

DAFTAR PUSTAKA

- Ahmed, W. dkk. (2012). Reciprocal relationship between math self-concept and math anxiety. *Journal Learning and Individual Differences*, 22. hlm. 385-389.
- Akinmola, E. A. (2014). Developing mathematical problem solving ability: a panacea for a sustainable development in the 21st century. *International Journal of Education and Research*, 2 (2).
- Apriyani, S.A., dkk. (2014). *Penerapan model 7E learning cycle pada pelajaran fisika dalam implementasi kurikulum 2013*. Prosiding Fisika 2014 Universitas Negeri Jakarta. Diakses Dari: http://snf.unj.ac.id/files/8714/2345/2850/prosiding_fisika_2014_fix12.pdf
- Arifin, Z. (2009). *Evaluasi pembelajaran*. Bandung: PT Remaja Rosdakarya.
- Awan, R. dkk. (2011). A study of relationship between achievement motivation, self concept and achievement in english and mathematics at secondary level. *International Education Studies*, 4 (3). hlm. 72-79.
- Aydogdu, M. Z., dan Kesan C. (2014). A research on geometry problem solving strategies used by elementary mathematics teacher candidates. *Journal of Educational and Instructional Studies in The World*, 4(1). hlm. 53-62.
- Ayodele, O. J. (2011). Self-concept and performance of secondary school student in mathematics. *Journal of Education and Developmental Psychology*, 1 (1). hlm. 176-183.
- Badger, M. S., dkk. *Teaching problem-solving in undergraduate mathematics*. London: Coventry University.
- Baykul, Y dan Yazici, E. (2011). Problem solving in elementary mathematics curriculum. *International Journal on New Trends in Education and Their Implication*, 2 (4). hlm. 29-37.
- Branca, N.A. (1980). Problem solving as a goal, process, and basic skill. *Problem Solving School Mathematics*. Editor : Krulik, S. and Reys, R.E. Reston : National Council of Teacher Mathematics.
- Charles, dkk. (1987). *How to evaluate progress in problem solving*. Reston, VA : National Council of Teachers Mathematics.
- Creswell, J.W. (2010). *Research design pendekatan kualitatif, kuantitatif, dan mixed*. Yogyakarta: Pustaka Pelajar.
- Dahlan, J.A. (2011). *Materi pokok analisis kurikulum matematika*. Jakarta: Universitas Terbuka.

