

DAFTAR PUSTAKA

- Arthur, L.B.(2008). *Problem Solving*. USA: Wikimedia Foundation, Inc.
- Bee, et. al. (2017). Fostering Critical and Reflective Thinking in an Authentic Learning Situation. *Journal of Early Childhood Teacher Education Vol. 6 (11)*, pp. 130-138
- Boyes & Watts. (2009). *Developing Habits of Mind in Secondary Schools*. Virginia: Association for Supervision and Curriculum Development (ASCD).
- Branca, N.A. (1980). Problem Solving as Goal, Process, and Basic Skill. *Problem Solving in School Mathematics*. Reston, VA: National Council of Teachers of Mathematics (NCTM), Inc, pp. 3-8.
- Costa, A. L. (2001). *Developing Minds: A Resource Book for Teaching Thinking*. Virginia USA: ASCD.
- Costa & Kallick, B. (1996). *Learning and Leading with Habits of Mind: 16 Assential Characteristics for Success*. New York: Environmental Friendly Paper.
- _____ (2009). *Habits of Mind: Across the Curriculum Practical and Creative Strategies for Teacher*. Virginia: Association for Supervision and Curriculum Development (ASCD).
- _____ (2011). *Discovering and Exploring Habits of Mind*. California: Middle Years of Schooling Association.
- _____ (2012). *Belajar dan Memimpin dengan “Kebiasaan Berpikir”*. Jakarta: Indeks.
- Creswell, J. W. (2010). *Research Design: Pendekatan Kualitatif, Kuantitatif, dan Mixed*. Yogyakarta: Pustaka Pelajar.
- Cuoco, A. (2010). Habits of Mind: An Organizing Principle for Mathematics Curricula. *Journal of Mathematical Behavior, 15*, pp. 375 – 402.

- Danoebroto, S.W. (2015). Teori belajar konstruktivis Piaget dan Vygotsky. *Indonesian Digital Journal of Mathematics and Education*. 2(3). pp.191-198
- De Corte, E., F. Depaepe, dan L. Verschaffel. (2006). Investigating Social and Individual Aspects in Teachers, Approach to Mathematical Problem Solving. *Proceeding of the 30th conference of the international group for the psychology of mathematics education vol.2*, pp.417-424. [online] Tersedia: <http://www.emis.de/proceedings/PME30>
- Duhigg, C. (2012). *The Power of Habit*. Bureau: Random House.
- Elyousif, Y.A.K., & Abdelhamied, N.E. (2013). Assessing Secondary School Teachers' Performance in Developing Habits of Mind for the Students. *International Interdisciplinary Journal of Education*. Volume 2, Issue 2.
- Fardillah, F. (2016). *Kemampuan Literasi dan Disposisi Statistik Mahasiswa melalui Pendekatan Rigorous Mathematical Thinking (RMT)*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Feuerstein, R. (2000). *Mediated Learning Experience, Instrumental Enrichment and the learning propensity assessment device*. Jerussalem: the interdisciplinary council on developmental and learning disorders, Bethesda.
- _____.(2007). An interview with Feurstein – Louis Falik (LK) Interview with Reuvan Feurstein (RF). *Journal of Cognitive Education Psychology*, Vol. 6 (2), pp. 272-280.
- Fisher, R. (2015). *Teaching Children to Think*. Cheltenham: Nelson Thornes Ltd.
- Fitriyani, H. (2010). The Student Thinking Process of Junior High School in Solving the Geometry Problem Seen from the Rigorous Mathematical Thinking (RMT) Paradigm. *Prosiding Seminar Nasional Pendidikan Matematika Universitas Muhammadiyah Malang 2010*, ISBN: 978-979-796-153-4.

