

DAFTAR PUSTAKA

- Abdullah, N.I., Tarmizi, R.A & Abu, R. 2010. The Effects of Problem Based Learning on Mathematics Performance and Affective Attributes in Learning Statistics at Form Four Secondary Level. *International Conference on Mathematics Education Research 2010 (ICMER 2010). Procedia Social and Behavioral Sciences 8 (2010) 370–376.*
- Akbar, S. 2013. *Instrumen Perangkat Pembelajaran*. Bandung: Remaja Rosdakarya.
- Amalia, E., Surya, E. & Syahputra, E. 2017. The Effectiveness of Using Problem-Based Learning (PBL) in Mathematics Problem Solving Ability for Junior High School Students. *IJARRIE-ISSN (O)-2395-4396 Vol-3 Issue-2.*
- Arends, R.I. 2008. *Learning to Teach. Buku Dua. Edisi Ketujuh*. Yogyakarta: Pustaka Pelajar.
- Akker, J. V. D. 1999. *Principle and Methods of Development Research*. First Edition Illionis: F. E Peacock Publishers, Inc
- Arikunto, S. 2013. *Prosedur Penelitian: Suatu Pendekatan Praktik*. Yogyakarta: PT. Rineka Cipta
- Armis & Suhermi. 2017. Pengembangan Perangkat Pembelajaran Matematika Berbasis *Problem Based Learning* Untuk Siswa Kelas VII Semester 1 SMP/MTS Materi Bilangan dan Himpunan. *Jurnal Pendidikan Matematika dan Ilmu Pengetahuan Alam*. Vol. 5. No. 1. Hal: 25-42
- Asmin & Mansyur, A. 2014. *Pengukuran dan Penilaian Hasil Belajar dengan Analisis Klasik dan Modern*. Medan: LARISPA.
- Aufa, M., Saragih, S & Minarni, A. 2016. Development of Learning Devices through Problem Based Learning Model Based on Context of Aceh Cultural to Improve Mathematical Communication Skills and Social Skills of SMPN 1 Muara Batu Students. *Journal of Education and Practice*. Vol. 7, No. 24, 2016.
- Ayotolaa, A. & Adedejib. 2009. The relationship between mathematics self-efficacy and achievement in mathematics. *World Conference Education Science; Procedia Social and Behavioral Sciences,1 (2009) 953–957.*
- Azwar, Surya, E & Saragih, S. 2017. Development of Learning Devices Based on Contextual Teaching and Learning Model Based on the Context of Aceh Cultural to Improve Mathematical Representation and Self-efficacy Ability of SMAN 1 Peureulak Students, *Journal of Education and Practice*, Vol.8, No.27, 2

