

DAFTAR PUSTAKA

- Abdussakir. 2009. *Pembelajaran Geometri dan Teori van Hiele*. [Online]. Tersedia: <http://abdussakir.wordpress.com/2009/01/25/pembelajaran-geometri-dan-teori-van-hiele/>. [11 September 2012].
- Agusyana, Y. 2011. *Olah Data Skripsi dan Penelitian dengan SPSS 19*. Jakarta : Elex Media Komputindo.
- Armstrong, T. (2010). *Multiple intelligences* .[online]. Tersedia : http://www.thomasarmstrong.com/multiple_intelligences.htm. [12 januari 2012].
- Ansari, B. I (2003). *Menumbuhkembangkan Kemampuan Penalaran dan Komunikasi matematis Siswa Sekolah Menengah Umum (SMU) melalui Strategi Think Talk Write*. Disertasi Doktor pada FPMIPA UPI Bandung :Tidak diterbitkan.
- Arikunto, S. (2007). *Dasar-dasar Evaluasi Pendidikan (Edisi Revisi)*. Jakarta : Bumi Aksara.
- Badan Standar Nasional Pendidikan (2006) *Kurikulum Tingkat Satuan Pendidikan (KTSP)*. Jakarta : Departemen Pendidikan Nasional.
- Baki, A. (2004). Problem solving experiences of student mathematics teachers through cabri: a case study. *Teaching Mathematics and Its Applications*. . *Journal for Research in Mathematics Education*
- Bako, M. “*Differing Projecting Methods in Teaching Spatial Geometry*”. *European Research in Mathematics Education III*. [Online]. Tersedia: http://www.osun.org/spatial_sense/. [11 September 2012].
- Bell, F.H.(1978). *Teaching and Learning Mathematics (In Secondary School)*. USA : Brown Company Publisher.
- Bartman, R.E. *Assesment Anotation for The Curriculum Framework Mathematics Grade 4,8,and 10*. Missouri Department of Elementary and Secondary Education.
- Barkatsas, A. (2007). *A New Scale for Monitoring Students' Attitudes to Learning Mathematics with Technology (MTAS) Computers and Education*. [online].

- Tersedia: www.pgce.soton.ac.uk/ict/.../PDFs/learningmathattitudescale.pdf.
[15 Desember 2012]
- Battista, M.T. (1990). Spatial Visualization and Gender Differences in High School Geometry. *Journal for Research in Mathematics Education*.
- Battista, M. T. (2002). Learning Geometry in a Dynamic Computer Environment; Teaching Children Mathematics, 8(6). *Journal for Research in Mathematics Education*.
- Battista, M. T., Wheatley, G. H. & Tsarama, G. (1982). The Importance of Spatial Visualization and Cognitive Development for Geometry Learning in Preservice Elementary Teachers. *Journal for Research in Mathematics Education*.
- Ben-Chaim, D., Lappan, G. & Houang, R. T. (1988). The Effect of Instructions on Spatial Visualization Skills of Middle School Boys and Girls. *American Educational Research Journal*, 25(1), 51-71.
- Bishop, A.J. (1989). Review of Research on Visualization in Mathematics Education. *Focus on Learning Problems in Mathematics*, 11.
- Boulter, D.R., & Kirby, J.R. (1994). Identification of strategies employed by students in solving transformational geometry problems. *Journal of Educational Research*.
- Butler & Hatsell. (2005). *Getting Going with GeoGebra 3*. iCT Training Centre Oundle School, Peterborough, UK.
- Clements, D. H., Battista, M. T., Sarama, J., & Swaminathan, S. (1997). Development Of Students' Spatial Thinking In A Unit On Geometric Motions and Area. *The Elementary School Journal*.
- Darsono. 2010. *Tinjauan Geometri Berdasarkan Filsafat Matematika* [Online]. Tersedia: http://wwwdarsonmate.blogspot.com/2010/03/filasafat-geometri_31.html/. [11 Mei 2013].
- David, A. et al. (2009). *Methods For Teaching (Metode-metode Pengajaran Meningkatkan Belajar Siswa TK-SMA)*. Yogyakarta: Pustaka Pelajar.