- Das, R dan Das, G. C. (2013). Math anxiety: the poor problem solving factor in school mathematics. *International Journal of Scientific and Research Publications*, 3 (4).
- Demirdag, dkk. (2011). Developing instructional activities based on constructivist 7e model: chemistry teachers' perspective. *Journal of Turkish Science Education*, 8 (4). hlm. 18-28
- Eisenkraft, A. (2003). Expanding the 5E Model. Dalam *Journal for High School Science Educators*.[Online], Vol 70, (6), 56-59. Tersedia: <http://www.its-about-time.com/htmls/ap/eisenkraftst.pdf>
- Emmanuel, A. dkk. (2014). Achievement motivation, academic self-concept and academic achievement among high school students. *European Journal of Research and Reflection in Educational Sciences*, 2 (2). hlm. 24-37.
- Eric, C. C. M. (2009). Mathematical modelling as problem solving for children in the Singapore mathematics classroom. *Journal of Science and Mathematics Education in Southeast Asia*, 32(1). hlm. 36-61.
- Ersoy, E dan Guner, P. (2015). The place of problem solving and mathematical thinking in the mathematical teaching. *The Online Journal of New Horizons in Education*, 5 (1).
- Florida Department of Education. (2010). *Classroom cognitive and meta-cognitive strategies for teacher*. Florida: Bureau of Exceptional Education and Student Service
- Fung, M.G. dan Roland L. (2004). writing, reading, and assessing in an elementary problem solving class. In problems, resources, and issues in mathematics undergraduate studies: *ProQuest Education Journals*.
- Githua, B.N., dan Mwangi, J.G. (2003). Students' mathematics self-concept and motivation to learn mathematics: relationship and gender differences among Kenya's secondary-school students in Nairobi and Rift Valley provinces. *International Journal of Education Development*, 23. hlm. 487-499.
- Hanifah. (2015). *Penerapan pembelajaran Model Eliciting Activities (MEA) dengan pendekatan Saintifik untuk meningkatkan kemampuan representasi dan pemecahan masalah matematis siswa*. Tesis pada SPs UPI Bandung: Tidak Diterbitkan
- Harsojo, A. (2014) *Pengertian konsep diri*. Diakses dari: <https://dpdliisumenep.wordpress.com/>
- Hartono. (2013). Learning cycle-7e model to increase student's critical thinking on science. *Jurnal Pendidikan Fisika Indonesia* (9). hlm 58-66.
- Herman, T. (2000). *Strategi pemecahan masalah (problem-solving) dalam pembelajaran matematika*. Makalah Disajikan dalam Asistensi Guru Suci Intan Sari, 2016
- PENCAPAIAN KEMAMPUAN PEMECAHAN MASALAH MATEMATIS DAN SELF-CONCEPT SISWA DENGAN LEARNING CYCLE 7E**
- Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- Madrasah Ibtidaiyah dan Tsanawiyah Jawa Barat Tanggal 28 September s.d. 3 Oktober 2000.
- Husna, dkk. (2013). Peningkatan kemampuan pemecahan masalah dan komunikasi matematis siswa sekolah menengah pertama melalui model pembelajaran kooperatif tipe *Think-Pair-Share* (TPS). *Jurnal Peluang*, 1 (2), hlm. 81-92
- Stenmark, J.I. (1991). *Mathematics assessment: myths, models, good questions and practical suggestion*. Reston, VA: National Council of Teachers of Mathematics.
- Indriyani, I.R. (2014). *Pengembangan LKS fisika berbasis learning cycle 7E untuk meningkatkan hasil belajar dan mengembangkan kemampuan berpikir kritis pada siswa SMA kelas X pokok bahasan elektromagnetik*. Tesis pada SPs Universitas Ahmad Dahlan: Tidak Diterbitkan.
- James, A. O., dan Adewale. O. A. (2012). Relationship between senior secondary schools students' achievement in mathematical problem-solving and intellectual abilities test. *European Scientific Journal*, 8 (15). hlm. 169-179.
- Juhaeri, M. (2014). *Peningkatan kemampuan berpikir kritis, berpikir kreatif matematis, dan self-concept siswa SMP melalui metode reciprocal teaching*. Tesis pada SPs Universitas Pendidikan Indonesia: Tidak Diterbitkan.
- Kartika, I. dkk. (2011). Teori-teori pendidikan. *Makalah Fakultas Ilmu Pendidikan Universitas Negeri Malang*. Malang.
- Kuzle, A. (2012). Patterns of metacognitive behavior during mathematics problem-solving in a dynamic geometry environment. *International Electronic Journal of Mathematics Education*. 8(1). hlm. 20-40.
- Kvedere, L. (2014). Mathematics self-efficacy, self-concept and anxiety among 9th grade students in latvia. *Procedia-Social and Behavioral Sciences*, 116.
- Laelasari, dkk. (2014). Penerapan model pembelajaran learning cycle dalam kemampuan representasi matematis mahasiswa. *Jurnal Euclid*, 1 (2). hlm. 82-92.
- Lestari, W. D. (2014). *Peningkatan kemampuan pemecahan masalah matematis dan mabits of managing impulsivity siswa SMP melalui pembelajaran kooperatif tipe group investigation berbantuan proyek*. Tesis pada SPs Universitas Pendidikan Indonesia: Tidak Diterbitkan.
- Lilis. (2014). *Peningkatan kemampuan kemahaman dan komunikasi matematis serta self-concept siswa SMP melalui pembelajaran kooperatif tipe Two-Stay Two-Stray*. Tesis pada SPs Universitas Pendidikan Indonesia: Tidak Diterbitkan

