

DAFTAR PUSTAKA

- Abrami, P.C. & Chamber, B., (1996). Research on Co-operative Learning and Achievement Comment on Slavin. *Contemporary Educational Psychology*, volume 21, 70-79.
- Ah Chee Mok, I., (2000). The Anatomy of an "open" Mathematics Lesson. Dalam Tadao Nakhara and Masataka Koyama (editor) *Proceedings of The 24th Conference of The International Group for the Psychology of Mathematics Education*. Hiroshima : Hiroshima University
- Anam, K., (2000). Implementasi Cooperative Learning dalam Pembelajaran Geografi, Adaptasi Model Jigsaw dan Field Study. *Buletin Pelangi Pendidikan*, Volume 3 No. 2. Jakarta : Depdiknas.
- Anthony, G., (1996). Classroom Intructional Factors Affecting Mathematics Students' Strategics Learning Behaviours. Dalam Philip C. Clarkson (editor) *Technology in Mathematics Education*. Australia : Mathematics Education Research Group of Australia.
- Arikunto, S. (1986). *Dasar-Dasar Evaluasi Pendidikan*. Jakarta : PT. Bina Aksara.
- Asmarawaty, (2000). Penerapan Pendekatan Kooperatif dan Science, Environment, Technology, Society (SETS) dalam Pengajaran Konsep Persilangan. *Buletin Pelangi Pendidikan*, Volume 3 No. 2. Jakarta : Depdiknas.
- Badger, E. and Thomas, B., (1992). *Open-ended Question in Reading. Practical Asseesment, Research and Evaluation. A Peer-Reviewed Electronic Journal*. Ohio USA: ERIC-Clearinghouse on Assesment and Evaluation.
- Baharuddin, (1982). *Peranan Kemampuan Dasar Intelektual, Sikap dan Pemahaman dalam Fisika, terhadap Kemmapuan Siswa SMA di Sulawesi Selatan Membangun Model Analog dan Model Mental*. Disertasi. IKIP Bandung : Tidak Dipublikasikan.
- Baroody, A. J., (1993). *Probelm Solving, Reasoning, and Communicating, K-8 (Helping Chlidren Think Mathematically)*. New York: Macmillan Publishing Company.
- Battista, M.T., (1995) Fifth Garders' Enumaretion of Cubes in 3D Arrays : Conceptual Progress in an Inquiry-Based Classroom. *Journal for Research in Mathematics Education*. Vol. 27, No. 4, July 1996. NCTM
- Bell, F. H., (1978). *Teaching and Learning Mathematics (In Secondary Schools)*. Dubuque, Iowa : Wm. C. Brown Company Publisher.

- Beyer, B. K. and Pasnak, R., (1993). Helping Children Think Better: The Developmental Lesson Set Approach. *Journal of Research and Development in Education*. Vol. 26 No. 2, Winter 1993.
- Bitner, B. L., (1991). Formal Operational Reasoning Modes : Predictors of Critical Thinking Abilities and Grades Assigned by Teachers in Science and Mathematics for Students in Grades Nine Through Twelve. *Journal of research in Science Teaching*. Vol. 28, No. 3, 265 – 274.
- Bjourklund, D. F., (1989). *Children's Thinking: Developmental Function Individual Differences*. California : Brooks/Cole Publishing Company.
- Buchori, M., (2000). *Meningkatkan Kemampuan Teknologi Bangsa Melalui Pendidikan Matematika dan Ilmu Pengetahuan Alam*. Makalah pada Seminar dan Lokakarya Pendidikan MIPA di Indonesia yang Diselenggarakan ITB dan UPI. Bandung. Tidak Diterbitkan.
- Cai, J., (1995). Exploring Gender Differences in Solving Open-Ended Mathematical Problems. Dalam Douglas T. Owens, Michell K. Reed & Gale M. Millsaps (editor) *Proceedings of the seventeenth Annual Meeting for the Psychology of Mathematics Education*. Colombus : The ERIC Clearinghouse for Science, Mathematics, and Environment Education.
- Cai, J., Jacobsin, M.S., and Lane, S., (1996). Assessing Student's Mathematical Communication. *School Science and Mathematics*. Volume 96, No. 5, May 1996.
- Carr, M., Jessup, D.L. & Fuller, D., (1999). Gender Differences in First-grade Mathematics Strategy Use : Parent and teacher Contributions. *Journal for Research Education*. Volume 30. No. 1, 20-46. NCTM.
- Cordova, D. I. & Lepper, M. R., (1996). Intrinsic Motivastion and Process of Learning : Benefecial effects Contextualization, Personalization, and Choice. *Journal of Educational Psychology*. Vol. 88, No. 4, 715-730.
- Dowdey, S. & Wearden, S., (1985). *Statistics for Research* (second edition). New Yrok : John Wiley and Sons.
- Ernest, P., (1991). *The Philosophy of Mathematics Education*. London: Falmer Press.
- Fennema, E., Carpenter, T.P., Franke, M.L. and Jacobs, V.R., (1996). A longitudinal Study of Learning to Use Shildren's Thinking in Mathematics. *Journal for Research in Mathematics Education*. Vol. 27, No. 4, July 1996. NCTM.
- Glade, H. & Citron, J. J., (1985). Stretagic Reasoning. Dalam Arthur L. Costa (Editor) *Developing Minds*. A Resource Book for Teaching Thinking. Virgina : ASCD.

