

## DAFTAR PUSTAKA

- Arikunto, S. (2002). *Prosedur Penelitian. Suatu Pendekatan Praktek*. Edisi Revisi V. Jakarta: Rineka Cipta.
- Armanto. Dian. (2002). *Teaching Multiplication and Division Realistically in Indonesia Primary School, a Prototype of Local Instructional Theory*. Thesis University of Twente. Enschede: Print Partner Ipskamp.
- Asmin (2003). Implementasi Pembelajaran Matematika Realistik (PMR) dan Kendala yang Muncul di Lapangan. *Jurnal Pendidikan dan Kebudayaan No. 044 – September 2003*, Departemen Pendidikan Nasional.
- Baron, R.A. (1992). *Psychology (2<sup>nd</sup> ed.)*. Boston: Allyn&Bacon.
- Bell, F. (1981). *Teaching and Learning Mathematics (In Secondary School)*. Dubuque, Iowa: Wm. C. Brown Company Publishers.
- Bitter, G.G. (1987). Microcomputer-Based Math Fitness. *Technological Horizons in Education*, 25, 106-109.
- Bock, D., Verschaffel, L., & Janssens. (1998). The Predominance of The Linear Model in Secondary Schoo Student's Solution of Word Problem Involving Length and Area of Similar Plane Figures, *Educational Studies in Mathematics*, 35, 65-83.
- Bonotto, C. (2000). *Mathematics In and Out of School: Is it Possible Connect Thesew Contexts ? Exemplification from an Activity in Primary School* [On line]. Tersedia: <http://www.uku.edu/~scheffield/bonottopby/html>. [27 Januari 2007]
- Brown, S. & Walter, M. (1993). *Problem Posing, Reflections and Applications*. New Jersey: LEA.
- Carlan, Veronica G., Rubin ,R., and Morgan, Bobette M. (2004). *Cooperative Learning, Mathematical Problem Solving, and Latinos*. The University of Texas at Brownsville and Texas Southmost College.
- Copley, J.V. (1994). *Problem Solving for The Young Children*. Texas: University of Houtson.
- Copper, J. (1984). Mathematical Problem Solving: Research Review and Instructional Implications, *Research Into Practice Digest*, I & II.
- Corte, E. de, & Somers, R. (1982). Estimating The Outcome of a Task as a Heuristic Strategy in Arithmetic Problem Solving: A Teaching Experiment with Sixth graders, *Human Learning*, 1, 105-121.
- Corte, E. de, Verschaffel, L., Van Coillie, V. (1988). Influence of Number Size, Problem Structure and Response Mode on Children's Solution of Multipli- cation Word Problems, *Journal of Mathematical Behavior*, 7, 197-216.

- Corte, E. de, Greer, B., & Verschaffel, L.(1996). Psychology of Mathematics Teaching and Learning, in D.C Berliner & R.C. Calfee (Eds.), *Hand Book of Educational Psychology* (pp. 491-549). New York: Macmillan.
- Darhim (2004). *Pengaruh Pembelajaran Matematika Kontekstual terhadap Hasil Belajar dan Sikap Siswa SD Kelas Awal dalam Matematika*. Disertasi Program Doktor pada PPs UPI Bandung. Tidak dipublikasikan.
- Davis (1996). One Very Complette View (Though Only One) of How Children Learn Mathematics „, *Journal for Research in Mathematics Education*, Vol. 27, No. 1, January 1996, 100-106.
- Dixon, Wilfrid J., Massey, Jr Frank J.(1983). *Introduction to Statistical Analysis. Fourth Edition*. Los Angeles: Mc. Graw-Hill, Inc. All Right reserved.
- Eissen, G. van (1991). *Heuristic and Arithmetic Word Problem*. Unpublished Doctoral Dissertation. Amsterdam: State University Amsterdam.
- Ernest, Paul (1989). Introduction. Dalam Paul Ernest (editor). *Mathematics Teaching, The State of The Art*. New York, Philadelphia, London: The Falmer Press.
