

DAFTAR PUSTAKA

- Adnyani, Ni Wayan, Sadia, I.Wayan, Natajaya, I Nyoman (2013). Pengaruh strategi pembelajaran konflik kognitif terhadap penurunan miskonsepsi fisika ditinjau dari gaya kognitif peserta didik kelas x di sma negeri 1 bebandem. *E-Journal Program Pascasarjana Universitas Pendidikan Ganesha*. Program Studi Administrasi Pendidikan Volume 4 tahun 2013, hlm. 1-11
- Aktaş, G.S dan Ünlü, M (2013). Critical thinking skills of teacher candidates of elementary mathematics. *Procedia - Social and Behavioral Sciences* 93 pp. 831 – 835.
- Anggoro, Bambang Sri (2014). Mengembangkan kemampuan berpikir kritis dan disposisi matematis siswa melalui metode pembelajaran improve. Disertasi. SPs Universitas Pendidikan Indonesia. Tidak diterbitkan.
- Arends (2007). *Learning To Teach*. Seventh Edition. McGraw Hill Companies. New York
- Arikunto, Suharsimi (2012). *Dasar dasar evaluasi pendidikan (Edisi 2)*. Jakarta: Bumi Aksara.
- Armianti (2011). *Peningkatan kemampuan penalaran matematis, komunikasi matematis dan kecerdasan emosional mahasiswa melalui pembelajaran berbasis masalah*. Disertasi. SPs Universitas Pendidikan Indonesia. Tidak diterbitkan.
- Azhar, Ervin (2013). *Peningkatan kemampuan pemahaman, penalaran dan komunikasi matematis peserta didik madrasah aliyah dengan pendekatan RME*. Disertasi. SPs Universitas Pendidikan Indonesia. Tidak diterbitkan.
- Bahr, Nan (2010). Thinking Critically about Critical Thinking in Higher Education *International Journal for the Scholarship of Teaching and Learning*. Vol. 4 No. 2, Art. 9, pp 1-16. <http://doi.org/10.20429/ijstl.2010.040209>.
- Baron, J.B ,Sternberg, R.J (1987). *Teaching Thinking skills: Theory and practice*. Series of books in psychology .xi 275 pp. New York, NY, US.
- Baroody, Arthur. J (1993). *Problem solving, reasoning and communicating*.K-8, Helping Children Think Mathematically, New York; MaCSilan Publishing Company
- Barrows (1996). *Problem based learning an approach to medical education*. Volume 1. New York: Springer Publishing Company.
- Baser, Mustafa. (2006). Fostering conceptual change by cognitive conflict based instruction on students' understanding of heat and temperature concepts. *Eurasia Journal of Mathematics, Science and Technology Education*. Volume 2, Number 2, July 2006. ISSN: 1305-8223. pp. 96-114

