

DAFTAR PUSTAKA

- Ajai, J.T. and Imoko, I.I. (2015). Gender Differences in Mathematics Achievement and Retention Scores: a Case of Problem Based Learning Method. *International Journal of Research in Education and Science (IJRES)*, (Online), Vol.1. Issue. 1. Pages. 45- 50. ISSN: 2148- 9955. (www.ijres.net, diakses pada 23 Februari 2018).
- Amir, M. T. (2010). *Inovasi Pendidikan Melalui Problem Based Learning*. Jakarta : Kencana.
- Anderson, James C. (2007). Effect of Problem Based Learning on Knowledge Acquisition, Knowledge Retention, and Critical Thinking Ability of Agriculture Students In Urban Schools. Dissertation: *The Faculty of the Graduate School University of Missouri*, Columbia, (Online), Pages. 1-199, (<https://mospace.umsystem.edu/xmlui/handle/10355/4832>), diakses 8 Juli 2018.
- Arends, R.I. (2008). *Learning To Teach*. Jakarta: Pustaka Pelajar. Translated by Soetjipto, H.P & M.Soetjipto. 2008. Yogyakarta: Pustaka Pelajar.
- Argaw, A. S., Haile, B. B., Ayalew, B. T., and Kuma, S. G. (2016). The Effect of Problem Based Learning (PBL) Instruction on Students' Motivation and Problem Solving Skills of Physics. *EURASIA Journal of Mathematics Science and Technology Education*, (Online), Vol. 13, Issue 3, Pages. 857-871, (<http://iserjournals.com/journals/eurasia>, diakses 10 Mei 2018).
- Arikunto. S. (2014). *Prosedur Penelitian Suatu Pendekatan Praktik*. Jakarta: Rineka Cipta.
- _____. (2005). *Dasar-dasar Evaluasi Pendidikan (Edisi Revisi)*. Jakarta : Bumi Aksara.
- Çakiroğlu, Ü., and Öztürk, M. (2017). Flipped Classroom with Problem Based Activities: Exploring Self-regulated Learning in a Programming Language Course. *Educational Technology & Society*, (Online), Volume. 20, No. 1, Pages. 337–349, (<https://creativecommons.org/licenses/by-nc-nd/3.0/>), diakses 29 Juli 2018).
- Çam, S. S., and Oruç, E. Ü. (2014). Learning Responsibility and Balance of Power. *International Journal of Instruction*, (Online), Vol.7, No.1, Pages. 5-16, (www.e-iji.net diakses 17 Desember 2017).
- Cheng, E. C. K. (2011). The Role of Self Regulated Learning in Enhancing Learning Performance. *Time Taylor International*, (Online), Vol. 6, Issue

- 1, Pages. 1-16, (<https://pdfs.semanticscholar.org/f70a/ff8f07bfae51e47dc51e5675853987f19325.pdf>, diakses 12 Januari 2018).
- Cooper, T., Bailey, B., and Briggs, K. (2015). Gender Differences in Achievement in an InquiryBased Learning Precalculus Course. *Mathematics Education*, (Online), Volume. 10, No. 2, Pages. 97-110, (<http://www.iejme.com/download/gender-differences-in-achievement-in-an-inquiry-based-learning-precalculus-course.pdf>, diakses 18 Mei 2018).
- Demirel, M. and Dağyar.M (2016). Effects of Problem Based Learning on Attitude: a Meta-analysis Study. *Eurasia Journal of Mathematics Science & Technology Education*, (Online). Vol. 12, No. 8, Pages. 2115-2137, (<http://iserjournals.com/journals/ejmste>, diakses 23 Januari 2018).
- Depdiknas. (2014). *Lampiran Peraturan Menteri Pendidikan Nasional dan Kebudayaan Nomor 58 Tahun 2014 Tentang Standar Isi Sekolah Menengah Pertama*. Jakarta: Depdiknas.