- Ernest, Paul (1991). *The Philosophy of Mathematics Education*. London: The Falmer Press.
- Fadlun, S. (2002). *Penerapan Pembelajaran Matematika Realistik di SD*. Tesis PPS Universitas Negeri Surabaya (UNESA). Tidak dipublikasikan.
- Figueiredo (1999). *Ethnics Minority Students Solving Contextual Problem*. The Netherlands: Freudenthal Institute.
- Freudenthal, Hans (1973). *Mathematics as an Educational Task*. Dordrecht: D. Reidel Publishing Co.
- Freudenthal, Hans (1991). *Revisiting Mathematics Education*. Mathematics Education Library. The Netherlands: Kluwer Academic Publisher.
- Gravemeijer, K.P.E. (1994). *Developing Realistic Mathematics Education*. Utrecht : Freudenthal Institute.
- Greer, B.(1992). Multiplication and Division as Models of Situations. In D.A. Grouws (Eds.), *Handbook of Educational Psychology* (pp. 276-295). New York: Macmillan.
- Hadi, Sutarto (2007). Keberaksaraan Matematika. Dalam *Majalah PMRI*, Vol. V, No. 1, Januari 2007. IP-PMRI FMIPA ITB.
- Haji, Saleh (2005). *Pengaruh Pendekatan Matematika Realistik terhadap Hasil Belajar Matematika di SD*. Disertasi. Tidak dipublikasikan. PPs UPI Bandung
- Hawa, S. (2001). Pembelajaran Pemecahan Masalah Matematika Model Polya Bagi Siswa Kelas II di SD. *Forum Kependidikan*. 21 (1).
- Heuvel, Van den, Panhuizen (2000). *Mathematics Education in the Netherlands a Guided Tour [On Line]*. Tersedia: <http://www.fi.uu.nl/en/indexpublications.html>. Diakses tanggal 27 Januari 2007.

- Hudojo, H.(1998). *Pembelajaran Matematika Menurut Pandangan Konstruktivistik*. Makalah disajikan pada Seminar Nasional Upaya-upaya Meningkatkan Peran Pendidikan dalam Era Globalisasi. PPS IKIP Malang. Malang, 4 April 1998.
- Hudojo, Herman (2002). Representasi Belajar Berbasis Masalah. *Jurnal Matematika atau Pembelajarannya*. 7 (Edisi Khusus), 427- 432.
- Inagaki, K., Morita, E., Hatano, G.(1999). Teaching – Learning of Evaluative Criteria for Mathematical Arguments Through Classroom Discourse: A Cross-National Study. *Mathematical Thinking and Learning*, I (2), 93-111.
- Isrok'atun (2006). *Pembelajaran Matematika dengan Strategi Kooperatif Tipe STAD untuk Meningkatkan Kemampuan Pemecahan Masalah dan Komunikasi Siswa SMA*. Tesis, SPs UPI. Tidak dipublikasikan.
- Johnson, D.W. & Johnson, R. (1981). Effect of Cooperatif , Competitive, and Individualistic Goal Structures on Achievement: A Meta Analysis. *Psychological Bulletin*, 89, 47-62.
- Johnson, D.W. & Johnson, R. (1983). Interdependence and Interpersonal Attraction among Heterogenous and Homogenouse Individuals: A Theoretical Formulation and A Meta Analysis of the Research, *Review of Educational Research*, 52.hal. 5-54.
- Johnson, D.W & Johnson R. (1991). *Cooperation in the Classroom*. Edina Minn: Interaction Book Company.
- Kariadinata, R. (2001). *Peningkatan Pemahaman dan Kemampuan Analogi Matematika Siswa SMU melalui Pembelajaran Kooperatif: Studi Eksperimen pada Salah Satu SMU Negeri di Kota Bandung*. Thesis tidak dipublikasikan, PPSP. UPI.
- Kantowski, M.G. (1981). Problem Solving. Dalam Elizabeth Fennema (editor) *Mathematics Education Research, Implications for 80's*. Virginia: Association for Supervision and Curriculum Development.