- Bergeson, Terry (2000). *Teaching and learning mathematics. using research to shift from the “yesterday” mind to the “tomorrow” mind*. State Superintendent of Public Instruction. Washington.
- Bilgin, Ibrahim, Senocak Erdal, Sozbilir, Mustafa (2008). Effects of problem based learning instruction of university student’s performance of conceptual and quantitative problem in gas concepts. *Eurasia Journal Of Matahematics, Science and Technology Education*. 2009 5,2. pp 153-164
- Binson, Bussakorn (2009). Curiosity Based Learning (CBL) program. *US-China Education Review*, 12 (6): pp.13-22.
- Bell (1981). *Teaching and learning mathematics*. Brown Company Publishers
- Bondan, Djamilah (2010). *Analisis implementasi strategi perkuliahan kolaboratif berbasis masalah dalam mengembangkan kemampuan pemecahan masalah matematis, kemampuan komunikasi matematis dan keyakinan terhadap pembelajaran matematika*. Disertasi. SPs Universitas Pendidikan Indonesia. Tidak diterbitkan.
- Brendefur Jonathan, Frykholm, Jeffrey (2000). Promoting mathematical communication in the classroom: two preservice teachers’ conceptions and practices. *Journal of Mathematics Teacher Education* 3 © 2000 Kluwer Academic Publishers. Printed in the Netherlands. hlm.125–153
- Cabrera, G.A. (1992). A Framework for evaluating the teaching of critical thinking. Dalam *R.N Cassel (ed). Education*. 113 (1). pp. 59-63.
- Caesar, Mohd Iqbal Muhammad, Jawawi, Rosmarijah, Matzi, Rohani, Shahrill, Masitah, Jaidin Jainatul Halida & Mundia, Lawrence (2016). The benefits of adopting a problem based learning approach on students’ learning developments in secondary geography lesssons. *International Education Studies*, Vol.9, No.2, ISSN 1913-9020, E-ISSN 1913-9039, pp.51-65. URL: <http://dx.doi.org/10.5539/ies.v9n2p5>
- Camp, Gwendie (1996). Problem based learning: A paradgim shift or passing fad? *Medical Education Online*, pp. 1-5
- Carin (1997). *Teaching Modern Science*. New Jersey: Merrill Publishing.
- Cazzola, (2008). Problem based learning and mathematic: Possible Synergical Actions. *ICEER 2008 Proceedings IATED*. ISBN 978-84-612-5091-2. Spain
- Chukwuyenum, Asuai Nelson (2013). Impact of Critical thinking on Performance in Mathematics among Senior Secondary School Students in Lagos State *IOSR Journal of Research & Method in Education (IOSR-JRME) e-ISSN: 2320–7388,p-ISSN: 2320–737X Volume 3, Issue 5 (Nov.–Dec. 2013)*, pp 18-25 www.iosrjournals.org

- Cindy, E dan Hmelo-Silver (2004). Problem based learning :What and how do students learn? *Educational Psychology Review*, Vol.16, No.3. pp 235-266. doi:10.1023/B:EDPR.0000034022.16470.f3
- Creswell, John.W (2010). *Research design. qualitative, quantitative and mixed method approaches*. Third Edition. California. (Terjemahan). Achmad Fawaid.
- Cohen Louis, Manion, Lawrence & Morrison, Keith (2007). *Research methods in education*. Companion Website. Sixth Edition
- Dahlan, Jarnawi Afgani (2012). Implementasi strategi pembelajaran konflik kognitif dalam upaya meningkatkan *high order mathematical thinking* peserta didik. *Jurnal Pendidikan*, Volume 13, Nomor 2, September 2012, hlm. 65-76.
- Demiral, Melek dan Dagyar, Miray (2016). Effects of problem based learning on attitude : A meta-analysis study. *Eurasia Journal of Mathematics, Science & Technology Education*, 12(8), pp. 2115-2137, doi : 10.12973/eurasi.2016.1293a.
- Depdiknas (2006). *Kurikulum 2006 Standar Isi Mata Pelajaran Matematika*. Jakarta: Depdiknas.
- Dreyfus, Amos , Jungwirth, Ehud, Eliovitch, Ronit (1990). *Science education*. Copyright © 1990 Wiley Periodicals, Inc., A Wiley Company Volume 74, Issue 5, pp. 555–569. DOI: 10.1002/sce.3730740506
- Duron, Robert, Limbach, Barbara and Waugh, Wendy (2006). Critical thinking framework for any discipline. *International Journal of Teaching and Learning in Higher Education* Vol. 17: pp. 160-166
- Elaine H.J, Yew and Karen Goh (2016). Problem-based learning: An overview of its process and impact on learning. *Health Professions Education*. 2 (2016) 3–9. <https://doi.org/10.1016/j.hpe.2016.01.003>.
- Ennis, Robert.H (1985). *Goal for a critical thinking curriculum*. In A.L. Costa (ed). *A developing Minds. A resource book for teaching thinking*. ASCD. Virginia. USA
- Ennis, Robert.H (1993). Critical thinking assesment. *Theory and Practice*, Volume 32, Number 3, Summer 1993. Copyright 1993 College of Education. The Ohio State University
- Ennis, Robert.H (1987). *Critical thinking*, United States of America: Prentice-Hall Inc.
- Fachrurozi (2011) Penerapan Pembelajaran Berbasis Masalah Untuk Meningkatkan kemampuan Berpikir Kritis dan Komunikasi Matematis Peserta didik Sekolah Dasar. *Edisi Khusus*. ISSN 1412-565X