- Duatepe, A. (2004). *The effects of drama based instruction on seventh grade students' geometry achievement, Van Hiele geometric thinking levels, attitude toward mathematics and geometry*. Unpublished PhD dissertation, Ankara: METU.
- Duffy, TM. M, Lowyck, J & Jonassen, D.(2008). Designing Environments for Constructive Learning. *Journal for Research in Mathematics Education*
- Fennema, E., & Sherman, J. (1977). Sex-related differences in mathematics achievement, spatial visualization and affective factors, *American educational Research Journal*, 14, 51-71.
- Firdaus. (2005). *Meningkatkan Kemampuan Komunikasi Matematis Siswa Melalui Pembelajaran dalam Kelompok Kecil Tipe Team Assisted Individualization (TAI) dengan Pendekatan Berbasis Masalah*. Tesis Magister pada PPs UPI Bandung: Tidak diterbitkan.
- Garderen, D.V (2006). Spatial visualization, visual imagery, and mathematical problem solving of students with varying abilities. *Journal of Learning Disabilities*.
- Gardner, H. (1993). *Frames of mind: The theory of multiple intelligences* (10th anniversary Ed.) New York: Basic Books.
- Guay, R.B., dan McDaniel, E. (1977). The Relationship Between Mathematics Achievement And Spatial Abilities Among Elementary School Children, *Journal for Research in Mathematics Education*.
- Herlina, S. (2011). *Efektivitas Strategi React Dalam Upaya Peningkatan Kemampuan Komunikasi Dan Pemecahan Masalah Matematis Siswa Sekolah Menengah Pertama*. Tesis Magister pada FPMIPA UPI Bandung :Tidak diterbitkan.
- Ishaq. (2010). *Peningkatan Kemampuan Koneksi dan Komunikasi Matematik Siswa melalui Pembelajaran Kontekstual Berbantuan Program Geometri Sketchpad*. Tesis SPS UPI Bandung: Tidak diterbitkan.
- Kirby J. R. dan Boulter, D.R. (1999). Spatial Ability and transformational geometry. Canada : *European Journal of Psychology of Education*.

- Kayhan, B. (2005). *Investigation of high school students' spatial Ability*. Disertasi Master: Tidak Diterbitkan, Ankara: METU.
- Koswara, U. (2012). *Meningkatkan Kemampuan Penalaran Dan Komunikasi Matematika Siswa SMA Melalui Pembelajaran Kontekstual Berbahan Program GeoGebra*. Tesis SPS UPI Bandung: Tidak diterbitkan.
- Krismiati, A. (2008). *Pembelajaran berbasis masalah berbantuan Cabry II dalam meningkatkan kemampuan pemecahan dan berpikir kritis siswa*. Tesis UPI Bandung: Tidak diterbitkan.
- Kusumah, Y.S (2004). *Peran Algoritma dan computer dalam pembelajaran matematika di sekolah menengah*. Bandung: Makalah tidak dipublikasikan.
- Lampert, M. (1988). *Teaching that connects students' inquiry with curricular agendas in schools* . Technical Report, Educational Technology Center, Harvard Graduate School of Education.
- Lane, Suzanne. (2003). *The Conceptual Framework for Development of a Mathematics Performance Assessment Instrument. Educational Measurement: Issues and Practice*. [Online]. Tersedia: http://web.njit.edu/~ronkowitz/teaching/rubrics/samples/math_probsolv_chicago.pdf [9 Januari 2013].
- Linn, M.C., dan Petersen, A.C. (1985). *Emergence and characterization of sex differences in spatial ability: A meta-analysis*. *Child Development*.
- Liedtke, W. (1995). *Developing Spatial Abilities in The Early Grades. Teaching Children Mathematics*.
- Hoong, L. Y. dan Khoh, Lim-Teo. S. (2003). *Effects of geometer's sketchpad on Spatial Ability and achievement in transformation geometry among secondary two students in Singapore*. Singapore : Nanyang Technological University.
- Lohman, D. F. (1979). *Spatial ability: A Review and Reanalysis of the Correlational Literature* (Tech. Rep. No. 8). Stanford, CA: Aptitude Research Project, School of Education, Stanford University. (From

- Diezmann, C. M., Watters, J.J. (2000). Identifying and Supporting Spatial Intelligence in Young Children, *Contemporary Issues in Early Childhood*.
- Maccoby dan Jacklin. (1974). *Mathematically Gifted Student' Spatial Visualization Ability of Solid Figures*. Gyongin National University of Education
- Maier. (1996). *Spatial Geometry and Spatial Ability-How to Make Solid Geometry Solid*. Praxis Schule 5-10,22-27.
- Marliah, S. T. (2006). *Hubungan Antara Spatial Ability dengan Prestasi Belajar Matematika*. Makara, Sosial Humaniora, vol. 10, No .1, Juni 2006:27-32.
- Mayer, R.E. & Moreno, R. (2000). *A Learner-Centered Approach to Multimedia Explanations: Deriving Instructional Design Principles from Cognitive Theory*, *IMEJ-enhanced Learning*, Vol. 2(2) [online] tersedia: <http://imej.wfu.edu/articles/2000/2/05/index.asp> (12 September2012).
- McGee, M.G. (1979). Human spatial abilities: Psychometric studies and environmental, genetic, hormonal, and neurological influences. *Psychological Bulletin*.
- NCTM. (2000). *Principles and Standards for School Mathematics*. Reston, VA: NCTM.
- Nohda, N. (1992). *A Study of Problem Solving with Cabri-Geometry in Secondary School Mathematics*, in J.P. Becker & T. Miwa (Eds.), Proceedings of the US-Japan Seminar on Computer Use in School Mathematics.
- Nurkholis, E. (2012). *Meningkatkan Kemampuan Spatial Sense Dan Pemecahan Masalah Matematik Siswa SMA Melalui Pembelajaran Berbasis Masalah Berbantuan Komputer*. Tesis SPS UPI Bandung: Tidak diterbitkan.
- Piaget, J. dan Inhelder, B. (1971). *Mental Imagery in Child*. New York: Basic Books. Makara, Sosial Humaniora, VOL. 10, NO. 1, JUNI 2006: 27-32.
- PISA (2009). *Survei Internasional PISA*. [Online]. Tersedia: <http://www.oecd.org/pisa/pisaproducts/pisa2009keyfindings.htm>. [10 Januari 2013].