- Goldin, G. A., (1985). *Thinking Scientifically and Thinking Mathematically : A Discussion of the Paper by Heller and Hungate*. Dalam Edwar A. Silver (editor) *Teaching and learning Mathematical Problem Solving : Multiple Research*. New Jersey : Lawrence Erlbaum Associates Publishers.
- Gosev, V. A. & Safuanov, I. S., (2000). Some Theoretical Problems of the Development of Mathematical Thinking. Dalam Tadao Nakahara and Masataka Koyama (editor) *Proceedings of the 24th of the International Group for the Psychology of Mathematics Education*. Hiroshima : Hisroshima University.
- Gregg, D. U., (1995). Gender-Related Differences in Interaction Patterns in Elementary School Inquiry Mathematics Classrooms. Dalam Douglas T. Owens, Michell K. Reed & Gale M. Millsaps (editor) *Proceedings of the Seventeenth Annual Meeting for the Psychology of Mathematics Education*. Colombus : The ERIC Clearinghouse for Science, Mathematics, and Environment Education.
- Hacker, D.J., (2003). *Definition and Emphirical Foundations*. [Tersedia]. <http://www.memphis.edu/lrg/meta.html>. Tanggal 28 Maret 2003.
- Hair, J. E., Anderson, R. E., Tatham, R. L. & Black, W. G. (1998). *Multivariate Data Analysis*. Fifth Edition. USA : Prentice-Hall International, INC.
- Hamzah, (2003). *Meningkatkan Kemampuan Memecahkan Masalah matematika Siswa Sekolah Lanjutan Tingkat Pertama negeri di Kota Bandung Melalui Pendekatan pengajuan Masalah*. Disertasi. Pascasarjana UPI Bandung : Tidak Diterbitkan
- Hancock, C.L., (1995). Enhancing Mathematics Learning With *Open-ended Question*. *The Mathematics Teacher*. Vol. 88, No. 6 September 1995.
- Hiebert, J. & Carpenter, T. P., (1992). Learning and Teaching with Understanding. Dalam Douglas A. Grouws (editor) *Handbook of Research on Mathematics Teaching*. Editor: Douglas. NCTM. New York : Macmillan Publishing Company.
- Imai, T., (2000). The Relationships between Fluency and Flexibility of Divergent Thinking in Open Ended Mathematics Situation and Overcoming Fixation in Mathematics on Japanese Junior High School Students. Dalam Tadao Nakahara and Masataka Koyama (editor) *Proceedings of the 24th of the International Group for the Psychology of Mathematics Education*. Hiroshima : Hisroshima University.
- Johnson, D. W. & Johnson, R. T., (1996). *Cooperative Learning*. [Tersedia] <http://www.clcrc.com>. 23 Maret 2003.