- Fauzi, M. A. (2011). *Peningkatan Kemampuan Koneksi Matematis dan Kemandirian Belajar Siswa Dengan Pendekatan Pembelajaran Metakognitif di Sekolah Menengah Pertama*. Disertasi tidak diterbitkan. Bandung: Program Pascasarjana UPI.
- Florida Department of Education: Division of Public Schools and Community Education. (2010). Classroom Cognitive and Metacognitive Strategies for Teachers. *Bureau of Exceptional Education and Student Services*, (Online), (http://floridarti.usf.edu/resources/format/pdf/Classroom%20Cognitive%20and%20Metacognitive%20Strategies%20for%20Teachers_Revised_SR_09.08.10.pdf, diakses 18 Januari 2018).
- Jonassen, D. (2011). Supporting Problem Solving in PBL. *Interdisciplinary Journal of Problem-Based Learning*, (Online), Volume. 5, Issue. 2, Pages. 96-112, (<https://doi.org/10.7771/1541-5015.1256>, diakses 10 Maret 2018).
- Jumaisyarah,T., Napitupulu.E.E., dan Hasratuddin. (2014). Peningkatan Kemampuan Berpikir Kritis Matematis dan Kemandirian Belajar Siswa SMP melalui Pembelajaran Berbasis Masalah. *Jurnal Kreano*, (Online), Volume. 5, Nomor. 2, Halaman. 157-169, (<http://download.portalgaruda.org/article.php?article=3&val=5678&title=>, diakses 25 Desember 2017).
- Juniati, Nova. (2016). *Pengaruh Problem Based Learning dan Pembelajaran Konvensional Terhadap Kemampuan Komunikasi Matematis dan Kemandirian Belajar Siswa di SMP Negeri 1 Dewantara*. Tesis tidak diterbitkan. Medan: Program Pascasarjana UNIMED.

- Kaymakamoğlu, S. E. (2017). Identification of Interpersonal Problem Solving Skills of Students in The Special Education Department, *Elementary Education*, (Online), Vol. 16, No. 4, Pages. 1932-1946, (<http://ilkogretim-online.org.tr>, diakses 10 Pebruari 2018).
- Kurniawati, M., Junaedi, I., dan Mariani, S. (2015). Analisis Karakteristik Berpikir Geometri dan Kemandirian Belajar dalam Pembelajaran Fase Van Hiele Berbantuan Geometers Sketchpad. *Unnes Journal of Mathematics Education Research*, (Online), Vol. 4, No. 2, Halaman. 102-107, (<http://journal.unnes.ac.id/index.php/ujmer>, diakses 8 Januari 2018).
- Kuzle, A. (2013). Patterns of Metacognitive Behavior During Mathematics Problem Solving in a Dynamic Geometry Environment. *International Electronic Journal of Mathematics Education*, (Online), Vol. 8 , No. 1, (<http://www.iejme.com/makale/80/patterns-of-metacognitive-behavior-during-mathematics-problem-solving-in-a-dynamic-geometryenvironment>, diakses 25 Desember 2017).
- Larasati, Diyas A. (2017). Pengaruh model Problem-Based Learning Terhadap Kemampuan Pemecahan Masalah Geografi SMA. *Jurnal Geografi*, (Online), Vol. 9, No. 1, Halaman. 23-40, (<http://jurnal.unimed.ac.id/2012/index.php/geo>), diakses pada 19 Sepember 2018).
- Lestari, P. D., Dwijanto, dan Hendikawati. (2016). Keefektifan Model Problem Based Learning dengan Pendekatan Saintifik Terhadap Kemampuan Pemecahan Masalah dan Kemandirian Belajar Peserta Didik Kelas VII. *UJME (Unnes Journal of Mathematics Education)*, (Online), Volume 5, No. 2, Halaman. 147-153, (<http://journal.unnes.ac.id/sju/index.php/uj>, diakses 11 Januari 2018).