- Bahar, A. & Maker, C. J. 2015. Cognitive Backgrounds of Problem Solving: A Comparison of Open-ended vs. Closed Mathematics Problems. *Eurasia Journal of Mathematics, Science & Technology Education*, 11(6), 1531 – 1546
- Bandura, A. 1994. Self-efficacy. In V. S. Ramachaudran (Ed.), *Encyclopedia of humanbehavior* (Vol. 4, pp. 71-81). New York: Academic Press. (Reprinted in H. Friedman [Ed.], *Encyclopedia of mental health*. San Diego: Academic Press, 1998)
- Bandura, A. 1997. *Self-Efficacy: The Exercise of Control*. New York: W.H. Freeman and Company.
- Baron, R. A & Byrne, D. 2004. *Psikologi Sosial*. Jakarta: Erlangga.
- Bergqvist, T. 2011. Problem Solving in Mathematics Education. *Proceedings From The 13th Pro Math Conference September 2-4, 2011, in Umea, Sweden*, ISBN 978-91-7459-556-7.
- Choo, S. S. Y.; Rotgans, J. I.; Yew, E. H. J. & Schmidt, H. G. 2011. Effect of Worksheet Scaffolds on Student Learning in Problem-Based Learning. *Journal of Advance in Health Sciences Education*. 16: 517-528.
- Chusnul C., Mardiyana, & Dewi Retno S. 2017. Errors Analysis of Problem Solving Using The Newman Stage After Applying Cooperative Learning of TTW Type. *AIP Conference Proceedings* 1913(2017), 020028-1 - 020028-7
- Dahar, R.W. 2011. *Teori-teori Belajar & Pembelajaran*. Jakarta: Erlangga
- Daryanto. 2013. *Inovasi pembelajaran Efektif*. Bandung: Yrama Widya
- Effiong, Ekpo, O & Igiri C.E. 2015. Impact of Instructional Materials in Teaching and Learning of Biology In Senior Secondary Schools In Yakurr LG. A. *International Letters of Social and Humanistic Sciences*. ISSN 2300-2697 Vol. 62 pp 27-33. DOI.
- Eggen, P & Kauchak, D. 2012. *Strategi dan Model Pembelajaran Mengejar Konsten Keterampilan Berfikir*. Jakarta: Indeks.
- Eviyanti, C Y., Surya, E., Syahputra, E & Simbolon, M. 2017. Improving The Students' Mathematical Problem Solving Ability By Applying Problem Based Learning Model in VII Grade at SMPN 1 Banda Aceh Indonesia. *International Journal Of Novel Research In Education and Learning*. Vol. 4 Issue 2, pp (138-144).
- Fatade, A. 2013. Effect of Problem-Based Learning on Senior Secondary School Students' Achievements in Further Mathematics. *Acta Didactica Napocensia*. Volume 6, Number 3, 2013

- Goulão, M. 2014. The Relationship between Self-Efficacy and Academic Achievement in Adults' Learners. *Athens Journal of Education August 2014*
- Gravemeijer, K., Fauzan, A., & Plomp, T. (2013). *The development of an RME based Geometry Course for Indonesian Primary School*. Netherlands: SLO
- Harjanto. 2008. *Perencanaan Pengajaran*. Jakarta: Rineka Cipta
- Hasratuddin. 2012. Meningkatkan Kecerdasan Emosional Melalui Pembelajaran Matematika Realistik. *Jurnal Pendidikan dan Pembelajaran*, Volume 19, Nomor 1, April 2012
- Hasratuddin. 2015. *Mengapa Harus Belajar Matematika*. Medan: Perdana Publishing.
- Herman. 2012. Pengembangan Perangkat Pembelajaran Model Pengajaran Langsung untuk Mengajarkan Materi Keseimbangan Benda Tegar. *Jurnal Sains dan Pendidikan Fisika*, (Online), Jilid 8 Nomor 1, April 2012 hlm 1-11.
- Hudojo, H. 2005. *Pengembangan kurikulum dan Pembelajaran Matematika*. UM Press: IKIP Malang
- Ismaimuza, D. 2010. *Kemampuan Berpikir Kritis dan Kreatif Matematis Siswa SMP Melalui Pembelajaran Berbasis Masalah dengan Strategi Konflik Kognitif*. Disertasi. Bandung: Tidak Diterbitkan.
- Istarani. 2012. *58 Model Pembelajaran Inovatif*. Medan: Media Persada.
- Isjoni. 2013. *Cooperative Learning Efektivitas Pembelajaran Kelompok*. Bandung: Alfabeta.
- Jatisunda, M G. 2017. Hubungan Self-Efficacy Siswa SMP dengan Kemampuan Pemecahan Masalah Matematis. *THEOREMS (The Original Reserach of Mathematics)*. Vol. 1 No.2.
- Kartikasari, A., & Widjajanti, D.B. 2017. The Effectiveness of Problem Based Learning Approach Based on Multiple Intelligences in Terms of Students Achievement, Mathematical Connection Ability and Self Esteem. *J. Phys.: Conf. Ser.* 812 012097. doi:10.1088/1742-6596/812/1/012097
- Kemendikbud. 2013. *Permendikbud No.71 tentang Buku teks pelajaran*. Jakarta: Kementerian Pendidikan dan Kebudayaan
- Kemendikbud. 2014. *Materi Pelatihan Guru Implementasi Kurikulum 2013 Tahun 2014; Mata Pelajaran Matematika SMA/SMK*. ____ : Badan Pengembangan Sumber Daya Manusia Pendidikan dan Kebudayaan dan Penjaminan Mutu Pendidikan – Kementerian Pendidikan dan Kebudayaan

