

## DAFTAR PUSTAKA

- Alias, M.; Black, T. R.; dan Gray, D. E. (2002). *Effect of Instruction on Spatial Visualization Ability in Civil Engineering Students*, International Education Journal Vol. 3, No. 1, 2002 tersedia: <http://iej.cjb.net> diakses tgl. 15 Nopember 2008
- Anh, Le, T. (2006). *Applying Realistic Mathematics Education in Vietnam: Teaching Middle School Geometry*. Potsdam: Disertasi Universitas Potsdam.
- Anku, S. E. (1996). *Fostering Student's Disposition Toward Mathematics: A Case from a Canadian University*: Journal Eduation, Vol. 116. 1996
- Arifin, Z. (2008). *Meningkatkan Motivasi Berprestasi, Kemampuan Pemecahan Masalah dan Hasil Belajar Siswa Kelas IV SD melalui Pembelajaran Matematika Realistik dengan Strategi Kooperatif di Kabupaten Lamongan*. Bandung: Disertasi UPI
- Asmida (2009). *Meningkatkan Kemampuan Penalaran dan Komunikasi Matematis Siswa SMP melalui Pendidikan Realistik*. Bandung: Tesis UPI
- Azwar, S. (2008). *Penyusunan Skala Psikologi*, Yogyakarta: Pustaka Pelajar.
- Barke, H. D. dan Engida, T. (2001). *Structural Chemistry and Spatial Ability in Different Cultures*, Research in Europe: University of Muenster
- Black, A. A. (2005). *Spatial Ability and Earth Science Conceptual Understanding*. Springfield: Missouri State University tersedia: [aab208f@smsu.edu](mailto:aab208f@smsu.edu) diakses tgl. 15 Nopember 2008
- Chacon, I. M. (2008). *Student's Attitudes to Mathematics and Technology Comparative Study Between the United Kingdom and Spain*. London: City University
- Clements, D. H. dan Battista, M. T. (1992). *Geometry and Spatial Reasoning*. Handbook of Research on Mathematics Teaching and Learning, editor: Douglas A. Grouws, New York: Macmillan Library Reference
- Darhim (2004). *Pengaruh Pembelajaran Matematika Kontekstual Terhadap Hasil Belajar dan Sikap Siswa Sekolah Dasar Kelas Awal dalam Matematika*. Bandung: PPS UPI

- Dindyal, J. (2003) *Students' Thinking in School Geometry: The Need for an Inclusive Framework*. Singapore: National Institute of Education
- Eriadi (2008). *Penerapan Pendekatan Pendidikan Matematika Realistik untuk Meningkatkan Kemampuan Pemahaman Matematis Siswa SMP*. Bandung: Tesis UPI
- Facione, P. A. (1994). *Holistic Critical Thinking Scoring Rubric*. (Online). Tersedia: [www.temple.edu/tlc/resources/handouts/holistic20Critical20Thinking20Scoring%20Rubric.v2.pdf](http://www.temple.edu/tlc/resources/handouts/holistic20Critical20Thinking20Scoring%20Rubric.v2.pdf).
- (2000). *The Disposition Toward Critical Thinking: Its Character, Measurement, and Relationship to Critical Thinking Skill*, Santa Clara University. *Informal Logic* Vol. 20, No. 1 (2000) pp.61-84
- Fauzan, A. (1996). *Penelusuran Kemampuan Persepsi Ruang Siswa Kelas I SMU di Propinsi Sumatera Barat*. (Tesis). Surabaya: Program Pascasarjana IKIP Surabaya
- Ferguson, A.,G. (1985) *Statistical Analysis in Psychology and Education*, Fifth Edition. USA: Mc Graw-Hill International Book Company
- Gardner, D. V. (2006). *Spatial Visualization, Visual Imagery, and Mathematical Problem Solving of Students with Varying Abilities*. *Journal of Learning Disabilities*, Vol. 39 no. 6. December 2006 p. 496-506
- Giaquinto (2007). *Visual Thinking in Mathematics An epistemological study*. New York: Oxford University Press
- Gravemeijer, K. (1994). *Developing Realistic Mathematics Education*, Utrecht: CD-Beta Press
- Gutierrez, A. (1997). *Visualization in 3-Dimensional Geometry: In Search of a Framework* Valencia (Spain): Universidad de Valencia
- Hake, R.R. (2002). "Re: Normalized Gains, "post of of 11 Apr 2002 20:25:41-0700 to ASSESS, AERA-D, EvalTalk, PhysLrnR, POD; online at <<http://lists.asu.edu/cgi-bin/wa?A2=ind0204&L=aera-d&P=R1481>>.
- Hannafin, R. D.; Mary, P. Truxaw; Jennifer, R. V.; dan Yingjie, L. (2008). *Effects of Spatial Ability and Instructional Program on Geometry Achievement*. University of Connecticut, tersedia: [robert.hannafin@uconn.edu](mailto:robert.hannafin@uconn.edu) diakses tgl. 15 Desember 2008
- Hegarty, M. dan Maria, K.. (1999). *Types of Visual-Spatial Representations and Mathematical Problem Solving*. *Journal of Educational Psychology* Vol. 91 No. 4, 684-689. Tersedia: [hegarty@psych.ucsb.edu](mailto:hegarty@psych.ucsb.edu) diakses tgl. 24 Nopember 2008

