panduan implementasi kecapakapan abad 21 kurikulum 2013 di Sekolah Menengah Atas*. Jakarta: Dit, PSMA Ditjen Pendidikan Dasar dan Menengah.
- El-Sahili, A., Al-Sharif, N., & Khanafer, S. (2015). Mathematical Creativity: The Unexpected Links. *The Mathematics Enthusiast*, 12(1,2&3), 417–463. Diakses dari <http://scholarworks.umt.edu/tme/vol12/iss1/32>.
- Ennis, R. H. (1985). *A logical basis for measuring critical thinking skills*. USA: University of Illinois.
- Ennis, R. H. (2011). The nature of critical thinking: an outline of critical thinking dispositions, 1–8. Diakses dari https://education.illinois.edu/docs/default-source/faculty-documents/robert-ennis/thenatureofcriticalthinking_51711_000.pdf
- Facione, P. (2015). *Critical thinking: What it is and why it counts*. Millbrae, CA: Measured Reasons and The California Academic Press.
- Facione, P.A. & Gittens, C. A. (2013). *Think Critically*. 19-41. New Jersey: Prentice Hall.
- Firdaus, Ismail Kailani, Md. Nor Bin Bakar, Bakry. (2015). Developing critical thinking skills of students in mathematics learning. *Journal of Education and Learning*, 9(3), 226-236. Doi: [10.11591/edulearn.v9i3.1830](https://doi.org/10.11591/edulearn.v9i3.1830)
- Gani, A. R. A. (2008). Pengaruh tes formatif dan kemandirian belajar terhadap hasil belajar ekonomi siswa SMA. *Jurnal penelitian dan evaluasi pendidikan*, 12(2).
- Gardner, H. (1985). *Frames of mind: The theory of multiple intelligences*. New York: Basic Books.

- Guilford, J. P. (1967). *The nature of human intelligence*. New York: McGraw-Hill.
- Haggarty, L., & Pepin, B. (2002). An investigation of mathematics textbooks in England, France, and Germany: Some challenges for England. *Research in Mathematics Education*, 4(1), 127-144.
- Haxhihyseni, S. (2015). Creative thinking -perception of teachers in relation to its importance. *European Journal of Social Sciences Education and Research*, 3(2), 83-89.
- Houang, R. T., & Schmidt, W. H. (2008). TIMSS international curriculum analysis and measuring educational opportunities. *3rd IEA International Research Conference TIMSS*, 1-18. [https://doi.org/S1388-9842\(08\)00239-0](https://doi.org/S1388-9842(08)00239-0) [pii]n10.1016/j.ejheart.2008.05.011
- Hoven, J., & Garelick, B. (2007). Singapore math: Simple or complex?. *Educational Leadership*, 65(3), 28-31.
- Hsieh, H. F., & Shannon, S. E. (2005). Three approaches to qualitative content analysis. *Qualitative Health research*, 15(9), 1277-1288
- Johansson, M. (2005). The mathematics textbook: From artefact to instrument. *Nordic Studies in Mathematics Education*, 10(3-4), 43-64.
- Kaur, B. (2013). *Mathematics Education in Singapore*. Singapore: National Institute of Education.
- Kaur, B. (2014). *Mathematics education in Singapore: An insider's perspective*. National Institute of Education, Nanyang Technological University, Singapore.
- Kaur, B., Soh, C. K., Wong, K. Y., Tay, E. G., Toh, T. L., Lee, N. H., Ng, S. F., Dindyal, J., Yen, Y. P., Loh, M. Y., Tan, H. C. J., Tan, L. C. (2015). Mathematics education in Singapore. *The proceedings of the 12th International Congress on Mathematics Education*, 311-316, DOI 10.1007/978-3-319-12688-3_21.
- Kajander, A., & Lovric, M. (2009). Mathematics textbook and their potential role in supporting misconceptions. *International Journal of Mathematical Education in Science and Technology*, 40(2), 173-181.
- Kementerian Pendidikan dan Kebudayaan. (2016). *Permendikbud No 8 tahun 2016, tentang buku yang digunakan oleh Satuan pendidikan*.
- Kementerian Pendidikan dan Kebudayaan. (2016). *Permendikbud No 21 tahun 2016 tentang Standar isi mata pelajaran matematika*.
- Kemendikbud. (2016). *Permendikbud No 22 tahun 2016 tentang standar proses*

pendidikan dasar dan menengah.

