

## DAFTAR PUSTAKA

- Akbar, S. 2013. *Instrumen Perangkat Pembelajaran*. Bandung: Remaja Rosdakarya.sw
- Akker, J, V, D. 1999. *Principles and Methods of Development Research*. Dalam Plomp, T; Nieveen, N; Gustafson, K; Branch, R.M; dan Van Den Akker, J (eds). *Design Approaches and Tools in Education and Training*. London: Kluwer Academic Publisher.
- Ahghar, G. 2012. Effect of Problem-solving Skills Education on Auto-regulation learning of High School Students in Tehran. *Elsevier, Procedia - Social and Behavioral Sciences*, 69:688 – 694.
- Aljaberi, N.M & Eman Gheith. 2015. University Students' Level of Metacognitive Thinking and their Ability to Solve Problems. *Jurnal: American International Journal of Contemporary Research* Vol. 5, No. 3.
- Amin, I. & Sukestiyarno, Y.L.. 2015. *Analysis Metacognitive Skills On Learning Mathematics In High School*. *Jurnal: International Journal of Education and Research* Vol. 3, No. 3.
- Anderson, O.W. & Krathwohl, D.R. 2001. *A Taxonomy for Learning Teaching, and Assessing (A Revision of Blooms Taxonomy of Educational Objectives)*, Addison Wesley, Longman, New York. (Online) (<http://p4mriunpat.wordpress.com/2011/11/14/metakognisi-dalam-pembelajaran-matematika/>, diakses 20 September 2016).
- Anggo, M. 2011. *Pelibatan Metakognisi dalam Pemecahan Masalah Matematika*. *Jurnal: Edumatica Volume 01 Nomor 01, April 2011*
- Anthony, G. & Walshaw, M. 2009. *Characteristics of Effective Teaching of Mathematics*. A View From the West. *Journal of Mathematics Education*. 2 (2): 147-164
- Arends, R.I. 2008b. *Learning to Teach, Belajar untuk Mengajar. Edisi Ketujuh. Jidil Dua*. Terjemahkan oleh Soedjipto, Helly, P. dan Soedjipto, Sri, M. Yogyakarta: Pustaka Pelajar.
- Arends, R.I. 2012. *Learning to Teach, 9<sup>th</sup> Edition*. New York: McGraw-Hill, a business unit of The McGraw-Hill Companies, Inc.
- Arikunto, S. 2007. *Prosedur Penelitian (Suatu Pendekatan Praktik)*. Yogyakarta : PT. Rineka Cipta.
- Asmin. & Mansyur, A. 2014. *Pengukuran dan Penilaian Hasil Belajar dengan Analisis Klasik dan Modern*. Medan: LARISPA.
- Aufa, M., dkk. 2016. Development of Learning Devices through Problem Based Learning Model Based on the Context of Aceh Cultural to Improve Mathematical Communication Skills and Social Skills of SMPN 1 Muara Batu Students. *Journal Education and Practice*. 7(4). 2222-2288.
- Center for Development of Academic Excellence (CDAE). 2013. *Student Centered Learning (SCL)*. Malaysia: Universitas Sains Malaysia.

- Cohors-Fresenborg, E., dan Kaune, C. 2007. Modelling Classroom Discussion and Categorizing Discursive and Metacognitive Activities. *In Proceeding of CERME 5*. 1180– 1189.
- Creswell, J.W. 2014. *Educational Research Planning, Conducting and Evaluating Quantitative and Qualitative Research*. Boston : Pearson
- Dahar. R.W. 2011. *Teori-teori Belajar dan Pembelajaran*. Jakarta: Erlangga
- Dick, W., Carey. L., Carey., J.O. 2009. *The Systematic Design of Instruction*. New Jersey: Pearson.
- Eggen, P. & Kauchak, D. 2012. *Strategi dan Model Pembelajaran Mengajar Konten dan Keterampilan Berpikir*. Jakarta: Indeks.
- Fatokun, J.O. & Fotakun, K.V.F. (2013), *A Problem Based Learning (PBL) Application for the Teaching of Mathematics and Chemistry in Higher Schools and Tertiary Education: An Integratif Approach*. Educational Research and Reviews-Academic Journal, (Online) Vol. 8, ([www.academicjournals.org/.../Fatokun%20and%20](http://www.academicjournals.org/.../Fatokun%20and%20), diakses 20 Oktober 2016)
- Fisher R. 1998. Thinking about Thinking: developing metacognition in children. *Early Child Development and Care*, Vol 141 (1998) pp1-15.
- Hake, R. 1999. *Analyzing Change/Gain Scores*. Woodland Hills: Dept. Of Physics, Indiana University.
- Hamalik, O. 2010. *Kurikulum dan Pembelajaran*. Bandung: Penerbit Bumi Aksara
- Hasratuddin. 2015. *Mengapa Harus Belajar Matematika?*. Medan: Perdana Publishing.
- Herman. (2012). Pengembangan Perangkat Pembelajaran Model Pengajaran Langsung untuk Mengajar Materi Kesetimbangan Benda Tegar. *Jurnal Sains dan Pendidikan Fisika*, 8(1).
- Hoe, L.N. dkk. 2001. *The Role of Metacognition in the Learning of Mathematics Among Low Achieving Students*. Singapore: Institute of Education *Teaching and Learning*, 22(2)18-30.
- Hudojo, H. 2005. *Pengembangan Kurikulum dan Pembelajaran Matematika*. Malang: Penerbit Universitas Malang.
- Idrus, A. 2009. *Manajemen Pendidikan Global (visi, Aksi dan Adaptasi)*. Jakarta: GP Press.
- Izzati, N., dkk. 2010. The Effects of Problem Based Learning on Mathematics Performance and Affective Attributes in Learning Statistics at Form Four Secondary Level. *Procedia Sosial and Behaviour Science (Elsevier)*. 8(370-376).
- Jayapraba,G. 2013. *Metacognitive Instruction and Cooperative Learning-Strategies For Promoting Insightful Learning In Science*. Research Scholar. University Tirunelveli India. *International Journal on New Trends in Education and Their Implications*. 4(5):165-172.