- Johnson, D.W. & Johnson, R.T. (1998). *Cooperative Learning and Social Interdependence Theory*. [tersedia]. <http://www.clcrc.com>. 23 Maret 2003.
- Johnson, D. W. & Johnson, R. T., (2000). *Cooperative Learning Methods : A Meta-Analysis*. [tersedia]. <http://www.clcrc.com>. 23 Maret 2003.
- Johnson, R. A. & Wichern, D. W. (1992). *Applied Multivariate Statistical Analysis*. New Jersey : Prentice-Hall Englewood Cliff.
- Killen, R., (1998). *Effective Teaching Strategies. Lessons from Research and Practice*. (Second edition). Australia : Social science Press.
- Kramarski, B., (2000). The Effects of Different Instructional Methodes on The Ability to Communicate Mathematical Reasoning. Dalam Tadao Nakahara and Masataka Koyama (editor) *Proceedings of the 24th of the International Group for the Psychology of Mathematics Education*. Ed.. Hiroshima : Hisroshima University.
- La Berge, V. B., (1995). Pre-service Teachers' Attitudes Toward Females and Males, and Their Beliefs About mathematics. Dalam Douglas T. Owens, Michell K. Reed & Gale M. Millsaps (editor) *Proceedings of the Seventeenth Annual Meeting for the Psychology of Mathematics Education*. Colombus : The ERIC Clearinghouse for Science, Mathematics, and Environment Education.
- Leder, G. C., (1992). Mathematics and Gender: Changing Perspective. Dalam Douglas A. Grows (editor) *Handbook of Research on Mathematics Teaching*. NCTM. New York : Macmillan Publishing Company.
- Lie, A., (1997). *Cooperative Learning*. Jakarta : Grassindo.
- Ma, X., (1999). A Meta-Analysis of the Relationship Between Anxiety Toward Mathematics and Achievment in Mathematics. *Journal for Research in Mathematics Education*. Vol. 30, No. 5, Nov. 1999. NCTM
- Matlin, M.W., (1994). *Cognition*. Orlando : Hardcourt Publisher.
- Middleton, J. A., (1995). A Study of Instrinsic Motivation in the Mathematics Classroom: A Personal Constructs Approach. *Journal for Research in Mathematics Education*. Vol. 26, No. 3, 1995. NCTM
- Moleong, L. J., (1999). *Metodologi Penelitian Kualitatif*. Bandung : PT. Remaja Rosdakarya.
- Moore, E. D., (1991). Geometry-Instruction (age 4 – 14) in The Netherland. *Realistic Mathematics Education in Primary School*. Ed. Leen Streefland. Netherland : Fredeunthal Institut.

- Mwerinde, P. & Ebert, C., (1995). An Examination of the Relationship Between the Problem-Solving Behaviors and Achievements of Student in Cooperative-Learning Groups. Dalam Douglas T. Owens, Michell K. Reed & Gale M. Millsaps (editor) *Proceedings of the Seventeenth Annual Meeting for the Psychology of Mathematics Education*. Colombus : The ERIC Clearinghouse for Science, Mathematics, and Environment Education.
- National Council of Teachers of Mathematics (NCTM), (1991). *Professional Standards for Teaching Mathematics*. USA : NCTM.
- National Council of Teachers of Mathematics (NCTM), (2000). *Principles and Standards for School Mathematics*. USA : NCTM.
- National Center for Education Statistics (NCES), (1998). Timss Result. Dalam *Trend in International Mathematics and Science Study*. [tersedia]. <http://www.nces.ed.gov/timss/result.asp>. (27 Maret 2003).
- Nohda, N., (2000). Learning and Teaching Through *Open-ended* Approach Mathode. Dalam Tadao Nakahara and Masataka Koyama (editor) *Proceedings of the 24th of the International Group for the Psychology of Mathematics Education*. Hiroshima : Hisroshima University.
- Nunez, R. E., (2000). Mathematical Idea Anlysis: What Embodied Cognitive Sciencee can Say about the Human Nature of Mathematics. Dalam Tadao Nakahara and Masataka Koyama (editor) *Proceedings of the 24th of the International Group for the Psychology of Mathematics Education*. Hiroshima : Hisroshima University.
- Pikiran Rakyat, (2003). *Pengarusutamaan Jender di Jawa Barat*. (07 Pebruari 2003).
- Posamentier, A.S. dan Stepelman, J., (1990). *Teaching Secondary School Mathematics (Techniques and Enrichment Untis)*. Third Edition. Colombus : Merrill Publishing Company.
- Presseisen, B. Z., (1985). Thinking Skills: Meanings, Models, Materials. Dalam Arthur L. Costa (editor). *Developing Minds. A Resource Book for Teaching Thinking*. Virginia : ASCD.
- Pusat Kurikulum – Badan Penelitian dan pengembangan, (2001). *Kurikulum Berbasis Kompetensi. Kebijakanaksanaan Umum Pendidikan Dasar dan Menengah*. Jakarta : Depdiknas.
- Pusat Perbukuan Diknas, (2003). *Pedoman Penilaian Mutu Buku pelajaran matematika SD*. Diknas.
- Puspoprodjo dan Gilarso, (1985). *Logika Ilmu Menalar*. Bandung : Remadja Karya.