- Lubis, J. N, Asmin, and Syahputra, E. (2017). Improved Mathematical Problem Solving Ability And Student Learning Independence Through Problem Based Learning In SMA Negeri 8 Padangsidimpuan. *IOSR Journal of Research & Method in Education (IOSR-JRME)*, (Online), Volume 7, Issue 4 Ver. V (Jul - Aug 2017), PP 07-17, (www.iosrjournals.org, diakses 22 Desember 2017).
- Lubis, S. D., Surya, E., dan Minarni, A. (Desember, 2015). Peningkatan Kemampuan Pemecahan Masalah Matematik dan Kemandirian Belajar Siswa SMP Melalui Model Pembelajaran Berbasis Masalah. *Jurnal Paradigma*, (Online), Volume. 8, Nomor. 3, Halaman. 98-111, (<https://www.researchgate.net/publication/311562206>, diakses 14 Januari 2018).
- Lupu, C. (2014). The Model Object Product Cognitive Operation Through Mathematical Education. *Procedia - Social and Behavioral Sciences* 163,

- (Online), Published by Elsevier Ltd. Pages. 132–141, (<http://creativecommons.org/licenses/by-nc-nd/3.0/>, diakses 22 Januari 2018).
- Malan, S., and Ndlovu, M. (2014). Introducing problem-based learning (PBL) into a foundation programme to develop self-directed learning skills. *South African Journal of Education*, (Online), Vol. 34, Issue. 1, Pages: 1-16, (<http://www.sajournalofeducation.co.za>, diakses 23 Agustus 2018).
- Marchis, I. Z. (2015). Changing Pre-service Primary School Teachers' Attitude Towards Mathematics by Collaborative Problem Solving. *Academic World Education and Research Center*, (Online) Published by Elsevier Ltd, (<http://creativecommons.org/licenses/by-nc-nd/4.0/> diakses 20 Januari 2018).
- Matondang, Z. (2013). *Statistika Pendidikan*. Medan: Unimed Press.
- Mawardi dan Prihatini, P.N.I. (2011). Perbedaan Efektivitas Pembelajaran Kooperatif Tipe Jigsaw dan Pembelajaran Konvensional Pada Mata Pelajaran PKn Kelas IV SD Negeri 1 Badran Kecamatan Kranggan Kabupaten Temanggung. *Scholaria*, (Online), Vol. 1, No. 1, pp : 194-238, (http://repository.uksw.edu/bitstream/123456789/3174/2/ART_Mawardi%20Puspasari_Perbedaan%20Efektivitas%20Pembelajaran_full%20text.pdf, diakses 10 Maret 2018).
- Narpila, S. D. (2015). *Peningkatan Kemampuan Spasial dan Self Efficacy Siswa Melalui Pembelajaran Inquiry Berbantuan Software Cabri 3D Di Kelas X SMA YPK Medan*. Tesis tidak diterbitkan. Medan : UNIMED.
- Nasution, U.S., Surya, E., Fauzi, Kms.M.A., and Syahputra, E. (2017). Differences Between Mathematical Problem Solving Ability Of Students Taught Using Cooperative Learningmodel NHT And STAD. *IJARIIE*, (Online) Vol-3. Issue. 2, Pages. 2395-4396 (<https://www.researchgate.net/publication/318529227>, diakses 23 Februari 2018).
- NCTM. (2010). Why is Teaching With Problem Solving Important to Student Learning. VA: National Council of Teachers of Mathematics, (Online) (https://www.nctm.org/uploadedFiles/Standards_and_Positions/PSSM_EcutiveSummary.pdf, diakses 10 Desember 2017).
- Pannen, P., dkk. (2001). *Konstruktivisme dalam Pembelajaran*. Jakarta: PAU-PPAI, Universitas Terbuka.
- Papalia, D. E dan Ruth, D. F.Tanpa tahun. *Menyelami Perkembangan Manusia*. Terjemahan Oleh : Fitriani W. H. 2014. Jakarta : Salemba Humanika.

