

## DAFTAR PUSTAKA

- Alhadad, Syarifah Fadillah. (2010). *Meningkatkan Kemampuan Representasi Multiple Matematis, Pemecahan Masalah Matematis dan Self Esteem Siswa SMP melalui Pembelajaran Pendekatan Open-Ended*. Disertasi UPI Bandung: tidak diterbitkan.
- Arikunto, S., 2002. *Prosedur Penelitian Suatu Pendekatan Praktek*. RinekaCipta.Jakarta.
- Assagaf, Gamar. 2014. *Pengaruh Kemandirian Belajar dan regulasi diri terhadap hasil belajar matematika melalui motivasi berprestasi pada siswa kelas X SMA Negeri di kota Ambon*. Tesis. Tidakditerbitkan. Makassar: Universitas Negeri Makassar (UNM).
- Avianutia, V. 2014. *Pembelajaran menggunakan strategi heuristik Vee untuk meningkatkan kemampuan representasi matematik siswa*. Jakarta: UIN Syarif Hidayatullah.
- Cai, J., Lane, S., & Jacabsin, M.S. 1996. *The Role of Open Ended task & Hollistic Scoring Rubrics: Assesing Student Mathematics Reasoning & Communications*.
- Cunningham, S. (2005). *Visualization in science education. In Inven-tion and impact: Building excellence in undergraduate science, technology, engineering, and mathematics (STEM) education* (pp. 127-128). Washington, DC: AAAS Press.
- Gardner, H. *Five Minds for the Future*. Cambridge, MA: Harvard Business School Press.
- Downs, J.M dan Downs, M. 2002. *Advance Mathematical Thinking with a Special Reference to Reflection on Mathematical Structure*. Dalam L.D English(Ed). Handbook of International Research in Mathematics Education (IRME).New Jersey: Lawrence Erlbaum Associates
- Fahradina, Nova. Et al. (2014).Peningkatan Kemampuan Komunikasi Matematis dan Kemandirian Belajar Siswa SMP dengan Menggunakan Model Investigasi Kelompok. *Jurnal Didaktik Matematika*.Vol 1 No 1, September 2014
- Fauzi, A. 2011. Peningkatan Kemampuan Koneksi Matematis dan Kemandirian Belajar Siswa dengan Pendekatan Pembelajaran Metakognitif di Sekolah Menengah Pertama. Disertasi S3 UPI.
- Getzels, J. W., & Csikszentmihalyi, M. (1975). From problem-solving to problem finding, In I. A. Taylor and J. W. Getzels (Eds.), *Pers-pectives in Creativity* (pp. 90-116). Chicago: Aldine.

- Goldbenberg, E. P. (1996). "Habits of mind" as an organizer for the curriculum. *Journal of Education*. 178, 13-34.
- Goldin, G.A. 2002. Representation in Mathematical Learning and Problem Solving. In L.D. English(Ed). *International Research in Mathematical Education IRME*, New Jersey: Lawrence Erlbaum Associates.
- Gursel, Guler (2011). *The visual representation usage levels of mathematics teachers and students in solving verbal problems*. International Journal of Humanities and Social Science: Turkey. Vol 1 No 11
- Haris, Mudjiman.(2008). *BelajarMandiri*. Surakarta: UNS Press.
- Hasratuddin.(2015). *Mengapa Harus Belajar Matematika?* Medan: Perdana Publishing.
- Hegarty, Mary & and Kozhevnikov, Maria (1999). *Types of Visual-Spatial Representations and Mathematical Problem Solving*. Journal of Educational Psychology: USA Vol. 91, No. 4,684-689
- Hetland, L., Winner, E., Veenema, S., & Sheridan, K. (2007). *Studio thinking: The real benefits of visual arts education*. New York: Teachers College.
- Hiemstra.(1994). *Self-Directed Learning*. In T. Husen& T. N. Postlewaite (Eds), *The International Encyclopedia of Education (second edition)* Oxford:Porgomon Press.
- Hogan, J. (1993). The death of proof. *Scientific American*, 92-103.
- Hudojo.H. 2002. Representasi Belajar Berbasis Masalah. Jurnal Matematika atau pembelajarannya.
- Hwang, W.Y.et al. (2007). *Multiple Representation skills and Creativity Effects on Mathematical Problem Solving using a multimedia Whiteboard System*. Dalam *Educational Technology & Society Journal*.
- Illahi, Muhammad Takdir. 2012. Pembelajaran Discovery Strategy & Mental Vocational Skills. Yogyakarta: Diva Press
- Izsak, A. dan Sherin, M.G. 2003. *Exploring the Use of New Representation as Resource for Teacher Learning School Science and Mathematics*, 1, 103
- Jones, A.D. (2000). The fifth process Standard: An argument to include representation in standards 2000.