- Killen, R. (1998). *Effective Teaching Strategies*. Second Edition. Australia: Social Science Press
- Kohler (1929). *Gestalt Psychology*. New York: Liveright.
- Krulik, S. & Rudnick, J.A.(1995). *The New Source Book for Teaching Reasoning and Problem Solving in Elementary School*. Boston, London, Toronto: Allyn and Bacon.
- Krutetskii, V.A. (1976). *The Psychology of Mathematical Ability in School Children*. Chicago: Chicago University Press.
- Kuoba, V.L. at al,(1988). Results of the Fourth NAEP Assessment of Mathematics. *Aritmetics Teacher*, 35, 14-19.
- Lange, J. de (1987). *Mathematics, Insight, and Meaning*. The Netherlands, Utrecht: OW&OC.

- Lange, J. de (1996). Using and Applying Mathematics in Education. In A.J. Bishop et al. (Eds.). *International Handbook of Mathematics Education*. Kluwer, 49-97.
- Leiken, Roza, and Zaslavsky. 1997. "Facilitating Student Interaction in Mathematics in a Cooperative Learning Setting". JRME Vol. 28, No. 3 May 1997, pp. 331-354
- Lester, F., Garofalo, J.,& Kroll, D. (1989). *The Role of Metacognition in Mathematical Problem Solving: A Study of Two Grade Seven Classes (Final Report to The National Science Foundation, NSF Project No. MDR 85-50346)*. Blomington: Indiana University, Mathematics Education Development Center.
- Marpaung, Y. (2001). *Karakteristik PMRI (Pendekatan Matematika Realistik Indonesia)*. Makalah disampaikan dalam seminar Nasional Pendidikan Matematika Jurusan Pendidikan Matematika Universitas Negeri Surabaya.
- Marpaung, Y. (2002). *Pendidikan Matematika Realistik Indonesia (PMRI). Perubahan Paradigma dalam Pembelajaran Matematika di Sekolah*. Jurnal Matematika atau Pembelajarannya. Bagian I. Prosiding Konferensi Nasional Matematika XI Universitas Negeri Malang, 22-25 Juli 2002.
- Matlin, M.W. (1994). *Cognition*. Forth Worth: Harcourt Brace College Publ.
- Mayer, R.E., et al (1991). Mathematical Problem Solving in Japan and the United States: A Controlled Comparison. *Journal of Educational Psychology*, Vol. 83, No. 1 , 69-72.
- Mc Givney, J.M. dan de Franco, T.C. (1995). Geometry Proof Writing. A Problem Solving Approach a'la Polya. *The Mathematics Teacher Journal*. 88 (7), 552-555.
- Mc.Leod, D. (1992). Research on Affect in Mathematics Education. A Reconceptualisation. In D.A. Grows (ED.), *Handbook of Research on Mathematics Teaching and Learning* (pp. 575-596). New York: Macmillan.
- Mullis,M.,Gonzalez&Chrostowski(2004). *TIMSS 2003 International Mathematics Report: Findings from IEA's Trends in International Mathematics and Science Study at the Fourth and Eighth Grades*. TIMSS & PIRLS International Study Center.Lynch School of Education, Boston College.
- Murtadho, S.,dan Tambunan, G. (1987). *Materi Pokok Pengajaran Matematika*. Jakarta: Karunika.
- NCTM (2000). *Defining Problem Solving*. [OnLine]. Tersedia: [http://www.learner.org/channel/courses/teachingmath/gradesk\\_2/session\\_03/section\\_03\\_a.html](http://www.learner.org/channel/courses/teachingmath/gradesk_2/session_03/section_03_a.html). [10 Maret 2007]
- Noer, Sri Hastuti (2007). *Pembelajaran Open Ended untuk Meningkatkan Kemampuan Pemecahan Masalah Matematik dan Kemampuan Berpikir Kreatif (Studi Eksperimen pada Siswa salah Satu SMP N di Bandar Lampung)*. Tesis SPs UPI. Tidak dipublikasikan.

- Parners, S. (1975). *Aha Insight into Creative Behavior*. Buffalo, New York: The Creative Education Foundation.