- Hidayat, E. (2009). *Peningkatan Kemampuan Komunikasi Matematik dan Kemandirian Belajar Siswa dengan Menggunakan Pendidikan Matematika Realistik*. Bandung: Tesis UPI
- Johnson (2006). *Attitude or Anxiety: Mathematics Disposition of High School Algebra I. Student's Tesis*: Friends University
- Jones, Keith (1998). *Visualisation, Imagery, and The Development of Geometrical Reasoning*. UK: University of Southampton.
- Karakirik (2005). *An Alternative Approach to Logo-Base Geometry*. The Turkish On line Journal of Educational ISSN. 1303-6521 Volume 4. Issue 1 Article 1
- Kilpatrick, J. (2008). *The Mathematics Teacher and Curriculum Change*. Portugal: University of Georgia
- Kinard, J.T dan Kozulin, A. (2008). *Rigorous Mathematical Thinking* New York: Cambridge University Press
- Lach, T. and Lynae, S. (2004) *The Role of Playing Games in Developing Algebraic Reasoning, Spatial Sense, and Problem Solving*. Webster District School
- Mardapi, Djemari (2010). "Siswa Tidak Percaya Diri" Kutipan dalam Siaran Berita RCTI (27-4-2010)
- Misretta, R. M. (2000). *Enhancing Geometric Reasoning*. Adolescence, Vol. 35, No.138, Summer 2000. San Diego, CA 92117
- National Academy of Science (2006). *Learning to Think Spatially*, Washington DC: The National Academics Press.
- NCTM (2000). *Handbook of Research on Mathematics Teaching and Learning*, Editor: Douglas A. Grows USA: Macmillan Library Reference
- NCTM (1989). *Curriculum and Evaluation Standards for School Mathematics*. Reston, VA
- Nemeth, B. (2007). *Measurement of the Development of Spatial Ability by Mental Cutting Test*. *Annales Mathematicae et Informaticae* 34 pp. 123-128 tersedia: <http://www.ektf.hu/tanszek/matematika/ami>. diakses tgl. 15 Nopember 2008
- Olkun, S. (2003). *Making Connections: Improving Spatial Abilities with Engineering Drawing Activities*. *International Journal of Mathematics Teaching and Learning*. Tersedia: <http://www.ex.ac.uk/cimt/ijmtl/ijabout>. diakses tgl. 15 Desember 2008

- Park, H. S. (2006). *Gender Difference in Mathematical Disposition of Middle School Studens in Korea*. Korea: Seowon University
- Rafi, A.; Samsudin, K. Anuar; dan Ismail, Azniah (2006). *On Improving Spatial Ability Through Computer Mediated Engineering Drawing Instruction*. *Educational Technology & Society*, 9(3), 149-159. Tersedia: [ahmadrafi.eshaq@mmu.edu.my](mailto:ahmadrafi.eshaq@mmu.edu.my) diakses tgl. 15 Nopember 2008
- Rafi, A. dan Samsudin, K. Anuar (2007). *The Relationships of Spatial Experience, Previous Mathematics Achievement, and Gender with Perceived Ability in Learning Engineering Drawing*. *Journal of Technology Education* Vol 18 No. 2, pp. 53-67 diakses tgl. 15 Desember 2008
- Republika On Line (2008). *Melihat Dari Mata Pengamat Dunia*. Diakses tgl. 24 Maret 2009
- Ruseffendi, E. T. (2008). *Perkembangan Pendidikan Matematika*. Bandung: Diklat Tidak Diterbitkan
- (2006)., *Pengantar Kepada Membantu Guru Mengembangkan Kompetensinya dalam Pengajaran Matematika untuk Meningkatkan CBSA*. Bandung: Penerbit Tarsito
- (2005). *Dasar-Dasar Penelitian Pendidikan dan Bidang Non Eksakta Lainnya. Bagi para Peneliti, Penulis Skripsi, Penulis Tesis, Penulis Disertasi, Dosen Metode Penelitian, dan Mahasiswa*. Bandung: Tarsito.
- (1991). *Penilaian Pendidikan dan Hasil Belajar Siswa Khususnya dalam Pengajaran Matematika untuk Guru dan Calon Guru*. UPI: Diklat Perkuliahan
- Ryu, H. A.; Yeong, O. C.; dan Song, H. S. (2007). *Mathematically Gifted Students' Spatial Visualization Ability of Solid Figures*, *The International Group for the Psychology of Mathematics Education*, Vol.4, pp.137-144. Seoul:PME diakses 24 Nopember 2008
- (2005)., *Dasar-dasar Penelitian Pendidikan dan Bidang Non Eksakta Lainnya*. Bandung: Penerbit Tarsito
- Santoso, S. (2000). *SPSS Mengolah Data Statistik Secara Profesional*. Jakarta: PT. Elex Media Komputindo
- (2000). *Buku Latihan SPSS Statistik Parametrik*. Jakarta: PT. Elex Media Komputindo
- Saads, S. dan Gary, D. (2003). *Spatial Abilities, Van Hiele Levels, and Language Use in Three Dimensional Geometry*, United Kingdom: University of Southampton. diakses tgl. 16 Nopember 2008