- Facione, Peter A (2011). *Critical Thinking: What It is and Why it Counts. Think_Critically*, Pearson Education.
- Facione, Peter A dan Facione, Noreen C. (1994). *Holistic Critical Thinking Scoring Rubric*. The California Academic Press. 217 La Cruz Ave., Millbrae, CA 94030.
- Fauzan, Achmad (2002). *Applying realistic mathematics education (RME) in teaching geometry in indonesian primary schools*. Thesis P.hD. Twente.
- Firdaus, Kailani.I, Md. Nor Bin Bakar, Bakry. (2015). Developing critical thinking skills of students in mathematics learning. *Journal of Education and Learning*. Vol. 9(3) pp. 226-236.
- Fisher. Alex (2008). *Berpikir kritis sebuah pengantar*. Jakarta: Erlangga.
- Fisher, Alec (2001). *Critical thinking. an introduction*. Cambridge University Press
- Freitas, Elizabeth De (2012). What were you thinking? a deleuzian/guattarian analysis of communication in the mathematics classroom. *Educational Philosophy and Theory*, 2012, pp 1-21
- Hake, Richard. R (1998). Interactive-engagement versus traditional methods: A six-thousand-student survey of mechanics test data for introductory physics courses. *Journal of American Association of Physics Teachers*. Vol. 66, No.1, 64 -74.
- Hake, Richard.R (1999). *Analyzing change/gain Scores*. American Educational Research Association's Division D, Measurement and Research Methodology.
- Hawa, Liberna (2012). Peningkatan kemampuan berpikir kritis matematis peserta didik melalui penggunaan metode improve pada materi sistem persamaan linear dua variabel. *Jurnal Formatif 2(3)*: 190-197 ISSN: 2088-351X
- Herman, Tatang. (2007). Pembelajaran berbasis masalah untuk meningkatkan kemampuan berpikir matematis tingkat tinggi peserta didik sekolah menengah pertama. Dipublikasikan pada *Jurnal Educationist*. No. I Vol. I Januari 2007 ISSN : 1907 – 8838, pp 47-56
- Hidayat, Rachmat. (2010). *Pembelajaran Kontekstual dengan strategi REACT dalam Upaya Mengembangkan Kemampuan Pemecahan Masalah, Berpikir Kritis, dan Berpikir Kreatif matematis Mahasiswa Bidang Bisnis*. Disertasi pada Sekolah Pascasarjana Universitas Pendidikan Indonesia. Disertasi tidak diterbitkan.
- Hollingsworth, John, Ybarra, Silvia (2013). *Explicit direct instruction for english learners*. A Joint Publication, Corwin, Data Works. USA
- Iji, C.O , Emiakwu, S.O, Utubaku, R.U(2015) Effect of problem based learning on senior secondary school students achievement in Trigonometry in

