

DAFTAR PUSTAKA

- Ali, M. (2009). *Pendidikan untuk pembangunan nasional*. Bandung: IMTIMA.
- Ahmed, W., & Bruinsma M.A. (2006). Structural model of self-concept, autonomous motivation and academic performance in cross-cultural perspective. *Rev Electron Investig Psicoeduc Psigopedag*. 2006;4(3).
- Ayal, C.S. (2015). *Peningkatan kemampuan penalaran dan berpikir kreatif matematis serta self-directed learning siswa smp dengan menggunakan strategi mind mapping*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Ary, D., Jacobs, L.C., & Sorensen, C.K. (2010). *Introduction to research in education* (8th ed.). Canada: Wadsworth.
- Arikunto, S. (2012). *Dasar-dasar evaluasi pendidikan*. Jakarta: Bumi Aksara.
- Birenbaum, M., & Dochy, F.J.R.C. (1996). *Alternatives in assessment of achievements, learning processes, and prior*. New York: Springer Science Business Media.
- Briggs, M., & Davis, S. (2008). *Creative teaching mathematics in the early years and primary classroom*. New York: Madison Eve.
- BSNP. (2006). *Panduan penyusunan kurikulum tingkat satuan pendidikan jenjang pendidikan dasar dan menengah*. Jakarta: BSNP.
- Canadas, M., & Castro, E.C.E. (2009). Using a model to describe student's inductive reasoning in problem solving. *Electronics Journal of Research in Elementary Psychology*. Vol 7(1), 261-278.
- Copi, I.M. (1978). *Introduction to logic*. New York: Macmillan Publishing.
- Creswell, J.W. (2012). *Educational research: planing, conducting, and evaluating quantitative and qualitative research* (4th ed.). Boston: Pearson.
- Deci, E.L., & Ryan, R.M. (1985). *Intrinsic motivation and self-determination in human behaviour*. New York: Plenum.
- Deci, E.L & Ryan, R.M. (2000). Self-determination theory and the facilitation of intrinsic motivation, social development, and well-being. *American Psychologist*, 55 (1), 68-78.
- Departemen Pendidikan Nasional. (2008). *Panduan analisis butir soal*. Jakarta: Depdiknas.
- Djamarah, S.B. (2008). *Psikologi belajar*. Jakarta: Rineka Cipta
- Evans, J.R. (1991). *Creative thinking in the decision and management sciences*. Cincinnati, Ohio: South-Western Publishing Co.
- Fatah, A. (2015). *Peningkatan kemampuan berpikir kreatif, pemecahan masalah, dan self-esteem siswa sma melalui pembelajaran dengan pendekatan open-ended*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Fraenkel, J.R., Wallen, N. E., & Hyun, H.H. (2012). *How to design and evaluate research in education* (8th ed.). New York: McGraw-Hill.