- Perangin-angin, S., and Surya, E. (2017). An Analysis of Students' Mathematics Problem Solving Ability in VII Grade at SMP Negeri 4 Pancurbatu. *International Journal of Sciences: Basic and Applied Research*, (Online), Volume 33, No 2, pp 57-67 (<http://gssrr.org/index.php?journal=JournalOfBasicAndApplied>., diakses 8 Januari 2018).
- Qohar, A., and Sumarmo. U. (2013). Improving Mathematical Communication Ability and Self Regulation Learning of Yunior High Students by Using Reciprocal Teaching. *Jurnal IndoMS. J.M.E*, (Online), Vol. 4 No. 1 January 2013, pages.59-74, (<http://ejournal.unsri.ac.id/index.php/jme/article/viewFile/562/160>, diakses 18 Maret 2018).
- Rokhmawati, J., Djatmika, E., and 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 SmpMuhammadiyah). *IOSR Journal of Research & Method in Education (IOSR-JRME)*, (Online), Vol. 6, Issue 3 Ver. IV, Pages. 51-55, (www.iosrjournals.org, diakses 10 Pebruari 2018).
- Rusman. (2014). *Model-Model Pembelajaran: Mengembangkan Profesionalisme Guru*. Jakarta: Rajawali Pers.
- Sagala, N. L., Rahmatsyah, and Simanjuntak, M. P. (2017). The Influence of Problem Based Learning Model on Scientific Process Skill and Problem Solving Ability of Student. *IOSR Journal of Research & Method in Education*, (Online), Volume 7, Issue 4, (www.iosrjournals.org., diakses 22 Januari 2018).
- Sahyar and Fitri, R. Y. (2017). The Effect of Problem-Based Learning Model (PBL) and Adversity Quotient (AQ) on Problem-Solving Ability. *American Journal of Educational Research*, (Online), Vol. 5, No. 2, Pages. 179-183, (<http://pubs.sciepub.com/education/5/2/11>, diakses 22 Januari 2018).
- Santrock. Tanpa tahun. *Psikologi Pendidikan*. Terjemahan Oleh : Wibowo. 2013. Jakarta : Kencana.
- Schunk, D. H., dan Zimmerman, B. J. (2008). *Motivation and self-regulated learning: Theory, research and applications*. New York: LEA.
- Simamora, R. E., Sidabutar, D. R., and Surya, E. (2017). Improving Learning Activity and Students' Problem Solving Skill through Problem Based Learning (PBL) in Junior High School. *International Journal of Sciences: Basic and Applied Research*, (Online), Volume. 33, No. 2, Pages. 321-331, (<http://gssrr.org /index.php ?journal=JournalOfBasicAndApplied>, diakses 22 Desember 2017).

- Sinaga, B. (2007). *Pengembangan Model Pembelajaran Matematika Berdasarkan Masalah Berbasis Budaya Batak*. Disertasi tidak diterbitkan. Surabaya: PPs UNESA.
- Slavin, E. R. (2011). *Psikologi Pendidikan (Teori dan Praktik)*. Jakarta Barat: Indeks.
- Sudijono, A. (2009). *Pengantar Statistik Pendidikan*. Jakarta : Rajawali Pers.
- _____. (2011). *Pengantar Evaluasi Pendidikan*. Jakarta: Raja Grafindo Persada.
- Sugiyono. (2015). *Metode Penelitian Pendidikan (Pendekatan Kuantitatif, Kualitatif, dan R&D)*. Bandung: Penerbit Alfabeta.
- Suherman, E., dkk. (2003). “*Strategi Pembelajaran Matematika Kontemporer (Edisi Revisi)*”. Bandung: JICA-Universitas Pendidikan Indonesia (UPI).
- Sumarmo, U. (2004). *Kemandirian Belajar Apa, Mengapa dan Bagaimana Dikembangkan pada Peserta Didik*. Makalah disajikan pada Seminar Pendidikan Matematika di FMIPA Universitas Negeri Yogyakarta, (Online), (<https://s3.amazonaws.com/academia.edu.documents/32185486/KemandirianBelajarMatematika.pdf>, diakses 22 Desember 2017).