- Olkun, S. (2003) *Making connections: Improving spatial abilities with engineering drawing activities*, International Journal of Mathematics Teaching and Learning.
- Priyanto, D.(2008). *Mandiri Belajar SPSS*.Yogyakarta : Media-Kom.
- Rizal, A. 2008. *Pembelajaran Geometri*. [Online]. Tersedia: <http://ahmadrizal.wordpress.com/2008/08/06/pembelajaran-geometri/>. [14 Maret 2010]
- Rusman (2009) *Teknologi Informasi dan Komunikasi dalam Pembelajaran*. Bandung : Jurusan Kurtekipend FIP UPI.
- Sabandar, J. (2002). *Pembelajaran geometry dengan menggunakan cabry geometry II*. Kumpulan makalah, pelatihan. Universitas Sanata Dharma. Yogyakarta.
- Sarama, J & Clements, D. (2009). *Early Childhood Mathematics Education Research*. New York : Routledge.
- Shepard, R & Cooper, LA.(1982).*Mental Images and Their Transformations*. Cambridge, MA: MIT Press.
- Sebnem, Boyraz. (2008). *The Effects Of Computer Based Instruction On Seventh Grade Students' Spatial Ability, Attitudes Toward Geometry, Mathematics And Technology*. [online]. Tersedia : <https://etd.lib.metu.edu.tr/upload/3/12609994/index.pdf> [12 November 2012].
- Sjölinder, M. (1998). Spatial Cognition and Environmental Descriptions. In Exploring Navigation: Towards a Framework for Design and Evaluation of Navigation in Electronic Spaces. *Journal Research of Technology*.
- Slameto. (2010). *Belajar dan Faktor-Faktor yang Mempengaruhinya*. Jakarta : Rineka Cipta
- Smith, R., Strong, S. (2001). Spatial Visualization: Fundamentals and Trends in Engineering Graphics. *Journal of Industrial Technology* , 18(1),1-13.

- Sudrajat, A. (2008). *Media Pembelajaran*. [Online]. Tersedia: <http://akhmadsudrajat.wordpress.com/2008/01/12/media-pembelajaran/> [15 Januari 2008].
- Sugiyono. (2009) *Metode Penelitian Kuantitatif Kualitatif dan R&D*. Bandung : Alfabeta.
- Suherman, E. (2003). *Evalusi Pembelajaran Matematika*. Bandung : JICA.
- Susilana, R. & Riyana, C. (2008) *Media Pembelajaran*. Bandung : Jurusan Kurtekipend FIP UPI.
- Tartre, L. A. (1990). Spatial orientation skill and mathematical problem solving, *Journal for Research in Mathematics Education*, 21(3).
- TIMSS. (2011). *International Students Achievement In Mathematics*. [Online]. Tersedia: <http://timssandpirls.bc.edu/timss2011/international-results-mathematics.html>. [9 Januari 2013].
- Sumarmo,U. (2010). *Berpikir dan Disposisi Matematik: Apa, Mengapa, Dan Bagaimana Dikembangkan Pada Siswa*. Bandung : FPMIPA UPI. [Online]. Tersedia <http://math.sps.upi.edu/wp-content/upload/2010/02/BERPIKIR-DAN-DISPOSISI-MATEMATIK-SPS-2010.pdf>. [10 November 2011].
- Yakimanskaya, I. S. (1991). The Development of Spatial Thinking in school children. (*"Soviet Studies in Mathematics Education"*vol.3). (N.C.T.M.: Reston, USA).
- Yuliardi, Ricki. (2010). *Pengaruh Model Pembelajaran Matematika Interaktif Berbasis Komputer Tipe Drill Untuk Meningkatkan Kemampuan Spatial Sense Siswa SMP Dalam Materi Bangun Ruang Sisi Lengkung*. Skripsi FPMIPA UPI Bandung: Tidak diterbitkan.