- Permendiknas RI. Nomor 22 (2006). *Standar Isi untuk satuan Pendidikan Dasar dan Menengah*. Jakarta: Lembaran Negara
- Polya, G. (1985). *How to Solve It. A New Aspect of Mathematical Methods*. New Jersey: Pearson Education, Inc.
- Pusdihartati, Rina Theresia (2006). *Implementasi Pembelajaran Kooperatif Tipe STAD untuk Meningkatkan Kemampuan Pemahaman Matematik Siswa*. Skripsi tidak dipublikasikan, FPMIPA UPI.
- Rahadi, Mursetyo (2002). *Penerapan Model Belajar Kooperatif Tipe TGT dalam Pembelajaran Matematika SMU: Studi Eksperimen di Sekolah Menengah Umum Negeri 1 Garut*. Thesis tidak dipublikasikan, PPs. UPI.
- Ruseffendi, E.T. (1991). *Pengantar kepada Membantu Guru Mengembangkan Kompetensinya dalam Pengajaran Matematika untuk Meningkatkan CBSA*. Bandung: Tarsito.
- Ruseffendi, E.T. (1998a). *Dasar-Dasar Penelitian Pendidikan dan Bidang Non Eksakta Lainnya. Bagi para Peneliti, Penulis Skripsi, Penulis Tesis, Penulis Disertasi, Dosen Metode Penelitian, dan Mahasiswa*. Semarang: IKIP Semarang Press.
- Ruseffendi, E.T. (1998b). *Statistika Dasar untuk Penelitian Pendidikan*. Bandung: IKIP Bandung Press.
- Sabandar, J.( 2001). *Refleksi dalam Pembelajaran Matematika Realistik*. Makalah disajikan dalam Seminar Nasional Pendidikan Matematika Realistik di Universitas Sanata Dharma Yogyakarta, 14-15 Nopember 2001.
- Schoenfeld, A. (1988). When Good Teaching Least to Bad Results: The Disasters of "Well-Taught"Mathematicas Courses. *Educational Psychologist*. 23, 145-166.
- Schoenfeld, A. (1992). Learning to Think Mathematically: Problem Solving. Metacognition, and sense Making in Mathematics. In D.A. grows (Ed.), *Handbook of Research on Mathematics Teaching and Learning* (pp. 334-370). New York: Macmillan.
- Schoenfeld, (1994). *Mathematical Thinking and Problem Solving*. Hillsdale, New Jersey: LEA.
- Schunk, D.H. (1990). Introduction to The Special Section on Motivation and Efficacy. *Journal of Educational Psychology*, 82. hal. 1-6.
- Slavin, Robert E. (1997). *Educational Psychology. Theory and Practice. Fifth Edition*. Boston: Allyn and Bacon.
- Sobel, Max. A. & Maletsky, Evan M. (1991). *Teaching Mathematics, A Source Book of Aids, Activities, and Strategies*. Boston-London-Toronto-Sydney-Tokyo-Singapore: Allyn & Bacon.

- Soedjadi, R.(2001). *Pembelajaran Matematika Berjiwa RME (Suatu Pemikiran rintisan ke Arah Upaya Baru)*. Makalah Disajikan dalam Seminar Nasional "Pendidikan Matematika Realistik Indonesia" tanggal 14-15 Nopember 2001 di Universitas Sanata Dharma, Yogyakarta.
- Streefland, Leen (1991). *Realistic Mathematics Education in Primary School* Utrecht: Freudenthal Institute.
- Suharta, I Gusti Putu. (2004). *Pembelajaran Pecahan di Sekolah Dasar dengan Menggunakan Pendekatan Matematika Realistik*. Disertasi Pendidikan Matematika, Program Pascasarjana Universitas Negeri Surabaya. Tidak dipublikasikan.
- Sujono (1988). *Pengajaran Matematika untuk Sekolah Menengah*. Jakarta: Depertemen Pendidikan dan Kebudayaan, Dirjen Dikti, Proyek Pengembangan Lembaga Pendidikan Tenaga Kependidikan.