- Reys, R., Suydam, M.N., Lindquist, M.M. & Smith, N.L., (1998). *Helping Children Learn Mathematics*. Sixth-ed. Boston: Allyn and Bacon.
- Riedesel, C. A., Swartz, J.E., Clements, D.H., (1998). *Teaching Elementary School Mathematics*. Sixth-ed. Boston : Allyn and Bacon.
- Rifat, M., (2001) *Pengaruh Pola-Pola pembelajaran Visual dalam rangka Meningkatkan Kemampuan Menyelesaikan Masalah-Masalah Matematika (Eskperimen pada Mahasiswa Jurusan Pendidikan Matematika di kalimantan Barat)*. Disertasi. UPI Bandung : Tidak Diterbitkan
- Ross, J. A., (1995). Effects of Feedback on Student Behaviour in Cooperative Learning Groups in Grade 7 Math Class. *The Elementary School Journal*. Volume 96, Number 2. The University of Chicago.
- Ruseffendi, E.T., (1991).. *Pengantar Kepada Membantu Guru Mengembangkan Kompetensinya dalam Pendidikan Matematika untuk Meningkatkan CBSA*. Bandung : Tarsito.
- Ruseffendi, E.T., (1998). *Dasar-Dasar Penelitian Pendidikan dan Bidang Non-Eksakta Lainnya*. Semarang : IKIP Semarang Press.
- Rustaman, N. (1990). *Kemampuan Klasifikasi Logis Nak (Studi Tentang Kemampuan Abstraksi dan Inferensi Anak Usia Sekolah Dasar pada kelompok Budaya Sunda)*. Disertasi. Pascasarjana IKIP Bandung. Tidak Diterbitkan.
- Saminan, (2001). Model Pembelajaran Kooperatif Kombinasi STAD dan TGT dalam Meningkatkan Hasil Belajar IPA Mahasiswa PGSD FKIP Universitas Syiah Kuala. *Wacana Kependidikan*, Volume 2 No. 3. FKIP Universitas Syiah Kuala.
- Santoso, S., (2003). *Buku Latihan SPSS Statistik Multivariate*. Jakarta : Elex Media Komputindo, Gramedia.
- Schoenfeld, A. J., (1992). Learning to Think Mathematically: Problem Solving, Metacognition, and Sense Making in Mathematics. Dalam Douglas A. Grows (editor) *Handbook of Research on Mathematics Teaching*. NCTM. New York : Macmillan Publishing Company.
- Schoenfeld, A. J., (1987). *What's All of the Fuss About Metacognition?* [Tersedia]. <http://www.mathforum.org/~sarah/discussion/schoenfeld.html>. tanggal 28 Maret 2003.
- Swartz, S.P., (1994). *Fundamentals of Reasoning*. New York: Macmillan Publishing Company.