- Lui, A. (2012). *White paper teaching in zone*. [Online]. Diakses dari: www.childrensprogress.com
- Mahanta, D. (2014). Impact of attitude and self-concept of the students toward mathematics upon their achievement in mathematics. *International Journal of Theoretical & Applied Sciences*, 6 (1). hlm. 20-35.
- Masrukan. (2014). *Asesmen otentik pembelajaran matematika*. Semarang: CV Swadaya Manunggal.
- Mataka, L. M. dkk. (2014). The effect of using an explicit general problem solving teaching approach on elementary pre-service teachers' ability to solve heat transfer problems. *International Journal of Education in Mathematics, Science and Technology*, 2 (3). hlm. 164-174.
- Minstry of Education. *A guide to effective instruction in mathematics, Volume Two*. Ontario: Departmen of Education.
- Mucherah, W. dkk. (2010). Perception of self-concept and actual academic performance in math and English among high school students in kenya. *International Research Journal*, 1 (8). hlm. 263-275.
- Mullis, I.V.S. dkk. (2012). *TIMSS 2011 international results in mathematics*. Boston: Boston College
- Musriandi, R. (2013). *Model pembelajaran matematika tipe group investigation untuk meningkatkan kemampuan pemecahan masalah matematis dan self-concept siswa MTs*. Tesis pada SPs Universitas Pendidikan Indonesia: Tidak Diterbitkan.
- Nagy, G., dkk. (2010). The development of students' mathematics self-concept in relation to gender: different countries, different trajectories?. *Journal of Research on Adolescence*, 20(2). hlm. 482-506.
- Namukasa, I.K. dan Polotskaia, E. (2011). Teaching through mathematics problems: re-designed for a focus on mathematics. *International Journal of Mathematics Trends and Tecnology*, 4. hlm. 50-54.
- Narbawi, M. (2010). *motivasi dan learning cycle dalam pembelajaran Pendidikan Agama Islam*. Tesis pada SPs UIN Jakarta: Tidak Diterbitkan.
- Novotna, J., dkk. (2014). Problem solving in school mathematics based on heuristic strategies. *Journal on Efficiency and Responsibility in Education and Science*, 7(1). hlm. 1-6.
- Nurhayati, A. (2015). *Meningkatkan kemampuan koneksi matematis, self-confidence siswa melalui penerapan pendekatan pembelajaran saintifik berbantuan persoalan open-ended*. Tesis pada SPs Universitas Pendidikan Indonesia: Tidak Diterbitkan.

- Obilor, I. E. (2009). Relationship between self-concept and mathematics achievement of senior secondary students in port harcourt. *Proceedings of the 1st International Technology, Education and Environment Conference, African Society for Scientific Research (ASSR)*.
- Pearce, D. L., dkk. (2012). What teachers say about student difficulties solving mathematical word problems in grades 2-5. *International Electronic Journal of Mathematics Education*. 8(1). hlm. 2-19.
- Peraturan Menteri Pendidikan Nasional Republik Indonesia nomor 22 tahun 2006 tentang standar isi untuk satuan pendidikan dasar dan menengah.
- Peraturan Rektor Universitas Pendidikan Indonesia nomor 4518/ UN40/ HK/ 2014 tentang pedoman penulisan karya ilmiah UPI tahun akademik 2014/ 2015
- Phil, M. (2014). A study on achievement motivation and problem solving ability in mathematics of ix standard student in relation to their sex and type of school. *Indian Journal of Applied Research*, 4 (12). hlm. 186-188.
- Pimta, S. dkk. (2009). Factors influencing mathematics problem-solving ability of sixth grade students. *Journal of Social Sciences*, 5 (4), hlm. 381-385.
- Piraksa, C, dkk. (2009). Grade 10 students' physics problem solving ability of force and law of motion using 7e learning cycle and polya's problem solving technique. *Third International Conference on Science and Mathematics Education*.
- Pitriati. (2014). *Pengaruh penerapan model learning cycle 7E terhadap peningkatan kemampuan penalaran dan kemampuan komunikasi matematis siswa SMP*. Tesis pada SPs UPI Bandung: Tidak Diterbitkan.
- Polyiem, T. dkk. (2011). Learning achievement, science process skill, and moral reasoning of ninth grade students learned by 7e learning cycle and socioscientific issue-based learning. *Australian Journal of Basic and Applied Sciences*, 5 (10), hlm. 257-263.
- Priyatno, D. (2012). *Cara kilat belajar analisis data dengan SPSS 20*. Yogyakarta: PT Andi Offset
- Pujiastuti, H. dkk. (2014). Inquiry co-operation model for enhancing junior high school students' mathematical problem solving ability. *International Journal of Contemporary Educational Research*, 1 (1). hlm. 51-60.
- Puspendik BSNP . (2015). *Laporan hasil ujian nasional SMP/ MTs tahun pelajaran 2014-2015*. Jakarta: Kemdiknas
- Qarerah, A.O. (2012). The effect of using the learning cycle method in teaching science on the educational achievement of the sixth graders. *International Journal Education Science*, 4 (2). hlm. 123-132.