- Fisher, H.R. (1995). *Teaching children to think*. Cheltenham, London: Nelson Thornes Ltd.
- Field, S., Martin, J., Miller, J., Ward, R., dan Wehmeyer, M.(1998). *A practical guide for teaching self-determination*. Virginia: The Council for Exceptional Children.
- Filsaime, D.K. (2008). *Menguakrasi berpikir kritis dan kreatif*. Jakarta: Prestasi Pustakarya.
- Fontana, D. (1981). *Psychology for teachers*, London: The British Psychological Society.
- Gage, N.L., & Berliner, D.C. (1988). *Educational psychology*. Boston: Houghton Mifflin Company.
- Gunawan, H. (2010). *Analisis kontendancapaian siswaindonesiadalam TIMSS (Trends in International Mathematics and Science Study) Tahun 1999, 2003, dan 2007*. Editor: Salim, A. Pusat Penilaian Pendidikan Badan Penelitian dan Pengembangan. Jakarta: Kemdiknas.
- Haylock, D. (1997). Recognising mathematical creativity in schoolchildren. *ZDM*. Volum 29 (June 1997) Number 3. Electronic Edition ISSN 1615-679X.
- Hayamizu, T. (1997). Between intrinsic motivation and extrinsic motivation examination of reasons for academic study based on theory of internalisation. *Internalisation. Japanese Psychological Research*, 39 (2), 10.
- Harris, R. (1998). *Introduction to creative thinking*. [Online]. Tersedia: www.Virtualsalt.com/crebook1.htm.
- Hake, R.R. (1999). *Analyzing change/ gain/ scores*. [Online]. Tersedia: <http://www.physics.indiana.edu/~sdi/Analyzingchange-Gain.pdf>.
- Holyoak, K.J., dan Morrison, R.G. (2005). *The cambridge handbook of thinking and reasoning*. NY: Cambridge University Press.
- Koludrovic, M., & Ercegovac, I.R. (2015). Akademska motivacija u kontekstu teorije samoodređenja u inicijalnom obrazovanju budućih učitelja i nastavnika. *Croatian Journal of Education*, 17(1), 25-36, <http://doi.org/10.15516/cje.vv17i0.1488>.
- Kemdikbud. (2013). *Pengembangan kurikulum 2013*. Paparan Mendikbud dalam Sosialisasi Kurikulum 2013. Jakarta: Kemdikbud.
- Kemdikbud (2013). *Kompetensi dasar matematika SMP/MTs dan SMA/MA*. Jakarta: Kemdikbud.
- Kemdikbud. 2013. *Pendekatan scientific (ilmiah) dalam pembelajaran*. Jakarta: Pusbangprodik.
- Kemdikbud (2017). *Konferensi pers UN 2017 jenjang smp: un untuk memantau, mendorong, dan mendorong mutu pembelajaran*. Jakarta: Kemdikbud
- Kementerian Pendidikan dan Kebudayaan. (2016). *“PISA (programme for international assessment)”*. [Online]. Tersedia: <http://litbang.kemdikbud.go.id/index.php/survei-internasional-pisa>.
- Killen, R. (1998). *Effective teaching strategies*. Katoomba: Social Science Press.

- Kattou, M., Christou, C., Pitta-Pantazi D., Christou, C. (2013). Does mathematical creativity differentiate mathematical ability? CERME 7. *Congress of the European Society for Research in Mathematics Education*.
- Kartini. (2012). *Peningkatan kemampuan berpikir kritis dan kreatif serta belief matematis siswa sekolah menengah atas melalui pembelajaran inkuiri model alberta*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Kosko, K.W. (2010). *Mathematical discussion and self-determination theory*. Disertasi Pengajaran dan Kurikulum. Virginia Polytechnic Institute and State University.
- Leys, C., & Schumann, S. (2010). A nonparametric method to analyze interactions: The adjusted rank transform test. *Journal of Experimental Social Psychology*. 46 (2010) 684-688
- Lithner, J. (2008). A research framework for creative and imitative reasoning. *Educational Studies in Mathematics*, Vol. 67, No. 3
- Lim, S.Y., & Chapman, E. (2013). Adapting the academic motivation scale for in pre-tertiary mathematics classrooms. *Mathematics Education Research Journal*, 1-27. <http://doi.org/10.007/s13394-014-0140-9>.
- Majaya, L. (2013). *6 Pola sukses mendidik anak jadi kreatif: Merevolusi Cara Berpikir Anak Indonesia*. Jakarta: PT. Gramedia.
- Marzano, R.J, et al. (1989). *Dimensions of thinking: a framework for curriculum and instruction*. Alexandria US: ASCD Publication.
- Marzano, R.J., Pickering, & McTighe. (1993). *Assessing student outcomes: performance assessment using the dimension of learning model*. Alexandria: ASCD Publication.
- Miessner, H. (2007). *Creativity and mathematical education*. [Online]. Tersedia: <http://www.math.ecnu.edu.cn/earcome3/sym104.pdf>.
- Mann, E.L. (2005). *Mathematical creativity and school mathematics: indicators of mathematical creativity in middle school students*. Disertasi. Pada University of Connecticut.
- Munandar, S.C.U. (1999). *Mengembangkan bakat dan kreativitas anak sekolah*. petunjuk bagi guru dan orang tua. Jakarta: PT. Gramedia Widiasarana Indonesia.
- Munandar, S.C.U. (2002). *Kreativitas dan keberbakatan strategi mewujudkan potensi kreatif dan bakat*. Jakarta: Granada Pustaka Utama.
- Mullis, I.V.S. & Martin, M.O. (2013). *TIMSS 2015 Assessment frameworks*. Martin, M.O (Editor). TIMSS & PIRLS International Study Center, Lynch School of Education, Boston College and International Association for the Evaluation of Educational Achievement (IEA).
- Naidu, S. (2005). *Learning and teaching with technology: principles and practices*. Taylor And Francis e-Library.
- Nizam. (2016). Ringkasan hasil-hasil asesmen: belajardari hasil UN, PISA, TIMSS, INAP. Jakarta: PuspendikBalitbangKemdikbud
- Noer, S.H. (2010). *Peningkatan kemampuan berpikir kritis, kreatif, dan*