- Northern Educational Zone of Cross River State, Nigeria. *IOSR Journal of Mathematics (IOSR-JM)*. e-ISSN: 2278-5728, p-ISSN:2319-765X, Volume 11, Issue 1 ver.V (Jan-Feb 2015), pp 16-25
- Ikman , Hasnawati, Rezky, M.F (2016). Effect of problem based learning (pbl) models of critical thinking ability students on the early mathematics ability. *International Journal of Education and Research*. Vol. 4 No. 7 July 2016. pp 361-374
- Innabi, Hannan. (2003). Aspects of critical thinking in classroom instruction of secondary school mathematics teachers in Jordan. [Online] Tersedia: <http://dipmat.math.unipa.it/pdf>. Diakses: 14 Desember 2015
- Ismaimuza, Dasa. (2010). *Kemampuan berpikir kritis dan kreatif matematis peserta didik SMP melalui pembelajaran berbasis masalah dengan strategi konflik kognitif*. Disertasi pada PPs UPI. Bandung: Tidak Diterbitkan.
- Ismawati,F, Nugroho, S.E, Dwijananti, P (2014). Penerapan model pembelajaran conceptual understanding procedures untuk meningkatkan curiosity matematis dan pemahaman konsep peserta didik. *Jurnal Pendidikan Fisika Indonesia* 10 (2014).P-ISSN 1693-1246, e-ISSN 2355-3812, hlm.22-27. DOI: 10.15294/jpfi.v10il.3047
- Izzati, Nur. (2010). Komunikasi Matematik Dan Pendidikan Matematika. Realistik. *Prosiding Seminar Nasional Matematika dan Pendidikan Matematika, Yogyakarta, UNY, 27 Nov 2010, ISBN : 978-979-16353-5-6*.
- Johnson, Elaine.B. (2007). *Contextual teaching and learning: menjadikan kegiatan belajar- mengajar menyenangkan dan bermakna*. (diterjemahkan oleh A. Chaedar Alwasilah), Bandung: Mizan Learning Center.
- Jonassen, David (2011). Supporting problem solving in PBL. *Interdisciplinary Journal of Problem-Based Learning (IJPBL)*. Volume 5-Issue 2. University of Missouri.
- Joyce, Bruce, Weil, Marsha, Calhoun (2009) *Models of teaching*. Pearson Education. Alihbahasa. Pustaka Pelajar (Eighth Edition)
- Kadir dan Parman (2013). Mathematical communication skills of junior secondary school students in coastal area. *Jurnal Teknologi*. Vol. 63 No.2 : 77–83. Penerbit UTM Press
- Krulik, Stephen. and Rudnick, Jesse.A. (1995). *The new sourcebook for teaching reasoning and problem solving in elementary school*. Needham Heights: Allyn dan Bacon.
- Lang, Helmut R & David N. Evans (2006). *Model, strategies and Methods for Effective Teaching*. America. Pearson Education
- Lee, Gyoungho, Kwon, Park, Jaesool, Sang-Suk, Kim, Jung-Whan, Kwon, Hyeok-Gu, Park, Hac-Kyoo (2003). Development of an Instrument for

- Measuring Cognitive Conflict in Secondary-Level Science Classes. *Journal of Research In Science Teaching* Vol. 40, No. 6, pp. 585–603. DOI 10.1002/tea.10099.
- Lim, Chap Sam & Chew, Cheng Meng(2007). Mathematical Communication in Malaysian Bilingual Classrooms. International Conference: Innovation of Classroom Teaching and Learning Through Lesson Study- Focusing On Mathematical Communication. Tokyo and Kanazawa, Japan.
- Lipman, Matthew. (2003). *Thinking in education*. New York: Cambridge University Press
- Lunenburg, Fred.C (2011). Critical thinking and constructivism techniques for improving student achievement. *National Forum Of Teacher Education Journal* volume 21, number 3.
- Madu, B.C and Orji, Emma (2015). Effects of Cognitive Conflict Instructional Strategy on Students' Conceptual Change in Temperature and Heat. *Sage Open*.pp.1–9. DOI: 10.1177/2158244015594662
- Mahmudi, Ali (2006). Pengembangan kemampuan komunikasi matematika peserta didik melalui pembelajaran matematika. Dipresentasikan dalam *Seminar Nasional Matematika dan Pendidikan Matematika* dengan tema “ Trend Penelitian dan Pembelajaran Matematika di Era ICT “ yang diselenggarakan pada tanggal 24 Nopember 2006
- Manguel, Alberto (2015). *Curiosity*.Yale College. ISBN 978-0-300-18478-5
- Marzano, Robert.J , Brandt, Ronald.S, Hughes, Carolyn Sue, Jones, Beau,Fly Presseisein, Barbara.Z, Rankin, Stuart.C , Suhor, Charles(1988). *Dimensions of thinkings. a framework for curriculum and instruction*. Virginia. ASCD
- Masek, Alias and Yamin, Sulaiman (2011).The Effect of Problem Based Learning on Critical Thinking Ability: A *Theoretical and Empirical Review*. *International Review of Social Sciences and Humanities* Vol.2, No.1 (2011), pp. 215-221.ISSN 2248-9010 (Online), ISSN 2250-0715 (Print).
- Maulana (2016). *Implementasi Pembelajaran Berbasis Masalah berstrategi “Murder” untuk meningkatkan kemampuan dan disposisi berpikir kritis, kreatif,dan investigatif matematis mahasiswa PGSD*. Disertasi pada PPs UPI. Bandung: Tidak Diterbitkan
- Meltzer, 2002. The relationship between mathematics preparation and conceptual learning gains in physics: A possible “hidden variable” in diagnostic pretest scores. *Am. J. Phys.*, Vol. 70, No. 12, December 2002. American Association of Physics Teachers.
- Mulyana, Deddy (2007). *Ilmu komunikasi. Suatu Pengantar*. Bandung. PT. Remaja Rosdakarya (Edisi revisi).