- Kementerian Pendidikan dan Kebudayaan. (2016). *Permendikbud No 24 tahun 2016, tentang Kompetensi inti dan kompetensi dasar*. Jakarta: BSNP, Depdiknas.
- King, F.J, Goodson, L., & Rohani, F. (2006). *Higher order thinking skills: Definition, teaching strategies, and assesment*. London: A publication of the Educational Services Program.
- King, F.J., Goodson, L., & Rohani, F. (2015). Higher Order Thinking Skills. Diakses dari www.cala.fsu.edu/files/higher_order_thinking_skills.pdf pada tanggal 4 Januari 2016, jam 15.43 WIB.
- Kontorovich, I., Koichu, B., Leikin, R., & Berman, A. (2011). Indicators of creativity in mathematical problem posing: How indicative are they? In M. Avotiņa, D. Bonka, H. Meissner, L. Ramāna, L. Sheffield & E. Velikova (Eds.), *Proceedings of the 6th International Conference Creativity in Mathematics Education and the Education of Gifted Students* (pp. 120-125). Latvia: Latvia University
- Krippendorff, K.(2013). *Content analysis: an introduction to its methodology (Second ed)*. Thousan Oaks, CA: Sage Publivations, Inc.
- Kuntze, S, Udi, E. A, Clarke, D. (2017). Hybrid task design: connecting learning opportunities related to critical thinking and statistical thinking. *ZDM Mathematics Education*.
- Landis, J. R., & Koch, G. G. (2012). The measurement of observer agreement for categorical data. *Biometrics*, 33(1), 159–174. <https://doi.org/10.2307/2529310>
- Lemons, G. (2011). Diverse perspectives of creativity testing: Controversial issues when used for inclusion into gifted programs. *Journal for the Education of the Gifted* (Vol. 34). <https://doi.org/10.1177/0162353211417221>
- Liljedahl, P., & Sriraman, B. (2017). FLM publishing association musings on mathematical creativity musings on mathematical creativity, 26(1), 17–19.
- Maulana. (2017). *Konsep dasar matematika dan pengembangan kemampuan berpikir kritis-kreatif*. UPI: Sumedang Press.
- Majid, A & Rochman, C. (2014). *Pendekatan ilmiah dalam implementasi kurikulum 2013*. Bandung: PT Remaja Rosdakarya
- Mehrens, W.A. & Lehmann, I.J. (1973). *Measurement and evaluation in education and psychology*. New York:Macmillan.
- Mesa, V. & Griffiths, B. (2012). Textbook mediation of teaching: An example from

- tertiary mathematics instructors. *Education Study Mathematics*, 79,85-107.
- Ministry of Education (MOE, 2012). The Singapore education landscape. Retrieved 20 Juli 2018, from <http://www.moe.gov.sg/education/landscape/>
- Mullen, C. A. (2019). *Creativity Under Duress in Education ? Resistive Theories, Practices, and Actions*. Switzerland: Springer Nature Switzerland.
- Mulyasa. (2014). *Pengembangan dan Implementasi Kurikulum 2013*. Bandung: Remaja Rosdakarya.
- Munandar,U. (2009). *Pengembangan kreativitas anak berbakat*. Jakarta: Rineka cipta.
- Muslich, M. (2010). *Text book writing: Dasar-dasar pemahaman, penulisan, dan pemakaian buku teks*. Yogyakarta: Ar-Ruzz Media.
- Mullis, I. V. S., Martin, M. O., Foy, P., & Hooper, M. (2015). *TIMSS 2015 international result in mathematics timss & pirls international study center*. Lynch School Education, Boston Colledge.
- Nadjafikhah, M., & Yaftian, N. (2013). The frontage of creativity and mathematical creativity. *Procedia - Social and Behavioral Sciences*, 90(InCULT 2012), 344–350. <https://doi.org/10.1016/j.sbspro.2013.07.101>
- National Institute of Education. (2006). Diakses dari <http://www.math.unipa.it/~grim/SiFoong.PDF>, Ministry of Education Singapore.
- Nawzad, L., Rahim, D., & Wakil, K. (2018). The effectiveness of technology for improving the teaching of natural science subjects. *Indonesian journal of curriculum and educational technology studies*, 6(1), 15-21. <http://dx.doi.org/10.15294/ijcets.v3i1.8675>
- Nitko, A. J., & Brookhart, S. M. (2011). Higher-Order Thinking, Problem Solving, and Critical Thinking. In P. A. Smith (Ed.), *Educational assessment of students Sixth Edition* (Sixth, pp. 222–243). Boston: Pearson.
- Noer, S. H. (2010). Peningkatan kemampuan berpikir kritis, kreatif, dan reflektif (K2R) matematis siswa SMP melalui pembelajaran berbasis masalah. Disertasi Doktor pada SPS UPI.
- Noviana, E. (2017). Analisis pemahaman mahasiswa PGSD FKIP Universitas Riau terhadap pendekatan saintifikpada kurikulum 2013. *Jurnal Tunas Bangsa*. 4(2).