- Kleine, M & Thomas, K. 2013. Predicting Students' Confidence: How Teacher Feedback and Other Sources Influence Self-Efficacy in Mathematics Classroom. *Theses and Disertations-Educational, School and Counseling Psychology*.
- Kuzle, A. 2013. Patterns of Metacognitive Behavior During Mathematics Problem-Solving in a Dynamic Geometry Environment. *International Electronic Journal of Mathematics Education – IΣJMΣ, Vol.8, No.1pp. 20-40February 02*
- Laine, A., Naveri, L., Pehkonen, E., Ahtee, M. & Hannula, S. M. 2012. Third Graders Problem Solving Performance and Teachers' Actions. Dalam Bergqvist, T (Ed) Learning Problem Solving and Learning Through Problem Solving. *Proceedings from the 13th ProMath Conference, September 2011, 69-81*.
- Ling, N. S. 2011. I Will Survive. *Collaborative Learning in the PBL Classroom*. 11: 20-22.
- Liu, X. & Koirala, H. 2009. The Effect of Mathematics Self-Efficacy on Mathematics Achievement of High School Students". *NERA Conference*
- Lunenburg, F. 2011. Self-Efficacy in the Workplace: Implications for Motivation and Performance. *International Journal Of Management, Business, And Administration Volume 14, Number 1*. Sam Houston State University.
- Majid, A. 2011. *Perencanaan Pembelajaran Mengembangkan Standar Kompetensi Guru*. Bandung: PT Remaja Rosdakarya.
- Manurung, B. 2015. *Peningkatan Kemampuan Pemecahan Masalah dan Self-efficacy Matematis Siswa SMP Paulian 1 Medan Melalui Pembelajaran Berbasis Masalah*. Tesis PPs UNIMED.
- Minarni, A. & Napitupulu, E. 2017. Developing Instruction Materials Based on Joyful PBL to Improve Students Mathematical Representation Ability. *International Education Studies*. Vol. 10. No. 9. 2007
- Moma, L. 2014. Peningkatan Self-Efficacy Matematis Siswa SMP Melalui Pembelajaran Generatif. *Cakrawala Pendidikan*, Th. XXXIII, No. 3
- NCTM. 2000. *Principles and Standards for school mathematics*. Reston, VA: National Council of Teachers of Mathematics.
- NCTM. 2009. *A Vision for School Mathematics*. (<http://www.nctm.org/Search/?ky=NCTM%27s%20vision>.)
- Nieveen, N. 2007. *An Introduction to Education Design Research*. China: The east China Normal University.

