

DAFTAR PUSTAKA

- Abdul Kani, N. H. & Shahrill, M. (2015). Applying the Thinking Aloud Pair Problem Solving Strategy in Mathematics Lessons. *Asian Journal of Management Sciences & Education* Vol. 4(2) April 2015
- Abdurrahman, M. (1999). *Pendidikan Bagi Anak Berkesulitan Belajar*. Jakarta: Rineka Cipta
- Arnika, A.D. & Kusrini (2015). Penerapan Model Pembelajaran Langsung (*direct instruction*) dengan Metode Kumon pada Materi Persamaan Lingkaran di SMAN-1 Krian. ejurnal.unesa.ac.id/article/9904/30/article.pdf
- Azwar, S. (2013). *Skala Pengukuran Psikologi*. Yogyakarta: Pustaka Belajar
- Badan Standar Nasional Pendidikan (BSNP), (2006) *Model Penilaian Kelas*, Jakarta: Depdiknas.
- Blakey, E., & Spence, S. (1990). *Developing metacognition*. Eric Reproduction Services No. ED327218. Retrieved from <http://www.eric.ed.gov/PDFS/ED327218.pdf>
- Boekaerts, M., & Simons, P. R. (1995). *Leren en instructie: Psychologie van de leerling en het leerproses*. Assen: Van Gorcum.
- Butler, D. L., & Winne, P. H. (1995). Feedback and self-regulated learning: A theoretical synthesis. *Review of Educational Research*, 65(3), 245-28
- Camp, B. W., Blom, G. E., Hebert, F., & Van Doorninck, W. J. (1977). "Think Aloud": A program for developing self-control in young aggressive boys. *Journal of Abnormal Child Psychology*, 5(2), 157-169.
- Campione, J.C.; Brown, A.L. and Connell, M.L. (1989). Metacognition: On the importance of understanding what you are doing. In Charles, R.I. and Silver, E.A. (Eds.). *The teaching and assessing of mathematical problem solving*, Vol. 3. (pp. 93-114). Reston, VA: The National Council of Teachers of Mathematics.
- Creswell, J.W. (2009). *Research Design; Qualitative, Quantitative, and Mixed Methods Approaches*. USA:Sage Publisher
- de Corte, E. (1996). Instructional psychology: Overview. In E. de Corte & E. Weinert (Eds.), *International encyclopedia of developmental and instructional psychology* (pp. 33-43). Oxford: Elsevier Science. XX PP
- Diaz, R. M., Neal, C. J., & Amaya-Williams, M. (1990). The social origins of self- regulation. In L. C. Moll (Ed.), *Vygotsky and education: Instructional* Zubaidah Amir MZ, 2016
KEMAMPUAN MATHEMATICAL PROBLEM SOLVING DAN ADVERSITY QUOTIENT SISWA PADA PEMBELAJARAN METAKOGNITIF THINK-ALOUD DALAM SETTING KOOPERATIF THINK-PAIR-SHARE/ SQUARE
Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- implications and applications of sociohistorical psychology* (pp. 127-154). New York: Cambridge University Press.
- Divan, J. & van der Walt, M. (2013). Mathematics Confidence: Reflections On Problem-Solving Experiences. cerme8.metu.edu.tr/wgpapers/WG8/WG8_Jagals.pdf
- Effandi, Z. dkk, (2007). *Trend Pengajaran dan Pembelajaran Matematik*, (Kuala Lumpur: PRIN-AD SDN BHD).
- Fasikhun. (2008). Implementasi Pembelajaran Kelompok Dengan Pendekatan Metakognitif Yang Berbasis Teknologi Dikemas Dalam CD Interaktif Pada Materi Geometri Di MAN Babakan Tegal. Tesis pada PPs Unes Semarang. tidak di terbitkan
- Gartmann, S. & Freiberg, M. (2012). Metacognition and mathematical Problem Solving: helping student to ask The Right Questions. *Jurnal TME Online, vol 6, number 1. by the Mathematics Education Student Association at The University of Georgia. All rights reserved.* <http://math.coe.uga.edu/tme/issues/v06n1/3gartmann.pdf> diakses Oktober 2013
- Ginanjar, A.R. (2001). *Rahasia Sukses Membangun Kecerdasan Emosi dan Spritual ESQ*: Emotional Quotient Berdasarkan Enam Rukun Iman dan Lima Rukun Islam, Jakarta: Arga.
- Gray, E. & Tall, D. (2007). Abstraction as a Natural Process of Mental Compression. *Mathematics Education Research Journal*. 2007. Vol. 19 No. 2 pp: 23-40
- Hossain, Anowar dan Rohani Ahmad Tarmizi. (2013). Effects of cooperative learning on Students' achievement and attitudes in secondary mathematics. *Procedia -Social and Behavioral Sciences* 93 (2013) 473–477. 1877-0428. Published by Elsevier Ltd. Open access under CC BY-NC-ND license. Available online at www.sciencedirect.com http://www.merga.net.au/documents/MERJ_19_2_Gray.pdf. Diakses Tanggal 20 Mei 2008 [http://www.theinternationaljournal.org/ojs/index.php?journal=tij&page=article&op=view&path\[\]](http://www.theinternationaljournal.org/ojs/index.php?journal=tij&page=article&op=view&path[])=1397
- Huitt, William G. (1997). *Metacognition*. Available: <http://tip.psychology.org/meta.html>.
- Isna, N. L., dkk. (2013). Proses Berpikir Kreatif Siswa Kelas X Dalam Memecahkan Masalah Geometri Berdasarkan Tahapan Wallas Ditinjau Dari Adversity Quotient(Aq) Siswa. *Jurnal Pendidikan Matematika Solusi*. Vol.1 No.1 Maret 2013.