- M.Y.C.A. Kek and H. Huijser (2011). The power of problem-based learning in developing critical thinking skills: Preparing students for tomorrow's digital futures in today's classrooms. *Higher Education Research & Development*. Vol.30, No.3, June 2011, pp.329-341
- Nilsson, Per & Ryve, Andreas (2010). Focal event, contextualization, and ineffective communication in the mathematics classroom. *Educ Stud Math* (2010) 74: pp. 241–258
- Noer, H, Sri (2010). *Peningkatan kemampuan berpikir kritis, kreatif dan reflektif (k2r) matematis peserta didik SMP melalui pembelajaran berbasis masalah*. Disertasi pada Sekolah Pascasarjana Universitas Pendidikan Indonesia. Disertasi tidak diterbitkan.
- NCTM. (1989). *Curriculum and evaluation standards for school mathematics*. Reston, VA: NCTM.
- NCTM. (2000). *Principles and standards for school mathematics*. USA: The National Councils of Teachers of Mathematics.
- Norman, G.R dan Schmidt, H.G (1992). The psychological basis of problem based learning : a review of the evidence. *Special Article*. Volume 67, Number 9. pp 557-565
- Onosko, J. J, & Newmann, F. M. (1994). Creating more thoughtful learning environment in Mangieri, J. & Blocks, C. C. (Eds.). *Creating powerful thinking in teachers and students: Diverse Perspectives*. Forth Worth: Harcourt Brace College Publishers.
- Orey (2010). *Emerging perspectives on learning, teaching, and technology*. Switzerland. Global Text Project
- Orhan, O dan Rohun Ö. T (2006). *The Effects of problem-based active learning in science education on students' academic achievement, attitude, and concept learning*. Marmara University. Istanbul. Turkey.
- Padmavathy, R.D and Mareesh, K (2013). Effectiveness of Problem Based Learning In Mathematics. *International Multidisciplinary e-Journal* Vol-II, Issue-I, ISSN 2277 – 4262. pp.45-51.
- Peggy A.E, Krista DS (2000-2005). *Scaffolding teachers' efforts to implement problem-based learning*. Purdue University.
- Peter, Ebiendele, Ebosele (2012). Critical thinking: Essence for teaching mathematics and mathematics problem solving skills. *African Journal of Mathematics and Computer Science Research* Vol. 5(3), pp. 39-43. ISSN 2006-9731. DOI: 10.5897/AJMCSR11.161
- Plano, Clark & Creswell, John. H (2014). *Understanding research : a consumer's guide second edition*. USA: Pearson Education.Inc.