- reflektif (k2r) matematis siswa smp melalui pembelajaran berbasis masalah (studi pada siswa smp negeri kota bandar lampung).* (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Niemiec, C.P., & Ryan, R.M. (2009). Autonomy, competence, and relatedness in the classroom: applying self-determination theory to educational practice. *Theory and Research in Education*, 7, 133-144.
- NCTM.(2000). *Principles and standards for school mathematics*. Reston, VA: NCTM.
- NRC. (2001). *Improving mathematics education: resources for decision making*. Steve Leinwand and Gail Burrill (Editors). Washington, DC: National Academy Press.
- Prayitno, E. (1989). *Motivasi dalam belajar*. Jakarta: Depdikbud DIKTI PROYEK PENGEMBANGAN LPTK.
- Pepin, B., & Son, J.W. (2015). Motivation, beliefs, and attitudes towards mathematics and its teaching. In S. J. Cho (Ed.). *The Proceedings of the 12th International Congress on Mathematics Education*, 523-527. Seoul: Springer. <http://doi.org/10.1007/978-3-319-12688-3>.
- Posamentier, A.S., dan Krulik, S. (2012). *The art of motivating students for mathematics instruction*. New York: McGraw-Hill Companies, Inc.
- Rakhilawati, E. (2014). *Program bimbingan belajar untuk meningkatkan motivasi berprestasi siswa*. (Tesis) Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Rahmawati. (2016). Hasil TIMSS 2015: diagnosa hasil untuk perbaikan mutu dan peningkatan pencapaian. Jakarta: Puspendik.
- Rohaeti, E. (2008). *Pembelajaran dengan pendekatan eksplorasi untuk mengembangkan kemampuan berpikir kritis dan kreatif matematis siswa sekolah menengah pertama*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Ratnaningsih. (2007). *Pengaruh pembelajaran kontekstual terhadap kemampuan berpikir kritis dan kreatif matematik siswa sekolah menengah atas*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Risnanosanti. (2010). *Kemampuan berpikir kreatif matematis dan self-efficacy terhadap matematika siswa sekolah menengah atas (sma) dalam pembelajaran inkuiri*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Rohana. (2015). *Peningkatan kemampuan penalaran dan komunikasi matematis, serta karakter mahasiswa calon guru melalui pembelajaran reflektif*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Ruseffendi, E.T. (2010). *Dasar-dasar penelitian pendidikan & bidang non-eksakta lainnya*. Bandung: Tarsito.
- Sanjaya, W. (2012). *Strategi pembelajaran berorientasi standar proses pendidikan*. Jakarta: Kencana Prenada Media Group.