- Noer, S.H. 2012. *Self-efficacy Mahasiswa Terhadap Matematika*. Jurnal. Universitas Lampung.
- Nwike, M C. & Catherine, O. 2013. Effects of Use Instructional Materials on Students Cognitive Achievement In Agricultural Science. *Journal of Educational and Social Research*. Vol. 3(5) August 2013. ISSN 2239-978X. Doi:10.5901/jesr.2013.v3n5p103.
- OECD. 2016a. *PISA 2015 Results (Volume I): Excellence and Equity in Education*, PISA. Paris: OECD Publishing.
- OECD. 2016b. *PISA 2015 Results, Country Note: Indonesia*. Paris: OECD Publishing.
- Olayanki, A. R. B. 2016. Effects of Instructional Materials on Secondary Schools Students' Academic Achievement in Social Studies in Ekiti State, Nigeria, *World Journal of Education*, Vol. 6, No. 1
- Ormrod, J.E. 2008. *Human Learning (5th ed)*. Upper Saddle River, NJ: Pearson.
- Parajes, F. & Miller, M.D. 1994. The role of self-efficacy and self-concept beliers in Math-ematical Problems-solving. A path analysis. *Journal of Educational Psychology*, 86, 193 – 203.
- Pariska, I. S.; Elniati, S. & Syafriandi. 2012. Pengembangan Lembar Kerja Siswa Matematika Berbasis Masalah. *Jurnal Pendidikan Matematika*. Vol. 1, No. 1: 75-80.
- Padmavathy, R. D & Mareesh, K. 2013. Effectiveness of Problem Based Learning In Mathematics. *International Multidisciplinary e-Journal*. Vol-II, Issue-I, Jan -2013, ISSN 2277 – 4262.
- Peranginangin, S. A., Saragih, S & Siagian, P. 2019. Development of Learning Materials through PBL with Karo Culture Context to Improve Students' Problem Solving Ability and Self-Efficacy. *International Electronic Journal of Mathematics Education*. E-ISSN: 1306-3030 Vol. 14, No. 2, 265-274.
- Permendikbud No. 65 Tahun .2013. *Standar Proses Dasar dan Menengah*. Jakarta: Permendikbud
- Polya, G. 1957. *How To Solve It (2nd ed)*. Princeton: Princeton University Press
- Ramadhani, R. 2016. Pengembangan Perangkat Pembelajaran Matematika yang Berorientasi Pada model *Problem Based Learning*. *Jurnal Matematika Kreatif-Inovatif*. Kreano 7 (2) (2016): 116-122.
- Risnanosanti. 2016. Self efficacy Mahasiswa Terhadap Matematika dan Pembelajaran Berbasis Kegiatan Lesson Study. *Jurnal Elemen* Vol.2 No.2. hal 127-135.

- Rochmad. 2012. Desain Model Pengembangan Perangkat Pembelajaran. *Jurnal Kreano*, (Online), Vol. 3 No. 1, Juni 2012, ISSN:2086-2334.
- Rokhmawati, Diah. J, Djatmika, E.T & Wardana, L. 2016. "Implementation of Problem Based Learning Model to Improve Students Problem Solving Skill and Self Efficacy (A study on IX Class Students of SMP Muhammadiyah)". *IOSR Journal of Research & Method in Education (IOSR-JRME)*. E-ISSN: 2320-7388, p-ISSN: 2320-737X. Volume 6, Issue 3 Ver. IV.
- Rohman, M & Amri, S. 2013. *Strategi dan Desain Pengembangan Sistem Pembelajaran*. Jakarta: Prestasi Pustaka
- Rohmah, M. & Sutiarmo, S. 2018. Analysis Problem Solving in Mathematical Using Theory Newman. *EURASIA Journal of Mathematics, Science and Technology Education*, 14(2): 671-681.
- Ruseffendi, E.T. 1991. *Pengantar kepada Membantu Guru Mengembangkan Kompetensinya dalam Pengajaran Matematika untuk Meningkatkan CBSA*. Bandung: Tarsito.
- Rusman. 2014. *Model-model Pembelajaran (Mengembangkan Profesionalisme Guru)*. Jakarta: Raja Grafindo Persada.
- Sahyar & Fitri, R.Y. 2017. The Effect Problem Based Learning Model (PBL) and Adversity Quotient (AQ) on Problem-Solving Ability. *American Journal of Education Research*. Vol. 5 No. 2.
- Sajadi, M, Amiripour, P & Rostamy, M 2013. The Examining Mathematical Word Problems Solving Ability under Efficient Representation Aspect. *Mathematics Education Trends and Research*. 1-11.
- Saragih, S, & Habeahan, W.L. 2014. The Improving of Probem Solving Ability and Students' Creativity Mathematical by Using Problem Based Learning in SMP Negeri 2 Siantar. *Journal of Education and Practice*, vol. 5, no. 35, page: 123-132
- Saragih, S., Napitupulu, E. E & Fauzi, A. 2017. Developing Learning Model Based on Local Culture and Instrumentfor Mathematical Higher Order Thinking Ability, *International Education Studies*, Vol. 10, No. 6
- Sari, D. T., Kristiani & Wardani, D.K. 2015. Penerapan Model PBL untuk Meningkatkan Kemampuan Berpikir Kritis dan Hasil Belajar Siswa Pada Materi Ekonomi Di SMA Negeri 3 Surakarta Tahun Pelajaran 2014/2015. *Prosiding Seminar Nasional Pendidikan Ekonomi & Bisnis*. ISBN: 978-602-8580-19-9.
- Sariningsih, R & Purwasih, R. 2017. Pembelajaran Problem Based Learning untuk Meningkatkan Kemampuan Pemecahan Masalah Matematis dan Self