- Kaufmann, G. (1990). Imagery effects on problem solving. In P. J. Hampson, D. E. Marks, & J. T. E. Richardson (Eds.), *Imagery: Current developments* (pp. 169-197). New York: Routledge.
- Kosslyn, S. M. (1995). Mental imagery. In S. M. Kosslyn & D. N. Osherson (Eds.), *Visual cognition: An invitation to cognitive science* (Vol. 2, pp. 267-296). Cambridge, MA: MIT Press.
- Kozbelt, A. (1991). Artists as experts in visual cognition. *Visual Cognition*, 8, 705-723.
- Krutetskii, V. A. (1976). *The psychology of mathematical abilities in schoolchildren*. Chicago: University of Chicago Press.
- Lappan, G. (1999). Geometry: The forgotten strand. *NCTM News Bulletin*, 36, 3.
- Lie, Anita (2002). *Cooperative Learning*. Jakarta: PT Gramedia Widiasarana Indonesia.
- Luitel, B.C. 2001. *Multiple Representations of Mathematical Learning*. <http://www.matedu.cinvestav.mx>
- Meria, Dorit., Amit, Miriam. (2004) Students Preference of Non-Algebraic Representations in Mathematical Communication, *Proceedings of the 28th Conference of the International Group for the Psychology of Mathematics Education*
- Modelminds. 2012. *10 Reason Why Visual Thinking is Key to Problem Solving*. (online) diakses pada 30 September 2016
- Mulligan, J. et.al. (2002) *Representation and Comprehension of Numeral by Children*. International Conference on Mathematical Education. Belanda
- Murni, Atma. (2013) Peningkatan Kemampuan Representasi Matematis Siswa SMP Melalui Pembelajaran Metakognitif dan Pembelajaran Metakognitif Berbasis Soft Skill, *Jurnal Pendidikan*,
- NCTM.(2000). Principles and standards for school mathematics. Reston: NCTM
- NCTM. 1989. *Curriculum and Evaluation Standards for School Mathematics*. Reston VA. The National Council of Teachers of Mathematics Inc
- Nurhayati, Eti .2011. *Psikologi Pendidikan inovatif*. Yogyakarta: PustakaPelajar

- Owens, K. D., & Clements, M. A. K., 1998. *Representations In Spatial Problem Solving In The Classroom. The Journal of Mathematical Behaviour*, 17: 197-218.
- Pintrich, P.R. 2000. The Role of Goal Orientation in Self-Regulated Learning. In M.Boekaerts, P.R.Pintrich & M.Zeidner (Eds), *Handbook of Self- Regulation*(pp. 451-502) San Diego, CA: Academic.
- Poppy, R. Yaniawati. Pembelajaran dengan Pendekatan Open Ended dalam Upaya Meningkatkan Kemampuan Koneksi Matematik Siswa(Studi Eksperimen pada SMU "X", Bandung. [http://www.jurnal\\_kopertis4.org](http://www.jurnal_kopertis4.org).
- Prawira, Purwa Atmaja. 2014. *Psikologi Pendidikan dalam perspektif baru*. Yogyakarta: Ar-Ruzz Media
- Presmeg, N. C. (1986b). Visualization and mathematical giftedness. *Educational Studies in Mathematics*, 17, 297-311.
- Ruhiat, A.(2014. *Model Pembelajaran Efektif bagi guru kreatif*. Bandung: Gaza Publishing.
- Rosken, B.& Rolka.K.2006. A Picture is worth A 1000 words. The role of visualization in learning mathematics. Proceeding 30<sup>th</sup> conference of the interational group for the psychology of mathematics. education. Vol 4 PP 457-464 Progue: PME
- Rusefendi, E, T. 1998. *Statistika Dasar untuk Penelitian Pendidikan*. Bandung: IKIP Bandung Press.
- Sabandar, J. 2004b. *Mathematical Representation* Makalah disajikan dalam Conference on Recent Progress in Mathematics Education (CRPME 2004). Bandung: ITB
- Schunk. D.H. 2005. Self Regulated Learning: The Educational Legacy of Paul R.Pintrich. In *Educational Psychologist*, 40 (2), 85-94
- Sherman, J. A. (1979). Predicting mathematical performance in high school girls and boys. *Journal of Educational Psychology*, 71, 242-249.
- Silver, E.A.1994. *On Mathematical Problem Posing*.
- Slavin, E.Robert . 2005. *Cooperative Learning*. London: Allymand Bacon
- Sudijono,A. 1997. *PengantarEvaluasiPendidikan*.Raja GrafindoPersada.Jakarta.
- Sumarmo, U.(2002). *Alternatif Pembelajaran Matematika dalam Menerapkan Kurikulum Berbasis Kompetensi*. Makalah pada Seminar Tingkat Nasional FMIPA UPI Bandung: tidak diterbitkan.
- Suparno, P. 1997. *Filsafat Konstruktivisme dalam Pendidikan*. Yogyakarta: Kanisius.

- Surya, E., Sabandar, Jozua., S. Kusumah, Yaya., (2013) *Improving of Junior High School Visual Thinking Representation Ability in Mathematical Problem Solving by CTL*. IndoMS. J.M.E
- Surya, Edy (2013) Peningkatan representasi *visual thinking* matematika siswa SMP N 11 Medan dengan melatih ketrampilan menggambar dan pendekatan kontekstual .
- Swafford. J.O & Langrall. C.W. 2000. *Grade 6 Student's Preinstructional use of Equation to Describe & Represent Problem Situation*. Dalam jurnal for research in mathematics edu, Volume 31:89-112
- Usiskin, Z. (1987). Resolving the continuing dilemmas in school geometry. In M. M. Lindquist & A. P. Shulte (Eds.), *Learning and teaching geometry K-12* (pp. 17-31). Reston, VA: National Council of Teachers of Mathematics.
- Usman. 2008. Pengantar Statistika. Jakarta: Bumi Aksara.
- Walker, Caren M (2011). *Visual Thinking: Art Students Have an Advantage in Geometric Reasoning*. *Scientific Research: USA* Vol. 2, No. 1, 22-26
- Whiteley, W. (2004). Visualization in mathematics: Claims and questions towards a research program. *Paper presented at the 10 International Congress on Mathematics Education*, Copenhagen, Denmark, Cambridge, England: Cambridge University Press.