- Pratiwi, Dona Dinda, Sujadi, Imam, Pangadi (2013). *Kemampuan komunikasi matematis dalam berpikir kritis matematika sesuai dengan gaya kognitif pada peserta didik kelas ix smp negeri 1 surakarta tahun pelajaran 2012/2013*. Makalah tidak dipublikasikan.
- Qing Wang, Huiping Li, Weiguo Pang, Shuo Liang, and Yiliang Su (2016). Developing an integrated framework of problem-based learning and coaching psychology for medical education: a participatory research. *BMC Medical Education*. Vols. 16,2. doi: 10.1186/s12909-015-0516-x
- Rahman, A.R. Yusof, Y.M , Kashefi, H, Baharun, S. (2012). Developing mathematical communication skills of engineering students. *Procedia - Social and Behavioral Sciences*. pp. 5541 – 5547
- Reio TG Jr1, Petrosko JM, Wiswell AK and Thongsukmag J.(2006). The measurement and conceptualization of curiosity.The Journal of Genetic Psychology Research and Theory on Human Development Volume 167, 2006 - Issue 2. DOI: 10.3200/GNTP.167.2.117-135
- R.D. Padvamaty, Mareesh, K (2013). Effectiveness of problem based learning in mathematics. *International Multidisiplinary e-Journal*. ISSN 2277-4262. Vol-II, Issue-1-2013, pp. 45-51
- Roberton (2001). *Problem solving*. Psychology Press Ltd. Taylor and Francis Group. University of Luton. UK
- Rohana (2015). *Peningkatan kemampuan penalaran dan komunikasi matematis, serta karakter mahasiswa calon guru melalui pembelajaran reflektif*. Disertasi. SPs Universitas Pendidikan Indonesia.Tidak Diterbitkan
- Roselainy Abdul Rahman , Yudariah Mohammad Yusof , Hamidreza Kashefi, Sabariah Baharun (2012). Developing mathematical communication skills of engineering students. *Procedia - Social and Behavioral Sciences* 46 5541 – 5547. Pp. 5541-5547. <http://doi: 10.1016/j.sbspro.2012.06.472>
- Rusman (2013). *Model-model pembelajaran. mengembangkan profesional- isme guru*. RajaGrafindo. Jakarta
- Rusmono. (2014). *Strategi pembelajaran dengan problem based learning itu perlu*. Ghalia Indonesia Jakarta.
- Sabandar, J, Sugiman, Kusumah, Y.S, (2008). *Berpikir kritis matematik dalam matematika realistik*. Tersedia [Online] pada web: http://staff.uny.ac.id/sites/default/files/131930135/2009a_PM_dalam_PMR.pdf (diunduh tanggal 2-11- 2014)
- Sabandar, Jozua. (2007). *Berpikir Reflektif. Makalah disampaikan pada Seminar Nasional Sehari: Permasalahan Matematika dan Pendidikan Matematika Terkini* tanggal 8 Desember 2007, UPI Bandung: Tidak diterbitkan.

- Sabirin (2011). *Pengaruh pembelajaran berbasis masalah terhadap kemampuan pemecahan masalah, komunikasi dan representasi matematis peserta didik SMP*. Disertasi. SPs Universitas Pendidikan Indonesia. Tidak Diterbitkan
- Santoso, Fansiscus Gatot Iman (2011). Mengasah kemampuan berpikir kreatif dan rasa ingin tahu melalui pembelajaran matematika dengan berbasis masalah (Suatu Kajian Teoritis) *Prosiding Seminar Nasional Matematika dan Pendidikan Matematika Jurusan Pendidikan Matematika FMIPA.UNY*. ISBN :978 -979 -16353-6 - 3 .
- Santrock , John.W(2012) *Life-span development*. Edisi ke-13. Diterjemahkan oleh Benedictine Widyasinta. Perkembangan Masa Hidup. Erlangga dan Power Macro.
- Santrock, John.W. (1997). *Adolescence*. London: Mc-Graw-Hill, Inc.
- Savery, John. R (2006). Overview of problem based learning: definition and distinctions. *Interdisciplinary Journal of Problem Based Learning (IJPBL)*. Volume 1, Issue 1. Doi: 10.7771/1541-5015.1002
- Siegel, Harvey (2003). Critical thinking. *International Encyclopedia of Education* (2010), vol. 6, p.141-145
- Shannon, Claude.E and Weaver, W (1949). *The mathematical theory of communication*. University of Illionis Press. Urbana and Chicago
- Shannon, Claude.E (1948). A mathematical theory of communication. Reprinted with corrections from *The Bell System Technical Journal*, Vol. 27, pp. 379-423, 623-656.
- Sheryl, Macmath, Wallace, John, Chi, Xiahong.(2009). Problem based learning in mathematics. *The Literacy and Numeracy Secretariat*. Toronto.
- Shonstrom, Erik. (2014), *how can we foster curiosity matematis in the class-room?*. Diakses pada http://www.edweek.org/ew/articles/2014/06/04_/33shons_trom.h33.html tanggal 12 Juni 2016
- Siegel, H (2010). Critical Thinking. *International Encyplopedia of Education*, vol 6, pp.141-145
- Shipton (2009), Problem based learning : Does it provide appropriate levels of guidance and flexibility for use in police recruit education. *Journal of Learning Design*. Vol.3 No.1, pp 57-67.
- Sockalingam & Schmidt (2011). Characteristics of problems for problem-based learning: the students' perspective. *International Journal of Problem Based Learning (IJBL)*.Volume 5.Issue 1
- Soeyono, Yandri. (2013). Mengasah kemampuan berpikir kritis dan kreatif siswa melalui bahan ajar matematika dengan pendekatan open-ended. *Prosiding Seminar Nasional Matematika dan Pendidikan Matematika UNY*.