- Schunk, D.H., Pintrich, P.R. dan Meece, L. (2010). *Motivation in education: theory, research, and application (third edition)*. London: Pearson Education LTD.
- Stacey, K., Almuna, F., Caraballo, R.M., Chesne, J.F., Garfunkel, S., Gooya, Z., Kaur, B., Lindenskov, L., Park, K.M., Perl, H., Rafiepour, A., Rico, L., Salles, F., Zulkardi, Z. (2015). PISA's influence on thought and action in mathematics education. Stacey, K., Turner, R. (eds). *Assessing Mathematical Literacy*. Springer International Publishing. Switzerland.
- Suherman, E dan Kusumah, Y.S. (1990). *Petunjuk praktis untuk melaksanakan evaluasi pendidikan matematika*. Bandung: Widyakusuma.
- Susanti, E. (2014). *Pendidikan matematika realistik berbantuan komputer untuk meningkatkan higher-order thinking skills dan mathematical habits of mind siswa SMP*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Sulowska, A. (2015). Coding mathematics items in the PISA assessment. Stacey, K., Turner, R. (eds). *Assessing Mathematical Literacy*. Springer International Publishing. Switzerland.
- Setiawati, E. (2014). *mengembangkan kemampuan berpikir logis, kreatif, dan habits of mind matematis melalui pembelajaran berbasis masalah*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Siswono, T.Y.E. (2007). *Penjenjangan kemampuan berpikir kreatif dan identifikasi tahap berpikir kreatif siswa dalam memecahkan dan mengajukan masalah*. (Disertasi). Pendidikan Matematika. UNESA. Surabaya.
- Sumarmo, U. (2013). *Berpikir dan disposisi matematika serta Pembelajarannya*. Jurusan Pendidikan Matematika. FPMIPA. UPI: Bandung.
- Sumarmo, U. (2014). *Asesmen soft skill dan hard skill matematika siswa dalam kurikulum 2013*. Makalah pada STAIN Batusangkar. Tidak diterbitkan.
- Sagala, S. (2009). *Konsep dan makna pembelajaran*. Bandung: Alfabeta.
- Silver, E.A. (1997). *Fostering creativity through instruction rich in mathematical problem solving and problem posing*. *Zentralblatt für Didaktik der Mathematik (ZDM)-The international journal on mathematics education*.
- Schliemann, D.A., dan Carraher, D.W. (2002). The evolution of mathematical reasoning: everyday versus idealized understandings. *Elsevier Science: Developmental Review* 22, 242–266.
- Susilo, F. (2011). *Landasan matematika*. Yogyakarta: Graha Ilmu.
- Shadiq, F. (2004). *Penalaran, pemecahan masalah dan komunikasi matematika*. Diklat Instruktur/ Pengembangan Matematika SMP Jenjang Dasar. PPPG Matematika. Yogyakarta.
- Sternberg, R.J. (2006). *Creativity as a habit*. Online. Tersedia di: http://www.Worldscibooks.com/etextbook/6211/6211_chap01.pdf.

- Taylor, G., Jungert, T., Mageau, G.A., Schattke, K., Dedic, H., Rosenfield, S., Koestner, R. (2014). A self-determination theory approach to predicting school achievement over time: The Unique Role of Intrinsic Motivation. *Contemporary Educational Psychology*, 39(2014) 342-358.
- Treffinger, D.J. (1980). A preliminary model of creative learning dalam *Gifted Child Quarterly* 24f 127-138.
- Tandiseru, S.R. (2015). *Peningkatan keterampilan berpikir kreatif, pemecahan masalah matematis, dan self-awareness siswa melalui model pembelajaran matematika heuristik-kr berbasis budaya*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Sawyer, R.K. (2006). *Explaining creativity: the science of human innovation*. New York: Oxford University Press.
- Siregar, N. (2016). MCREST as an alternative learning strategy for students in learning algebra. Proceeding in The 4th International Symposium on Mathematics Education Innovation SEAMEO Regional Centre for QITEP in Mathematics.
- Siregar, N, Kusumah, Y.S., Sabandar, J., Dahlan, J.A (2017). Learning algebra through MCREST strategy in junior school students. *Journal of Physics: Conference series*. IOP Publishing.
- Wadsworth, & Barry, J. (1984). *Piaget's theory of cognitive and affective development (3rd edition)*. New York: Longman Inc.
- Wardhani, S. (2008). *Analisis SI dan SKL matapelajaran matematikasm/mts untuk optimalisasi tujuan matapelajaran matematika*. Pusat Pengembangan dan Pemberdayaan Pendidik dan Tenaga Kependidikan Matematika. Yogyakarta.
- Wahyudin. (1999). *Kemampuan guru matematika, calon guru matematika, dan siswa dalam mata pelajaran matematika*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Yelon, S.L., dan Grace, W.W. (1977). *A teachers' world, psychology in the classroom*. Tokyo: Mc Graro – Hill Kogokusha.
- OECD (2013). *PISA 2015 draft mathematics framework*. Paris: OECD Publishing.
- OECD (2016). *Education at a glance 2016: OECD Indicators*. Paris: OECD Publishing.
- OECD (2016a). *PISA 2015 result in focus paris*. Paris: OECD Publishing.
- World Economic Forum. (2016). *The global competitiveness report 2016–2017. insight report*. Geneva: World Economic Forum.
- Wong, Y.K. (2014). M_CREST: A framework of motivation to learn mathematics. Toh, P.C., Toh, T.L., dan Kaur, B (Eds). *Learning Experiences to Promote Mathematics Learning* (pp 13-40). Singapore: World Scientific.