- Sumirattana, S., et al. (2017). Using Realistic Mathematics Education and the DAPIC Problem Solving Process to Enhance Secondary School Students' Mathematical Literacy. *Kasetsart Journal of Social Sciences*, (Online), Vol. 38, Pages. 307-315, Publishing services by Elsevier B.V. (<https://ac.els-cdn.com/>, diakses 20 Januari 2018).
- Surya, E., and 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*, (Online), Vol. 10, No. 8, Pages. 12-20, (<http://www.ccsenet.org/journal/index.php/ies/article/viewfile/62868/3795>, diakses 17 Januari 2018).
- Surya, E., Syahputra, E., and Juniaty, N. (2018). Effect of Problem Based Learning Toward Mathematical Communication Ability and Self-Regulated Learning. *Journal of Education and Practice*, (Online), Vol.9, No.6, Pages. 14-23, (<https://www.researchgate.net/publication/323509341>, diakses 23 Juli 2018).
- Syahputra, E. (2016). *Statistika Terapan*. Medan: Unimed Press.

- Trianto. (2010). *Mendesain Model Pembelajaran Inovatif-Progresif: Konsep, Landasan, dan Implementasinya pada Kurikulum Tingkat Satuan Pendidikan (KTSP)*. Jakarta: Kencana Prenada Media Group.
- Usman, H., dan Akbar, P. S. (2006). *Pengantar Statistika*. Yogyakarta: Bumi Aksara.
- Vettleson Jr. (2010). Problem Solving Based Instruction in the High School Mathematics Classroom. *Bemidji, Minnesota, USA*, (Online), (<http://faculty.bemidjistate.edu/grichgels/MastersPapers/VettlesonLawrence.pdf>, diakses 23 Januari 2018).
- Wade, C., dan Tavris, C. (2008). *Psikologi Jilid 2*. Edisi Kesembilan. Terjemahan Oleh: Mursalin, P., dan Dinastuti. 2008. Jakarta : Erlangga.
- Wahyu, E., Sahyar, and Ginting, E. (2017). The Effect of Problem Based Learning (PBL) Model toward Student's Critical Thinking and Problem Solving Ability in Senior High School. *American Journal of Educational Research*, ©Science and Education Publishing, (Online), Vol. 5, No. 6, Pages. 633-638, (<http://pubs.sciepub.com/educa/>, diakses 27 April 2018).
- Woolfolk, A. Tanpa tahun. *Educational Psychology Active Learning Edition* Bagian Pertama. Terjemahan Oleh : Soetjipto. 2009. Yogyakarta : Pustaka Pelajar.
- _____. Tanpa tahun. *Educational Psychology Active Learning Edition* Bagian Kedua. Terjemahan Oleh : Soetjipto. 2009. Yogyakarta : Pustaka Pelajar.
- Yamin, M. 2013. *Strategi dan Metode dalam Model Pembelajaran*. Jakarta: GP Press Group.
- Yukselturk, E., and Bulut, S. (2009). Gender Differences in Self-Regulated Online Learning Environment. *Educational Technology & Society*, (Online), Vol. 12 , No. 3, Pages. 12–22, (<http://pubs.sciepub.com/education/5/6/7>, diakses 27 April 2018).
- Zimmerman, B. J. (2000). Becoming a self-regulated learner: An Overview. Theory into Practice, (Online), Vol. 41, No. 2, Pages. 64-72. (<https://www.leiderschapsdomeinen.nl/wp-content/uploads/2016/12/Zimmerman-B.-2002-Becoming-Self-Regulated-Learner.pdf>, diakses 12 Januari 2018).
- Zumbrunn, S., dkk. (2011). *Encouraging Self-Regulated Learning in The Classroom: A Review of The Literature*. Virginia Commonwealth University.