- Sumarmo, Utari (1993). *Peranan Kemampuan Logika dan Kegiatan Belajar terhadap Kemampuan Pemecahan Masalah pada Siswa SMA di Kodya Bandung*. Laporan Penelitian FPMIPA IKIP Bandung.
- Sumarmo, Utari (2005). *Pembelajaran Matematika untuk Mendukung Pelaksanaan Kurikulum Tahun 2002 Sekolah Menengah*. Makalah disajikan dalam Seminar Pendidikan Matematika FMIPA Universitas Negeri Gorontalo.
- Suradi (2005). *Interaksi Siswa SMP dalam Belajar Matematika Secara Kooperatif*. Disertasi Pendidikan matematika, Program Pascasarjana Universitas Negeri Surabaya. Tidak dipublikasikan
- Susanta, B. dan Soedijono (1989). *Model Matematika*. Jakarta: Karunika UT.
- Suyanto, S., Suratsih, dan Paidi (2003). Meningkatkan Kemampuan Siswa SD untuk Memecahkan Masalah IPA melalui Metode Problem Solving. *Jurnal Matematika Integratif 2* (Edisi Khusus).
- Treffers, A. dan Goffree, F. (1985). Rational Analysis of Reaalistic Mathematics Educations. The Wiskobas Program. In L. Streefleand (Ed.) *Proceeding of The Ninth International Converence for The Psychology of Mathematics Education* (Vol. II, pp. 97-121). Utrecht: OW&OC, Utrecht University.
- Treffers, A. (1991). Realistic Mathematics Education in The Netherlands 1980-1990. In L. Streefland (Ed.). *Realistic Mathematics Education in Primary School*. Utrecht: Freudenthal Institut.
- Tuckman, Bruce W. (1978). *Conducting Educational Research, Second Edition*. San Diego, New York, Chicago, Atlanta Washington, D.C. London, Sydney, Toronto: Harcourt Brace Jovanovich, Publishers.
- Turmudi (2001). *Peningkatan Kemampuan Pemahaman Konsep Matematika bagi Siswa SLTP melalui Pendekatan Realistik*. Laporan Hasil Penelitian Hibah DUE-LIKE UPI Bandung.
- Tchoshanov, M.A. (2001). Representation and Cognition Internalizing Mathematical Concepts. Dalam H. Hitt (Ed.). *Working Group on*

- Representations and Mathematics Vizualization (1998-2001)*. [online]. Tersedia : <http://www.matedu.cinvestav.mx/Adelira.pdf>. [20 Juli 2008]
- UNDP (2005). *Human Development Report 2005*. United Nations Development Programme. [Online]. Tersedia: [http://hdr.undp.org/reports/global/2005/pdf/HDR05\\_HDI.pdf](http://hdr.undp.org/reports/global/2005/pdf/HDR05_HDI.pdf) . [27 April 2007]
- Verschaffel, L., et al, (1999). Learning to Solve Mathematical Application Problems: A Design Experiment with Fifth Graders. *Mathematical Thinking and Learning*, 1999, 1(3), 195-229.
- Wahyudin (2003). " Peranan Problem Solving". *Proceeding National Seminar on Science and Mathematics Educations, the Role of IT/ICT in Supporting the Implementation of Competency-Based Curriculum*. Bandung: JICA-IMSTEP
- Wertheimer, M. (1959). *Productive Thinking*. New York: Houger & Row.
- Wheatley (1991). Constructivist Perspective on Science and Mathematics Learning". *Journal of Research in Science Teaching*. 1 (2). 197-223.
- Yulaaelawati, Ella (2004). *Kurikulum dan Pembelajaran, Filosofi, Teori, dan Aplikasi*. Bandung: Pakar Raya Pustaka.
- Zulkardi (2001). *Realistic Mathematics Education. Teori, Contoh Pembelajaran, dan Taman Belajar di Internet*. Makalah disampaikan dalam Seminar Nasional tentang RME, 4 April 2004 di UPI Bandung.