- Fitriyani, H. & Hasanah, U. (2017). Student's Rigorous Mathematical Thinking Based on Cognitive Style. *IOP Conf. Series: Journal of Physics: Conf. Series* 943 (2017) 012055.
- Gagne, et al. (1992). *Principles of Instructional Design*. Florida: Hotland Winston.
- Hake,R,R. (1999). Interactive- engangement Versus Traditional Methods: A six-Thousand- Student Survey of Mechanics Test Data for Introductory Physics Courses. *American Journal of Physics*, Vol. 66 (1), pp. 64-74.
- Herdiana, Y., Wahyudin, & Sispiyati, R. (2017). Effectiveness of Discovery Learning Model on Mathematical Problem Solving. *American Institute of Physics (AIP) Conference Proceeding* 1868 (2017) 050028.
- Hendrayana, A. (2016). Pengaruh Pembelajaran Pendekatan Rigorous Mathematical Thinking (RMT) terhadap Pemahaman Konseptual, Matematis Siswa SMP. *Jurnal Riset Pendidikan Matematika* 4 (2) ISSN 2477-1503, 186-199.
- Hidayat, D., Nurlaelah, E.,& Dahlan, J.A. (2017). Rigorous Mathematical Thinking Approach to Enhance Students' Mathematical Creative and Critical Thinking Abilities. *IOP Conf. Series: Journal of Physics: Conf. Series* 895 (2017) 012087.
- Hudoyo. (1997). *Mengajar Belajar Matematika*. Jakarta: Direktorat Jendral Pendidikan Tinggi.
- Jones, M. G & Araje, L.B. (2002). The Impact of the Constructivism on Education: Language, Discourse, and Meaning. *American Communication Journal*, Vol. 5, Issue 3.
- Juwita, H. (2017). *Peningkatan Kemampuan Pemecahan Masalah Matematis dan Self Efficacy Siswa MTs melalui Model Pembelajaran POGIL*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Kalpana, T. (2014). A Constructivist Perspective on Teaching and Learning Conceptual Framework. *International Research Journal of Social Sciences*, Vol. 3 (1), 27-29.

- Keeler, M. L. and Swanson, H. L. (2001). Does Strategy Influence Working Memory in Children with Mathematical Disabilities?. *Journal of Learning Disabilities*, Vol. 34 No. 5, pp. 418-434
- Kemendikbud. (2016). *Silabus Mata Pelajaran Matematika Sekolah Menengah Pertama/ Madrasah Tsanawiyah (SMP/MTs)*. Jakarta: Kementerian Pendidikan dan Kebudayaan.
- Kinard, J.T., & Kozulin, A. (2005). Rigorous Mathematical Thinking: Mediated Learning and Psychological Tools. *Focus on Learning Problem in Mathematics*, 27 (3), pp. 123-124.
- _____. (2006). Creating Rigorous Mathematical Thinking: A Dynamic that Drives Mathematics and Sciences Conceptual Development. *Transylvanian Journal of Psychology*, 2 (2).
- Kinard, J.T. & Kozulin, A. (2008). *Rigorous Mathematical Thinking: Conceptual Formation in the Mathematics Classroom*. Cambridge: Cambridge university press.
- Kirschner, Sweller, & Clark. (2006). During Instruction Does Not Work: An Analysis Why Minimal Guidance of the Failureof Constructivist, Discovery, Problem Based Experimental, and Inquiry-Based Teaching. *Educational Psychologist*, 41(2). Hlm. 75-86.
- Konzulin, A. (2002). Sociocultural Theory and the Mediated Learning Experience. *School Psychology International*, Vol. 23 (1), pp. 7-35.
- Krulik S., & Rudnick J.A. (1996). *The New Source for Teaching Reasoning and Problem Solving in Junior and Senior High School*. Boston: Allyn and Bacon.
- Lally, P., Potts, H. W., & Wardlw, J. (2010). “Hpw are Habits Formed: Modelling Habit Formation in the Real World”. *Eurooupean Journal of Social Psychology*, Vol. 40 Issue 6, pp. 998-1009.
- Lestari, D. S. & Haryani, S. (2015). Pengembangan Instrumen Penilaian Habits of Mind pada Pembelajaran IPA Berbasis Proyek Tema Pencemaran