- Efficacy Mahasiswa Calon Guru. (JNPM). *Jurnal Nasional Pendidikan Matematika*. Vol 1. No 1.
- Shadiq, F. 2004. *Pemecahan masalah, Penalaran dan Komunikasi*. Yogyakarta: Departemen Pendidikan Nasional Direktorat Jenderal Pendidikan Dasar dan Menengah Pusat Pengembangan Penataran Guru (PPG) Matematika.
- Schunk, D. H., Pintrich, P. R & Meece, J. L. 2010. *Motivation in Education*. New Jersey: Pearson Education, Inc.
- Simamora, R. E., Saragih, S & Hasratuddin. 2019. Improving Students' Mathematical Problem Solving Ability and Self-Efficacy through Guided Discovery Learning in Local Culture Context. *International Electronic Journal Of Mathematics Education*. E-ISSN: 1306-3030 Vol. 14. No. 1, 61-72
- Simanungkalit, R. H. 2016. Pengembangan Perangkat Pembelajaran untuk Meningkatkan Kemampuan Pemecahan Masalah Matematis Siswa SMP Negeri 12 Pematangsiantar. *MUST: Journal of Mathematics Education, Science and Technology*. Vol.1. No.1.
- Skaalvik, E. M., Federici, R. A & Klassen, R.M. 2015. Mathematics Achievement and Self-efficacy: Relations with Motivation for Mathematics. *International Journal of Educational Research*,72: 129–136
- Slavin, R. E. 2006. *Educational Psychology, Theories, and Practice Eight Edition*. Massachusetts: Allyn and Bacon Publishers.
- Subaidi, A. 2016. Self Efficacy Siswa dalam Pemecahan Masalah Matematika. *Jurnal SIGMA*, Volume 1, Nomor 2, Maret 2016, Hlm 64-68.
- Sudiono, E. 2017. Analisis Kesalahan dalam Menyelesaikan Soal Matematika Materi Persamaan Garis Lurus Berdasarkan Analisis Newman. *Jurnal Pendidikan Matematik*. Vol. 5, No. 3.
- Sudjana, N. 2005. *Metoda Statistika*. Bandung: Tarsito
- Sugiyono. 2013. *Metode Penelitian Kuantitatif, Kualitatif dan R&D*. Bandung: Alfabeta.
- Suparman, A. 2014. *Desain Instruksional Modern (Edisi Keempat)*. Jakarta: Erlangga.
- Suprijono, A. 2013. *Cooperative Learning Teori dan Aplikasi PAIKEM*. Yogyakarta: Pustaka Pelajar.
- Suriasumantri, J.S. 2012. *Filsafat Ilmu Sebuah Pengantar Populer*. Jakarta: Pustaka Sinar Harapan.