- Schackow (2005). *High School Student's Attitudes Toward Mathematics*. Academic Exchange Quarterly
- Sha, Tin, K. (2006). *Gender Differences in Spatal Ability: Relationship to Spatial Experience among Chinese Gifted Students in Hongkong*, tersedia: [davidchan@cuhk.edu.hk](mailto:davidchan@cuhk.edu.hk) diakses tgl. 16 Nopember 2008
- Sobanski, J. (2002). *Visual Math, See How Math Makes Sense*. New York: Learning Express, LCC
- Strong, S. dan Smith, R. (2002). *Spatial Visualization: Fundamentals and Trends in Engineering Graphics* (Vol. 18: No. 1) Journal of Industrial Technology
- Sulastri, Y. L. (2009). *Meningkatkan Kemampuan Komunikasi Matematis Melalui Pembelajaran dengan Pendekatan Pendidikan Matematika Realistik siswa Sekolah Menengah Pertama di Kabupaten Bandung*. Bandung: Tesis, UPI
- Sumarmo, Utari (2006). *Pembelajaran Keterampilan Membaca Mathematics pada Siswa Sekolah Menengah* (Makalah). Bandung: FPMIPA-UPI
- Sugiyono dan Wibowo. Eri. (2001) *Statistika Penelitian dan Aplikasinya dengan SPSS 10.0 for Windows*. Bandung: Penerbit Alfabeta
- Suryadi, Didi (2010). *Metapedadidaktik dan Didactical Design Research (DDR) Sintesis Hasil Pemikiran Berdasarkan Lesson Study*. UPI: FPMIPA
- Suherman, Erman (1994). *Evaluasi Proses dan Hasil Belajar Matematika*. Jakarta: Dirjen Pendidikan Dasar dan Menengah Departemen Pendidikan dan Kebudayaan RI
- Syahputra, Edi (2009). *Spatial Ability Profile of Junior High School Mathematics* Majalah Paradikma (Jurnal Ilmiah Pendidikan ISSN:1978-8002. Vol. 2 No. 1 Edisi Juni 2009 Hal. 204-213
- .(2011). *Improving Spatial Ability and Mathematical Disposition of SMP Students' with PMRI Approach to Learning Geometry Using Computer*. International Proceeding: "Excellent Practice Pedagogic", 2011). Bandung: RIZQI Press
- .(2011). *Implementation of Curriculum on Improving Spatial Ability with Realistic Mathematics Approach*. ("Proceeding of International Seminar Educational Comparative in Curriculum for Active Learning Between Indonesia and Malaysia", 2011). Bandung: Himpunan Pengembang Kurikulum Indonesia.
- Tai, D. W. S.; Chao, H. Y.; Liang, C. L.; dan Sue, J. L. (2003). *A Study on the Effects of Spatial Ability in Promoting the Logical Thinking Abilities of Students with Regard to Programming Language*. Word Transactions on

Engineering and Technology Education Vol. 2 No. 2, 2003 (251-254)  
diakses tgl. 15 Nopember 2008

The Programme for International Student Assesment (PISA 2003). *The Performance of Canada's, science and Problem Solving*, tersedia: [www.pisa.gc.ca](http://www.pisa.gc.ca) diakses tgl. 15 Nopember 2008

Treffers, A. (1991). *Realistics Mathematics Education in the Netherlands 1980-1990*. Dalam Streefland (Ed), *Realistic Mathematics Education in Primary School: On the Occasion of the Opening of the Freudenthal Institute* (pp. 11-20). Utrecht: CD-Beta Press

Vallee, G. B. dan Ronald, R. K. (2007). *Visual-Spatial Representation in Mathematical Problem Solving by Deaf and Hearing Students*. Oxford University tersedia: [journals.permission@oxfordjournals.org](mailto:journals.permission@oxfordjournals.org) diakses tgl. 20 Nopember 2008

Velez, M. C.; Deborah, S.; dan Marilyn, T. (2006). *Understanding Visualization through Spatial Ability Diffrences*. New Jersey: The State University tersedia: [mariacv,silver,mtrmaine@caip.rutgers.edu](mailto:mariacv,silver,mtrmaine@caip.rutgers.edu) diakses tgl. 15 Nopember 2008

Van den Heuvel-Panhuizen, M. (2003). *The Didactical Use of Models in Realistic Mathematics Education: An Example from a Longitudinal Trajectory on Percentace*. *Educational Studies in Mathematics*, 54(1), 9-35

Webb, R. M.; David, L.; dan Camilla, P. B. (2007). *Spatial Ability: A Neglegted Dimension in Talent Searches for Intellectually Precocious Youth*, *Journal of Educational Psychology*, Vol. 99, No. 2, 397-420 diakses tgl. 15 Nopember 2008