- Lingkungan untuk Siswa SMP. *Unnes Science Educational Journal* 4. (1). ISSN 2252-6617.
- Lestari, K. E. & Yudhanegara, M. R. (2015). Penelitian Pendidikan Matematika. Bandung: PT. Refika Aditama.
- Lester, F.K. and Kroll, D.L. (1990). Assessing students growth in mathematical problem solving. Dalam G. Kulm (Ed). *Assessing high order thinking in mathematics*. Washington: American association for the advancement of science.
- Lim, K. (2013). *General and Mathematical Habits of Mind: An Overview*. San Diego: University of Texas at El Paso.
- Ministry of Education of Singapore [MoE]. (2006). *Secondary Mathematics Syllabuses*. Singapore: Ministry of Education.
- Mudyahardjo, Redja. 2014. *Pengantar Pendidikan, Sebuah studi awal tentang dasar-dasar pendidikan pada umumnya dan pendidikan di Indonesia*. Jakarta: PT Raja Grafindo Persada
- Muflihatussyarifah. (2016). *Visual Thinking dan Habits of Striving for Accuracy and Precision Siswa melalui Model CORE disertai Aktivitas Quick on the Draw*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Musser, G. L., Burger, W. F., & Peterson, B. E. (2011). *Mathematics for elementary teachers, a contemporary approach (9th ed.)*. Hoboken: John & Willey, Inc
- Muthmainnah. (2017). *Peningkatan Kemampuan Berpikir Aljabar dan Mathematical Habits of Mind Siswa dengan Pendekatan Rigorous Mathematical Thinking (RMT)*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Napitulu, E. E. (2011). *Pengaruh Pembelajaran Berbasis Masalah atas Kemampuan Penalaran dan Pemecahan Masalah Matematis Serta Sikap*

- Terhadap Matematika Siswa Sekolah Menengah Atas.* (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Napitulu, E. E. & Mansyur, A. (2011). Kemampuan Pemecahan Masalah Matematika Siswa (Studi Kasus di SMA Negeri 1 Parompong Kabupaten Bandung Barat). *Jurnal Generasi Kampus Vol. 4 No.1*, ISSN 1978-869x, April 2011.
- NCTM. (2000). *Principle and standards for school mathematics*. RestonVA: National Council of Teachers of Mathematics.
- _____. (2010). *Agenda for Action: Problem Solving*. [Online]. Tersedia <http://nctm.org>
- NRC. (1989). *Everybody Counts. A Report to the Nation on the Future of Mathematics Education*. Washington DC: National Academy Press.
- Orosco, M. J., Lussier, C. M. & Swanson, H. L. (2015). Cognitive Strategies, Working Memory, and Growth in Word Problem Solving in Children with Math Difficulties. *Journal of Learning Disabilities, Vol. 48 (4)*, pp. 339-358,
- Polya, G. (1994). *How to Solve It: A New Aspect of Mathematical Method*. Princeton, NJ: Princeton Science Library Printing.
- Pope, T. & Blake, B. (2008). Developmental Psychology Incorporating Piaget's and Vygotsky Theories in Classroom. *Journal of Cross-Disciplinary Perspective in Education Vol. 5 (1)*, pp. 40-46
- Ruseffendi. (2006). *Pengantar Kepada Membantu Guru Mengembangkan Kompetensinya dalam Pengajaran Matematika Untuk Meningkatkan Cara Belajar Siswa Aktif (CBSA)*. Bandung: Tarsito
- _____. (2010). *Statistika Dasar untuk Penelitian Pendidikan*. Bandung: IKIP Bandung Press.
- Sahrudin, A. (2016). Implementasi Pembelajaran *Mean-Ends Analisys* untuk Meningkatkan Kemampuan Pemecahan Masalah Matematika Mahasiswa. *Jurnal Pendidikan Unsika. Vol. 4, No. 1, ISSN:2338-2996*, Maret 2016.