- Nuraini, N (2017). Analisis soal model pisa dalam buku siswa matematika kelas VII SMP/MTS semester I kurikulum 2013. *Artikel Skripsi*, Universitas Muhammadiyah Surakarta.
- Nuryanti, L., Zubaidah, S., Diantoro, M. (2017). Analisis kemampuan berpikir kritis siswa SMP. *Jurnal pendidikan* 3(2).
- OECD. (2015). *PISA 2015 Indonesia*. Diakses pada <https://www.oecd.org/pisa/PISA-2015-Indonesia.pdf> tanggal 25 November 2017 pukul 16:27.
- Pacific Policy Research Center. (2010). *21st century skills for students and teachers*. Honolulu: Kemehameha Schools, Research & Evaluation Division.
- Pepin, B. & Haggarty, L. (2001). Mathematics textbooks and their use in English, French and German classrooms: A way to understand teaching and learning cultures. *ZDM- The International Journal on Mathematics Education*, 33(5), 158-175.
- Peter, E.E. (2012). Critical thinking: Essence for teaching mathematics and mathematics problem solving skills. *African Journal of Mathematics and Computer Science Research*, 5(3), 39-43. DOI: [10.5897/AJMCSR11.161](https://doi.org/10.5897/AJMCSR11.161)
- Piawa, C. Y. (2010). Building a test to assess creative and critical thinking simultaneously. *Procedia - Social and Behavioral Sciences*, 2(2), 551–559. <https://doi.org/10.1016/j.sbspro.2010.03.062>
- Purnomo, Suryo & Dafik. (2015). Analisis respon siswa terhadap soal pisa konten shape and space dengan Rasch model. *Seminar Nasional Matematika dan Pendidikan Matematika UNY*.
- Rahmi. (2013). Menciptakan pembelajaran matematika yang kreatif dan menyenangkan. *Menara Ilmu*, 7(40).
- Ramadhani, T. H., & Tarsidi, I. (2017). Penerapan pendekatan matematika realistik untuk meningkatkan kemampuan operasi hitung pecahan pada siswa tunarungu kelas V SDLB. *Jassi Anakku*, 18, 55–61.
- Ramda, A. H. (2016). Analisis kesesuaian materi buku teks Kemendikbud matematika SMP kelas VII edisi revisi 2014 dengan kurikulum 2013. *Tesis*, Universitas Negeri Yogyakarta, Yogyakarta.
- Remillard, J. T. (2000). Can curriculum materials support teachers' learning? Two fourth-grade teachers' use of a new mathematics text. *The Elementary School Journal*, 100(4), 331-350. <http://dx.doi.org/10.1086/499645>.
- Retnawati, Heri. (2015). *Analisis Kuantitatif Instrumen Penelitian (Panduan Peneliti, Mahasiswa, dan Psikometrian)*. Yogyakarta: Parama Publishing.

- Reynolds, C. R., Livingston, R.B., & Willson, V. (2010). *Measurement and assessment in education*(2nd edition). Upper Saddle River, NJ: Pearson Education, Inc.
- Rizkianto, I. & Santosa, R. H. (2017). Analisis buku matematika siswa SMP kurikulum 2013. *Jurnal Mosharafa* 6(2).
- Santrock, J. W. (2011). *Psikologi Pendidikan Edisi Kedua*. Jakarta: Kencana
- Schafersman, Steven D. (1991). *An Introduction to Critical Thinking*. Diakses dari <http://www.freeinquiry.com/critical-thinking.html> pada 27 Mei 2018.
- Schmidt, W. H., McKnight, C. C., Valverde, G. A., Houang, R. T., & Wiley, D. E. (1997). *Many visions, many aims: A cross-national investigation of curricular intentions in school mathematics*. Dordrecht: Kluwer Academic Publishers
- Silalahi, S. M., & Chang, C. C. (2017). A comparative study of geometry problems in junior secondary mathematics textbooks from US, Singapore, and Indonesia. *International Journal of Management and Applied Science*, 3(11), 65–68.
- Silver, E. (1997). Fostering creativity through instruction rich in mathematical problem solving and problem posing. *ZDM - International Journal on Mathematics Education*, 29(3), 75–80. <https://doi.org/10.1007/s11858-997-0003-x>
- Singer, F. M. (2018). *Mathematical Creativity and Mathematical Giftedness*. Switzerland: Springer International Publishing.
- Siswono, T. Y. E. (2010). Leveling Students' Creative Thinking in Solving and Posing Mathematical Problem. *Jurnal on Mathematics Education*, 1(1), 17–40. <https://doi.org/http://dx.doi.org/10.22342/jme.1.1.794.17-40>
- Soeyono, Y. (2014). Pengembangan Bahan Ajar Matematika dengan Pendekatan Open-ended dalam Rangka Peningkatan Kemampuan Berpikir Kritis dan Kreatif Siswa SMA kelas X. Tesis. PPS-UNY.
- Sugihartono, dkk. (2012). *Psikologi Pendidikan*. Yogyakarta: UNY Press.
- Suherman, E. (2001). *Strategi pembelajaran matematika kontemporer*. Bandung: JICA.
- Sunday, A. S. (2014). Mathematics textbook analysis: A study on recommended mathematics textbooks in school use in southwestern states of Nigeria. *European Scientific Journal*, 1(September), 140–151.