- Jonnasen, D. 2000. *Toward a Design Theory of Problem Solving to Appear in Educational Technology*. Research and Development.
- Kazemi, F., dkk. 2010. A Subtle View to Meta-Cognitive Aspect of Mathematical Problems Solving. *Proceedings of the Social and Behavioral Sciences*. 8:420-426.
- Laurens, T. 2010. Penjenjangan Metakognisi Siswa yang Valid dan Reliabilitas. *Jurnal Pendidikan dan Pengajaran*. 17(2): 201-210.
- Lijedhal, P., dkk. 2016. *Problem Solving in Mathematics Education: ICME-13 Topical Surveys*. Germany: Springer Open.
- Livingstone. 1997. *Metacognition: An Overvie*. (Online). (<http://gse.buffalo.edu/fas/shuell/CEP564/metacog.html>, diakses 30 Agustus 2016).
- Moleong. 2014. *Metode Penelitian Kualitatif*. Bandung: Remaja Rosdakarya.
- Muir, T., Beswick, K., & Williamson, J., (2008), I am not Very Good at Solving Problems: An Exploration of Student's Problem Solving Behaviours, *The Journal of Mathematical Behaviour*, 27(3), 228-241.
- Mulbar, U. 2008. *Metakognisi Siswa dalam Menyelesaikan Masalah Matematika*. Makassar: FMIPA UNM Makassar. (Online) (<http://www.usmanmulbar.files.wordpress.com>, diakses 23 November 2016)
- Mulyana, S. dkk. (2013). Pembelajaran Matematika Siswa Kelas V dengan Model *Cooperatif Learning* Bermuatan Pendidikan Karakter. *Journal of Primary Education*. 2(1):134-140.
- Muchayat. 2011. Pengembangan Perangkat Pembelajaran Matematika dengan Strategi *Ideal Problem Solving* Bermuatan Pendidikan Karakter. *Jurnal PP* (Online), Vol 1, No. 2, (<http://journal.unnes.ac.id/nju/index.php/jppasca/article/download/1545/1721>, diakses 2 November 2016).
- North Central Regional Educational Laboratory (NCREL). 2007. *Metacognition*. (Online), (<http://www.ncrel.org/sdrs/areasissues/students/learning/lrlmetn.html>, diakses 20 Oktober 2016)
- National Council of Teacher of Mathematics (NCTM). 2000. *Principles and Standards for School Mathematics Drive*, Reston. VA: USA.
- Nieveen, N. 2007. *An Introduction to Education Design Research*. China. (Online), ([www.slo.nl/organisatie/international/publications](http://www.slo.nl/organisatie/international/publications), diakses 17 Oktober 2016).
- Özcan, Z. Ç. & Erkin, E. 2015. Enhancing Mathematics Achievement of Elementary School Students through Homework Assignments Enriched with Metacognitive Questions. *Eurasia Journal of Mathematics, Science & Technology Education*. Vol. 11(6): 1415-1427.
- Ozgen, K. 2013. Self-efficacy Believe in Mathematical Literacy and Connection Between Mathematics and Real World: The Case of High School Student. *Journal of International Education Research – Fourth Quarter*. 9(4).