- Seegers & Boekaerts, (1996). Gender-related Differences in self-Referenced Cognitions in Relation to Mathematics. *Journal Research in Mathematics Education*. Vol. 27, No. 2. 215-240. NCTM.
- Shimada, S., (1997). The Significance of an Open-Ended Approach. Dalam Jerry Becker dan Shigeru Shimada. *The Open ended Approach: A New Proposal for Teaching Mathematics*. Virginia : NCTM.
- Shurter, R.L. dan Pierce, J.R., (1966). *Critical Thinking*. New York : Mc. Graw Hill.Inc.
- Silver, E. A., (1985). Research on Teaching Mathematical Problem Solving: Some Underrepresented Themes and Needed Directions. Dalam Edward A. Silver (editor) *Teaching and Learning Mathematical Problem Solving: Multiple Research*. New Jersey : Lawrence Erlbaum Associates Publisher.
- Slavin, R. E., (1996). Research on Co-operative Learning and Achievement: What we Know, What we Need Know. *Contemporary Educational Psychology*. Volume 21. 43 – 69.
- Soejadi, R., (1999-2000). *Kiat Pendidikan Matematika di Indonesia (Konstataasi Keadaan Masa Kini Menuju Harapan Masa Depan)*. Jakarta : Dirjen Dikti Depdiknas.
- Soehakso, R.M.J.T., (1993). *Pengantar Matematika Modern*. Jakarta : Departemen Pendidikan Dan Kebudayaan.
- Steel, R.G.D. dan Torrie, J.H., (1995). *Prinsip dan Prosedur Statistika (Suatu Pendekatan)*. Terjemahan. Jakarta : Gramedia Putaka Utama.
- Sudjana, (1984). *Metoda Statistika*. Bandung: Tarsito.
- ✓ Sumarmo, U., (1987). *Kemampuan Pemahaman dan Penalaran Matematika Siswa SMA Dikaitkan dengan Kemampuan Penalaran Logik Siswa dan Beberapa Unsur Proses Belajar Mengajar*. Disertasi. Pascasarjana IKIP Bandung : Tidak Diterbitkan
- Sumarmo, U., Suryadi, D., Rukmana, K., Dasari, D. & Suhendra, (1997). *Pengembangan Model Pembelajaran Matematika untuk Meningkatkan Kemampuan Intelektual Tingkat Tinggi Siswa Sekolah Dasar*. Laporan Penelitian. FPMIPA UPI Bandung : Tidak Diterbitkan..
- Sumarmo, U., (2002). *Alternatif Pembelajaran Matematika dalam Menerapkan Kurikulum Berbasis Kompetensi*. Makalah pada Seminar Matematika Tingkat Nasional yang Diselenggarakan BEM Himpunan Mahasiswa Jurusan Pendidikan Matematika FPMIPA UPI Bandung. Bandung.
- Suparno, P., (1997). *Filsafat Konstruktivisme dalam Pendidikan*. Yogyakarta : Penerbit Kanisius.

- Supriadi, D., (1994). *Kreativitas, Kebudayaan dan Perkembangan IPTEK*. Bandung: Alfabeta.
- Tim MKPBM Jurusan Pendidikan Matematika UPI, (2001). *Strategi Pembelajaran Matematika Kontemporer*. Bandung : JICA UPI Bandung.
- Van den Heuvel-Panhuizen, M . J., (1998). *Mathematics in the netherlands : A Guide tour..* Freudenthal Institute, Utrecht University, The Netherlands Standards for Mathematics Education.
- Vygotsky, L., (2003). *The Problem of The Culture Development of The Child*. [tersedia]. www.emtech.net/learning_theories.html (15 Mei 2003)
- Wahyudin, (1999). *Kemampuan guru Matematika, Calon Guru matematika, dan Siswa dalam Mata Pelajaran Matematika*. Disertasi. UPI Bandung : Tidak Dipublikasikan.
- Walpole, R.E. (1995). *Pengantar Statistika* (terjemahan). Jakarta : Gramedia Pustaka Utama.
- Wartono. (1996). *Pengembangan Model Pembelajaran Inkuiri Akrab Lingkungan untuk Mengembangkan Keterampilan Berpikir dan Meningkatkan Prestasi Belajar Siswa dalam Bidang Sains di Sekolah Dasar*. Disertasi. Pascasarjana IKIP Bandung : Tidak Diterbitkan.
- Yoshimoto, M., (2000). The Pattern of Reasoning in Daily Live. *Mathematics Education in Japan*. JSME July 2000.