- Surya, E. & Syahputra, E. (2017). *Improving High-Level Thinking Skills by Development of Learning PBL Approach on The Learning Mathematics for Senior High School Students*. International Education Studies; Volume 10, Number. 8 2017.
- Susanto, J. 2012. Pengembangan Perangkat Pembelajaran Berbasis Lesson Study dengan Kooperatif Tipe Numbered Heads Together untuk Meningkatkan Aktivitas dan Hasil Belajar IPA di SD. *Journal of Primary Educational (JPE)*. Vol. 1, No. 2: 71-77
- Syahbana, A. 2012. Pengembangan Perangkat Pembelajaran Berbasis Kontekstual untuk Mengukur Kemampuan Berpikir Kritis Matematis Siswa SMP. *Edumatica*. Vol. 02 No. 02, Oktober 2012, ISSN:2088-2157.
- Szetela, W & Nicol, C. 1992. *Evaluating Problem Solving in Mathematics*. New York: Cambridge University Press.
- Tambunan, H. 2014. Strategi Heuristik Dalam Pemecahan Masalah Matematika Sekolah. *Jurnal Saintech*. Vol.06-No. 04. ISSN No. 2086-9681.
- Thiagarajan, S., Semmel, D.S & Semmel, M.I. 1974. *Instructional Development For Training Teachers of Exceptional Children*. Indiana University Bloomington, Indiana.
- Trianto. 2009. *Mendesain Model Pembelajaran Inovatif-Progresif. Konsep Landasan, dan Implementasinya pada Kurikulum Tingkat Satuan Pendidikan (KTSP)*. Jakarta: Kencana Prenada Media Group.
- Trianto. 2011. *Mendesain Model Pembelajaran Inovatif-Progresif. Konsep Landasan, dan Implementasinya pada Kurikulum Tingkat Satuan Pendidikan (KTSP)*. Jakarta: Kencana Prenada Media Group.
- Trianto. 2013a. *Model Pembelajaran Terpadu dalam Teori dan Praktek*. Jakarta: Prestasi Pustaka
- Trianto. 2013b. *Mendesain Model Pembelajaran Inovatif – Progresif : Konsep, landasan, dan Implementasinya pada Kurikulum Tingkat Satuan Pendidikan (KTSP)*. Jakarta : Kencana Prenada Media Group
- Wardhani, S., Purnomo, S.S. & Wahyuningsih, E. 2010. *Pembelajaran Kemampuan Pemecahan Masalah Matematika DI SMP*. Pusat Pengembangan dan Pemberdayaan Pendidik dan Tenaga Kependidikan (PPPPTK) Matematika.
- White, A.L. 2010. Numeracy, Literacy, and Newman's Error Analysis. *Journal of Science and Mathematics Education in Southeast Asia*, Vol.33 No.2, p.129-148
- Wiratmaja, C G A., Sadia, I.W. & Suastra, I.W. 2014. Pengaruh Model Pembelajaran Berbasis Maslah Terhadap Self-efficacy dan Emotional

Intelligence Siswa SMA. *e-Journal Program Pascasarjana Universitas Pendidikan Ganesha*. (Online). Vol 4.

Yuliani, K. & Saragih, S. 2015. The Development of Learning Devices Based Guided Discovery Model to Improve Understanding Concept and Critical Thinking Mathematically Ability of Students at Islamic Junior High School of Medan, *Journal of Education and Practice*. Vol.6, No.24, 2015 .

Yuniarti, T., Riyadi, & Subandi, S. 2014. Pengembangan Perangkat Pembelajaran Berbasis Masalah (*Problem Based Learning*) Dengan Pendekatan Ilmiah (*Scientific Approach*) Pada Materi Segitiga Kelas VII SMP Se-Kabupaten Karanganyar Tahun Pelajaran 2013/2014. *Jurnal Elektronik Pembelajaran Matematika*. Vol. 2. No.9, hal 911-921.

Yustitia, V. 2015. Peningkatan Kemampuan Pemecahan Masalah Melalui Pengembangan Lembar Kegiatan Siswa (LKS) dengan Pendekatan Saintifik. *Wahana*, Vol 64, No. 1, 1 Juni 2015.

Yuwono, A. 2016. Problem Solving dalam Pembelajaran Matematika. *UNION: Jurnal Pendidikan Matematika* Vol.4 No. 1.

Zakaria, E. & Maat, S. M. 2010. Analysis of Students' Error in Learning of Quadratic Equations. *International Education Studies*, 3(3), 105-110.