- Suyatno, Murtiyasa, B. & Maryadi. (2016). Tingkat kognitif soal latihan berdasarkan taksonomi TIMSS pada buku teks matematika SMP/MTS kelas VIII kurikulum 2013. *Artikel tesis*, Universitas Muammadiyah Surakarta.
- Syutharidho & Rakhmawati, R. (2015). Pengembangan soal berpikit kritis untuk siswa SMP kelas VIII. *Al-jabar: Jurnal Pendidikan Matematika*, 6(2), 219-227.
- Tarigan, D. & Tarigan, H. G. (2009). *Telaah buku teks bahasa indonesia*. Bandung: Angkasa.
- Törnroos, J. (2005). Mathematics textbooks, opportunity to learn and student achievement. *Studies in Educational Evaluation*, 31(4), 315–327. <https://doi.org/10.1016/j.stueduc.2005.11.005>
- Trilling, B., & Fadel, C. (2009). *21st Century Skills: Learning for life in our times*. San Francisco: Jossey-Bass
- Tsai, K. C. (2013). Being a critical and creative thinker : A balanced thinking mode. *Asian Journal of Humanities and Social Sciences*, 1(2), 1–9.
- Ülger, K. (2016). The relationship between creative thinking and critical thinking skills of students öğrencilerin yaratıcı düşünme ve eleştirel düşünme becerileri arasındaki ilişki, 31(4), 695–710. <https://doi.org/10.16986/HUJE.2016018493>
- Uno, H. B. (2008). *Perencanaan Pembelajaran*. Jakarta : Bumi Aksara
- Valverde, G.A., Bianchi, L. J., Wolfe, R.G., Schmidt, W. H., & Houg, R.T. (2002). *According to the book. using TIMSS to investigate the translation of policy into practice through the world of textbooks*. Dordrecht: Kluwer Academic Publisher.
- Wardhani, S. & Rumiayati. (2011). *Instrumen penilaian hasil belajar matematika SMP: Belajar dari PISA dan TIMSS*. Yogyakarta: Pusat Pengembangan dan Pemberdayaan Pendidik dan Tenaga Kependidikan (PPPPTK) Matematika.
- Wegerif, R., & Dawes, L. (n.d.). *Thinking and Learning with ICT: Raising Achievement in Primary Classrooms*.
- Weinberg, A. & Wiesner E. (2011). *Understanding mathematics textbooks through reader-oriented theory*. *Educ Stud Math*. 76:49-63.
- Wijaya, A., van den Heuvel-Panhuizen, M., & Doorman, M., & Robitzsch, A. (2014). Difficulties in solving context-based PISA mathematics tasks: An analysis of students' errors. *The Mathematics Enthusiast*, 11(3), 555-584.
- Wijaya, A., van den Heuvel-Panhuizen, M., & Doorman, M. (2015). Opportunity-to-learn context-based tasks provided by mathematics textbooks. *Educational*

Studies in Mathematics, 89(1), 41–65. <https://doi.org/10.1007/s10649-015-9595-1>.

Yang, D. C., Sianturi, I. A. (2017). An analysis of Singaporean versus Indonesian textbooks based on Trigonometry. *EURASIA Journal of Mathematics Science and Technology Education* 13(7). DOI [10.12973/eurasia.2017.00760a](https://doi.org/10.12973/eurasia.2017.00760a).

Yen, T. S., & Halili, S. H. (2015). Effective teaching of Higher-Order Thinking (HOT) in education. *The Online Journal of Distance Education and E-Learning (TOJDEL)*, 3(2), 41–47.