- Panoura, A. dkk. 2005. *Young Pupil's Metacognitive Ability In Mathematics, European Research in Mathematics*, Departeman Of Education, University of Cyprus, Cyprus. (Online), (<http://p4mriunpat.wordpress.com/2011/11/14/metakognisi-dalam-pembelajaran-matematika/> diakses 27 September 2016).
- Peirce, W. 2003. *Metacognition: Study Strategies, Monitoring, and Motivation*. Prince George's Community College.
- Pape, S. J., & Smith, C. 2002. Self-Regulation Mathematics Skills. *Theory Into Practice*. 41, 93-101.
- Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia 104 Tahun 2014 tentang *Penilaian Hasil Belajar Oleh Pendidik Pada Pendidikan Dasar dan Pendidikan Menengah*. Jakarta: Debdikbud
- Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia Nomor 81A Tahun 2013. *Implementasi Kurikulum*. Jakarta: Permendikbud.
- Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia Nomor 65 Tahun 2013 *Standar Proses Dasar dan Menengah*. Jakarta: Permendikbud
- Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia Nomor 58 Tahun 2014 tentang *Kurikulum 2013 Sekolah Menengah Pertama/Madrasah Tsanawiyah*. Jakarta: Permendikbud.
- Pimta, S., dkk. 2009. Factors influencing mathematics problem solving ability of sixth grade students. *Journal of Social Sciences*, 5(4). 381-385.
- Polya, G. 1985. *How to Solve It 2nd ed Princeton*. University Press: New Jersey.
- Posamentier, A. S., & Krulik, S. 2009. *Problem Solving in Mathematics Grades 3-6, Powerful Strategies to Deepen Understanding*. Thousand Oaks: Corwin.
- Rusman. 2011. *Model-Model Pembelajaran Mengembangkan Profesionalisme Guru*. Bandung: Rajagrafindo Perkasa.
- Rusman. 2012. *Model-model Pembelajaran Mengembangkan Profesionalisme guru*. Jakarta: Rajawali Pers.
- Sanjaya, W. 2008. *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*. Jakarta: Kencana Prenada Media.
- \_\_\_\_\_. 2010. *Perencanaan dan Desain Sistem Pembelajaran*. Jakarta: Kencana Prenada Media Group.
- Saragih, S., & Habeahan, W.L. 2014. The Improving of Problem Solving Ability and Students' Creativity Mathematical by Using Problem Based Learning in SMP Negeri 2 Siantar. *Journal of Education and Practice*. 5 (35): 123-132.
- Schwartz, R & Perkins, D. 1989. *Teaching Thinking-Issues and Approaches*. Pacific Grove. CA: Midwest Publications
- Sengul, S & Katranci, Y. 2015. Meta-cognitive Aspects of Solving Indefinite Integral Problems. *Elsevier, Procedia Social and Behavioral Sciences*. 197:622-629.



- Setyosary, P. 2010. *Metode Penelitian dan Pengembangan*. Jakarta : Kencana Pranada Media Group.
- Sinaga, B. 2007. *Pengembangan Model Pembelajaran Matematika Berdasarkan Masalah Berbasis Budaya Batak (PBM-B3)*. Disertasi Tidak diterbitkan. Surabaya: Program Pascasarjana UNESA.
- Siregar, N. 2013. *Pengembangan Modul untuk Membelajarkan Kemampuan Pemecahan Masalah Matematika Siswa Pada Materi Pecahan Melalui Strategi TTW pada Siswa SMP*. Tesis tidak diterbitkan. Medan: Program Pascasarjana UNIMED.
- Sudijono, A. 2009. *Pengantar Statistik Pendidikan*. Jakarta: Rajawali Pers.
- Sugiyono. 2012. *Metode Penelitian Pendidikan*. Bandung: Alfabeta
- \_\_\_\_\_. 2013. *Statistik Untuk Penelitian*. Bandung : Alfabeta.
- \_\_\_\_\_. 2014. *Metode Penelitian Pendidikan Pendekatan Kuantitatif Kualitatif, dan R&D*). Bandung : Alfabeta.
- Suparman, A. 2014. *Desain Instruksional Modern (Edisi Keempat)*. Jakarta: Erlangga.
- Suprpto. 2013. *Metodologi Penelitian Ilmu Pendidikan dan Ilmu-ilmu Pengetahuan Sosial*. Yogyakarta: CAPS (Center for Academic Publishing Service).
- Susanto, J. 2012. Pengembangan perangkat pembelajaran berbasis lesson study dengan model kooperatif tipe Numbered Heads Together untuk meningkatkan aktivitas dan hasil belajar IPA di SD. *Journal of Primary education ISSN 2252-6404*. Semarang. (online) (<http://journal.unnes.ac.id>. Diakses 15 Oktober 2016)
- Taccasu. 2008. *Metacognition*. (Online), (<http://www.hku.hk/cepc/taccasu/ref/metacognition.html>, diakses 2 Oktober 2016).
- Teaching Excellence in Adult Literacy (TEAL). 2010. *Metacognitive Process*. Boston: American Institute For Research.
- Tirtarahardja, U. (2008). *Pengantar Pendidikan*. Jakarta: Rineka Cipta
- Trianto. 2009. *Model Mendesain Model Pembelajaran Inovatif-Progresif*. Jakarta: Prestasi Pustaka.
- \_\_\_\_\_. 2011. *Mendesain Model Pembelajaran Inovatif-Progresif. Konsep, Landasan, dan Implementasinya pada KTSP*. Jakarta: Kencana Prenada Media Group.
- Uno, H.B. 2006. *Model Pembelajaran: Menciptakan Proses Belajar Mengajar yang Kreatif dan Efektif*. Jakarta: Bumi Aksara.
- Wellman, H. 1985. *The Origins of Metacognition*. In D.L.Forrest-Pressely, G.E.Mackinnon, and T.G.Waller. *Metacognition, Cognition and Human Performance*. Volume 1 – Theoretical Perspective. Academic Press.