- Rahman, R. (2010). *Pengaruh pembelajaran berbantuan geogebra terhadap kemampuan berpikir kreatif dan self concept siswa*. Tesis pada SPs UPI Bandung: Tidak Diterbitkan.
- Reksoatmodjo, T.N. (2009). *Statistika untuk psikologi dan pendidikan*. Bandung: PT. Refika Aditama.
- Riduwan. (2014). *Dasar-dasar statistika*. Bandung: Alfabeta.
- Ruseffendi, HET. (2006). *Pengantar kepada membantu guru mengembangkan kompetensinya dalam pengajaran matematika untuk meningkatkan CBSA*. Bandung: Tarsito
- Russeffendi, HET. (1998). *Statistika dasar untuk penelitian pendidikan*. Bandung: IKIP Bandung Press
- Sani, R.A. (2013). *Inovasi pembelajaran*. Jakarta: PT Bumi Aksara.
- Sari, N.M. (2013). *Kemampuan metagognisi dan pemecahan masalah matematis siswa SMP dalam pembelajaran metode eksplorasi*. Tesis SPs Universitas Pendidikan Indonesia: Tidak Diterbitkan.
- Santyasa, I.W. (2007). Model-model pembelajaran inovatif. *Makalah FPMIPA Universitas Pendidikan Ganesha*. Bali
- Shadiq, F. *Empat objek langsung matematika menurut Gagne*. Diakses dari: www.fadjarp3g.wordpress.com
- Shadiq, F. (2004). *Pemecahan masalah, penalaran, dan komunikasi dalam pembelajaran matematika*. Yogyakarta: Depdiknas Dirjen Dikdasmen PPPG Matematika.
- Sholihah, I. R. (2012). *Pengaruh model pembelajaran learning cycle 7E terhadap kemampuan koneksi matematis siswa SMP*. Diakses dari: <http://digilib.unpas.ac.id/gdl.php?mod>
- Siribunnam, R dan Tayraukham, S (2009). Effects of 7-e, kwl, and conventional instruction on analytical thinking, learning achievement an attitudes toward chemistry learning. *Journal of Social Sciences*, 5 (4). hlm. 279-282.
- Sornsakda, S. dkk. (2009). Effects of learning environmental education using the 7e-learning cycle with metacognitive techniques and the teacher's handbook approaches on learning achievement, integrated sciences process skill and critical thinking of Mathayomsuksa 5 students with different learning achievement. *Pakistan Journal of Social Sciences*, 6 (5), hlm. 297-303
- Stanly, S. L. (2014). A study on achievement motivation and problem solving ability in mathematics of ix standard students in relation to their sex and type of school. *Indian Journal of Applied Research*, 4(12). hlm. 186-188.

- Sudjana. (2002). *Metoda statistika*. Bandung: Tarsito
- Suherman, E. dkk. (2003). *Strategi pembelajaran matematika kontemporer*. Bandung: FPMIPA UPI
- Sumarmo, U. (2012). *Pendidikan karakter serta pengembangan berpikir dan disposisi matematika dalam pembelajaran matematika*. Makalah Disajikan pada Seminar Pendidikan Matematika di NTT tanggal 25 Februari 2012
- Suprijono, A, (2009). *Cooperative learning teori & aplikasi PAIKEM*. Yogyakarta: Pustaka Pelajar.
- Syaiful. (2013). The teaching model to enhance mathematical problem solving ability in junior high school teacher. *International Journal of Education and Research*, 1 (9).
- Szetela & Nicol. (1992). Evaluating problem solving in mathematics. *Educational Leadership*. hlm 42-45
- Tambychik, T dan Meerah, T. S. M. (2010). Students' difficulties in mathematics problem-solving: what do they say?. *Procedia Social and Behavioral Sciences*, 8. hlm. 142-151.
- Tang, S. (2011). The relationship of self-concept, academic achievement and future pathway of first year business studies diploma students. *International Journal of Psychological Studies*, 3 (2). hlm. 123-134.
- Tuna & Kacar. (2013). The effect of 5e learning cycle model in teaching trigonometry on students' academic achievement and the permanence of their knowledge. *International Journal on New Trends in Education and Their Implications*, 4 (1). hlm. 73-87
- Turmudi. (2008). *Pemecahan masalah matematika* pdf. Diakses dari: http://file.upi.edu/browse.php?dir=Direktori/FPMIPA/JUR_MATEMATIKA/196101121987031-TURMUDI/ PEND
- Ulya, H., dkk. (2014). Analysis of mathematics problem solving ability of junior high school students viewed from students' cognitive style. *International Journal of Education and Research*, 2(10). hlm. 577-582.
- Wang J. (2007). A trend study of self-concept and mathematics achievement in a cross-cultural context. *Mathematics Education Research Journal*, 19(3). hlm. 33-47.
- Wilkins, J. M. (2004). Mathematics and science self-concept: an international investigation. *The Journal of Experimental Education*, 72(4). hlm. 331-346.