- Somakim (2010). *Peningkatan kemampuan berpikir kritis dan self-efficacy matematik peserta didik sekolah menengah pertama dengan penggunaan pendekatan matematika realistik*. Disertasi pada Sekolah Pascasarjana Universitas Pendidikan Indonesia. Disertasi tidak diterbitkan.
- Sugiyanta (2008). *Pendekatan Konflik Kognitif dalam Pembelajaran Fisika*. Yogyakarta: Widyaiswara LPMP DIY.
- Sugiyono (2011). *Metode penelitian pendidikan (pendekatan kuantitatif, kualitatif, dan R&D)*. Bandung: Alfabeta.
- Suhadak, Muhammad. (2014). Keefektifan metode inkuiri dalam pembelajaran sistem persamaan linear dua variabel ditinjau dari prestasi dan *curiosity*. *Indonesian Digital Journal of Mathematics and Education*. Volume I Edisi 1 2014 <http://idealmathedu.p4tkmate-matika.org>. ISSN 2407-7925
- Sukariasih, Luh (2016). The use of cognitive conflict strategy to reduce student misconceptions on the subject matter of rectilinear motion. *International Journal of Education and Research*. Vol. 4 No. 7 July 2016. ISSN: 2411-5681. pp 483-492
- Soekisno, Bambang Ariyan, Kusumah, Yaya. A, Sabandar, Jozua, Darhim (2015) Using Problem-Based Learning to Improve College Students' Mathematical Argumentation Skill. *International Journal of Contemporary Educational Research* Volume 2, Number 2, pp. 118-129 ISSN: 2148-3868
- Sulthani. (2012). Kemampuan komunikasi matematis peserta didik kelas unggulan dan peserta didik kelas reguler kelas x sma panjura malang pada materi logika matematika. Journal online. <http://jurnal-online.um.ac.id/article/do/detail-article/1/32/1024>. Vol.1, No.1 (2012). (Diunduh 2 Juni 2015)
- Sumarmo, Utari (2013). *Kumpulan Makalah: Berpikir dan Disposisi Matematik Serta Pembelajarannya*. Bandung: FPMIPA UPI.
- Suparno, Paul (2006). *Filsafat konstruktivisme dalam pendidikan*. Yogyakarta :Kanisius
- Surya (2015). *Strategi kognitif dalam proses pembelajaran*. Alfabeta Bandung.
- Sweller, John, Kirschner, Paul. A, & Clark, Richard. E (2013). Why minimal guidance during instruction does not work: an analysis of the failure of constructivist, discovery, problem based, experientel, and inquiry-based teaching. *Educational Psychologist*, 41(2), 75-86
- Thompson, Claudette (2011). Critical thinking across the curriculum: Process over Output. *International Journal of Humanities and Social Science Vol. 1 No. 9 [Special Issue – July 2011]*. pp 1-7
- Wahyudin (2008). *Pembelajaran & model-model pembelajaran pelengkap untuk meningkatkan kompetensi pedagogis para guru dan calon guru profesional* UPI Bandung