- Salwah. (2014). *Peningkatan Kemampuan Berpikir Kritis Matematis dan Habits of Striving for Accuracy and Precision (HSAP) melalui Pendekatan Realistic Mathematics Education (RME) Berbasis Gaya Kognitif Siswa Kelas VII.* (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Shadiq, F. (2007). *Laporan Hasil Seminar dan Lokakarya Pembelajaran Matematika 15-16 Maret 2007 di P4TK (PPPG) Matematika.* Yogyakarta.
- Silaban, B. (2010) . Implikasi Konstruktivis Terhadap Pembelajaran Kooperatif.
- Sobel M.A & E. M. Maletsky. (2001). *Mengajar Matematika. Sebuah Buku Sumber Alat Peraga, Aktivitas dan Strategi.* Jakarta: Erlangga.
- Somakin. 2010. Mengembangkan Self-efficacy Siswa melalui PembeLajaran Matematika. *Paradikma Vol. 3 No 1 Edisi Juni 2010.* [Online]. Tersedia: <http://eprints.unsri.ac.id/1527>
- Sugiman, Kusumah, Y. S., & Sabandar. (2009). Mathematical Problem Solving in Mathematics Realistics. *Jurnal Pendidikan Matematika PARADIKMA* 2009. (1): 179-190.
- Sugiyono. (2015). *Metode Penelitian Pendidikan: Pendekatan Kuantitatif, Kualitatif, dan R&D.* Bandung: Alfabeta.
- Suherman, E., dkk. (2003). *Strategi Pembelajaran Matematika Kontemporer.* Bandung: Universitas Pendidikan Indonesia.
- _____.(2010). *Belajar dan Pembelajaran Matematika.* Bandung: Universitas Pendidikan Indonesia.
- Taofiq. (2012). *Meningkatkan Kemampuan Pemecahan Masalah dan Komunikasi Matematis Siswa Sekolah Menengah Kejuruan (SMK) dengan Metode Pembelajaran Berbasis Proyek.* (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.

- Turuk, M.C. (2008). The Relevance and Implications of Vigotsky's Sosiocultural Theory in the Second Language Classroom. *Journal ARECLS*. (5): 244-262.
- Tyanto, E.L. & Manoy, J.T. (2013). Pengembangan Media Pembelajaran Matematika Berbasis Adobe Flash Profesional CS6 dengan Memperhatikan Fungsi Kognitif Rigorous Mathematical Thinking (RMT) pada Materi Melukis Segitiga. *MATHEdunesa Vol 3, No 2 (2013)*. [Online]. Tersedia: <http://ejurnal.unesa.ac.id/article/6253/30/article.pdf>.
- Usdiyana, D. (2016). *Pembelajaran Inkuiiri dan Reflektif untuk Meningkatkan Kemampuan Pembuktian dan Berpikir Kritis Matematik, serta Kebiasaan Berpikir Mahasiswa*. Disertasi pada SPS UPI Bandung. Tidak Diterbitkan.
- Vygotsky, L. S. (1978). Mind in society: The development of higher psychological processes. *Mind in Society The Development of Higher Psychological Processes, Mind in So*, pp. 159.
- Wahyudin. (2008). *Pembelajaran dan Model-model Pembelajaran: Pelengkap untuk Meningkatkan Kompetensi Pedagogis Para Guru dan Calon Guru Profesional*. Bandung.
- Widiati, I. (2012). *Mengembangkan Kemampuan Representasi dan Pemecahan Masalah Matematis Siswa SMP dengan Penerapan Pembelajaran Kontekstual*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Wilson, J.W., et al. (1997). *Mathematical Problem Solving*. [Online]. Tersedia: <http://jwilson.coe.uga.edu>
- Wirantiwi, A. (2011). *Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa SMA melalui Model Pembelajaran Berbasis Proyek (Project Based Learning)*. (Skripsi). FPMIPA, Universitas Pendidikan Indonesia, Bandung.
- Yanuar, M. (2017). *Kemampuan Berpikir Reflektif Matematis dan Habits of Striving for accuracy and Precision dalam Pembelajaran dengan*

Pendekatan Rigorous Mathematical Thinking. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.

Yulanda, S. (2017). *Perbandingan Kemampuan Pemecahan Masalah Matematis dan Pencapaian Self-Regulation antara Siswa yang Mendapatkan Model Situation Based Learning Teknik Metakognitif dengan Pendekatan Saintifik.* (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.

Yuliawati, L. (2011). *Pembelajaran Matematika dengan Pendekatan CRA (Concrete-Representational-Abstract) untuk Meningkatkan Kemampuan Pemahaman dan Pemecahan Masalah Matematik Siswa SMP.* (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.

Zulkarnain. (2010). Analysis of Students' Error in Learning of Quadratic Equations. *Journal Canadian Center of Science and Education.* 3(3):