- Wahyuningrum, Endang dan Suryadi, Didi (2014). Assosiation of mathematical communication and problem solving abilities: implementation of meas strategy in junior high school. *SAINSAB*. Vol.17, 2014, pp 38-50.
- Warpala, I Wayan Sukra (2009). *Pendekatan pembelajaran konvensional*. Tersedia [Online] pada web: <http://edukasi.kompasiana.com/2009/12/20/pendekatan-pembelajaran-konvensional/>.
- Watson. (2002). *Creating cognitive conflict in a controlled research setting: Sampling*. Tersedia [online] pada web: http://www.stat.auckland.ac.nz/~iase/publications/1/6a1_wats.pdf.
- Woolfolk, Anita (1984). *Eductional phsycology for teachers*. New Jersey: Prentice-Hall.Inc
- Yeats, William Butler (2005). *Critical thinking competency standards: A guide for educators*. In A Guide For Educators To Critical Thinking Competency. Fondation for Critical Thinking
- Yeo, Kai Kow Joseph (2004). *Secondary 2 students' difficulties in solving non-routine problem*. National Institute of Education of Nanyang Technological University.
- Yih Chyn, A.Ke and Huijser (2011). The power of problem-based learning in developing critical thinking skills: preparing students for tomorrow's . digital futures in today's classrooms. *Higher Education Research and Development*, 30 (3). pp. 329-341. ISSN 0729-4360. <http://dx.doi.org/10.1080/7294360.2010.50107>.
- Zabit, M.N.M (2010). Problem based learning on students critical thinking skills in teaching business education in Malaysia; A literature review. *American Journal of Business*, Volume 3, Number 6, pp 19-31
- Zetriuslita, Rezi Ariawan & Hayatun Nufus. (2016). *Analisis kemampuan berpikir kritis matematis mahasiswa dalam menyelesaikan soal uraian kalkulus integral berdasarkan level kemampuan akademik*. *Jurnal Infinity*. ISSN: 2089-6867, Volume 5, Nomor 1, Februari 2016. *Jurnal Ilmiah Program Studi Pendidikan Matematika STKIP Siliwangi Bandung*.
- Zetriuslita, Rezi Ariawan & Hayatun Nufus. (2016). Student's critical thinking ability: description based on academic level and gender. *Journal of Education and Practice*. University of North Carolina at Charlotte, United States. ISSN 2222-1735 (Paper), ISSN 2222-288X (Online). Vol. 7 No. 12 2016.
- Zetriuslita, Rezi Ariawan & Hayatun Nufus. (2015). Profile ability think critically students in completing mathematical problems based on the level of academic ability. *Proceeding The International Conference on Mathematics Science, Education, and Technology (ICOMSET)*. Faculty of Mathematics and Science, State University of Padang, Indonesia. ISBN. 978-602-19877-3-5.

Zetriuslita, 2017

PENINGKATAN KEMAMPUAN BERPIKIR KRITIS, KOMUNIKASI MATEMATIS DAN CURIOSITY MATEMATIS MAHASISWA MELALUI PEMBELAJARAN BERBASIS MASALAH DENGAN COGNITIVE CONFLICT STRATEGY

Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- Zetriuslita, Rezi Ariawan & Hayatun Nufus (2014) Profil kemampuan berpikir kritis mahasiswa dalam menyelesaikan masalah matematika berdasarkan tingkat kemampuan akademik. *Laporan Hibah Fundamental Tahun Pertama*. Lembaga Penelitian dan Pengabdian pada Masyarakat. Direktorat Jenderal Pendidikan Tinggi. Tidak dipublikasikan
- Zetriuslita (2014) Profil sikap ilmiah rasa ingin tahu (*curiosity*) matematis mahasiswa. *Jurnal Ilmu Pendidikan STKIP Kesuma Negara*. ISSN 2085-7144. Volume 08 No.1, hlm 41-46
- Zetriuslita, Rezi Ariawan (2017). Practicality teaching material based the problem based learningto improve the mathematical critical thinking ability (based on academic level ability). *International Journal of Education and Research* Vol. 5 No. 2 February 2017.pp 207-214.
- Zetriuslita, Rezi Ariawan (2017). The effectiveness of problem-based learning materials in improving students' mathematical critical thinking skills : a study in calculus course. *International Conference Proceedings EHSSS-17*. Singapore. ISBN: 978-81-933894-0-9. pp 51-53
- Zulkarnain, I (2013). *Kemampuan pemahaman dan komunikasi matematis dalam pembelajaran kooperatif berbasis konflik kognitif*. Disertasi pada Sekolah Pascasarjana Universitas Pendidikan Indonesia. Disertasi tidak diterbitkan