- Jacob, C (2003). Mengajar Keterampilan Metakognitif dalam Rangka Upaya Memperbaiki dan Meningkatkan Kemampuan Belajar Matematika. *Jurnal Matematika, Aplikasi, dan Pembelajarannya*. Vol. 2, (1), 17-18. Jurusan Matematika FMIPA Universitas Negeri Jakarta.
- Jacob, C. (2000). *Belajar Bagaimana untuk Belajar Matematika: Suatu Telaah Strategi Belajar Efektif*. Prosiding Seminar Nasional Matematika: Peran Matematika Memasuki Millenium III. ISBN: 979-96152-0-8; 443-447. Jurusan Matematika FMIPA ITS Surabaya, 2 November 2000
- Jacobse, Annemieke E. & Egbert G. Harskamp. (2012). Towards efficient measurement of metacognition in mathematical problem solving. *Metacognition Learning*. 7:133–149 DOI 10.1007/s11409-012-9088-x. Received: 16 June 2011 / Accepted: 25 April 2012 / Published online: 26 May 2012 # The Author(s) 2012. This article is published with open access at Springerlink.com
- John W. Santrock. (2007). Psikologi Pendidikan. Jakarta: PT. Kencana Prenada Media Grup.
- Kadir dan Nur. (2000). Pengajaran Langsung. Unesa Surabaya
- Kadir, dkk., *Algoritma Jurnal Matematika dan Pendidikan Matematika*, (Jakarta: IAIN Indonesia Social Equity Project (IISEP), 2006), h. 82.
- Kaur, Berinderjeet, Har, Yeap Ban, and Kapur Mau. (2009). *Mathematical Problem Solving*. Year Book 2009. Association of Mathematics Educators. Singapura: World Scientific Publishing Co.Ptc.Ltd.
- Kramarski, B. [Mevarech](#), Z.R., [Arami](#), M. (2002). The Effects of Metacognitive Instruction on Solving Mathematical Authentic Tasks. *Educational Studies in mathematics*. February 2002, Volume 49, [Issue 2](#), pp 225–250. <http://link.springer.com/article/10.1023/A:1016282811724>
- Kusumawati, N. (2009). *Peningkatan Kemampuan Pemecahan Masalah Matematis Siswa Smp Melalui Pendekatan Pendidikan Matematika Realistik*. Proseding seminar Nasional Pendidikan Matematika FMIPA UNY Yogyakarta. ISBN : 978-979-16353-3-2, P.34, Hal.484
- Leikin, Rozaand Orit Zaslavsky. (1999). Cooperative Learning In Mathematics. Source: *The Mathematics Teacher*, Vol. 92, No. 3 (MARCH 1999), pp. 240-24. Published by: National Council of Teachers of Mathematics Stable URL: <http://www.jstor.org/stable/27970923>
- Lie, Anita, (2007). *Cooperative Learning*, Jakarta, Grasindo.
- Lioe, L.T., Fai, H. K., Hedberg, J.G. (2006). *Thinker-Listener Pair Interactions to Develop Student's Metacognitive Strategies for Mathematical Problem Solving*, Nanyang Technology University, Singapore.

Zubaidah Amir MZ, 2016

KEMAMPUAN MATHEMATICAL PROBLEM SOLVING DAN ADVERSITY QUOTIENT SISWA PADA PEMBELAJARAN METAKOGNITIF THINK-ALOUD DALAM SETTING KOOPERATIF THINK-PAIR-SHARE/ SQUARE

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

[https://repository.nie.edu.sg/bitstream/10497/2927/1/CRP1_04JH_Conf05_\(ICMI\)_LioeHoHedberg.pdf](https://repository.nie.edu.sg/bitstream/10497/2927/1/CRP1_04JH_Conf05_(ICMI)_LioeHoHedberg.pdf)

- Matore, Mohd Effendi Ewan Mohd; Ahmad Zamri Khairani& Nordin Abd Razak. (2015). The Influence of AQ on the Academic Achievement among Malaysian Polytechnic Students. *International Education Studies; Vol. 8, No. 6; 2015 ISSN 1913-9020 E-ISSN 1913-9039* Published by Canadian Center of Science and Education.
- MKPBM UPI (2001). *Common Textbook*. Strategi Pembelajaran Matematika Kontemporer. Bandung: JICA UPI Bandung
- Muhamed, Mohini. (2008). *The Role of Metacognitives Behavior In Solving Mathematics Problem*. Pusat Pengurusan Penyelidikan Universiti Teknologi Malaysia.
- Muijs, D., & Reynolds, D. (2005). *Effective teaching: Evidence and practice* (2nd ed.). London: Sage Publications.
- NCTM (2000). *Principles and Standards for Shcool Mathematis*, Reston, Virginia: NCTM
- _____. (1989). Curriculum and Evaluation Standars For Scool Mathematics. Sevent Printng. Reston, Virginia: NCTM
- Nikam, Vibhavari B. dan Uplane Megha M. (2013). Adversity Quotient and Defense Mechanism of Secondary School Student. Universal Journal of Educational Research 1(4): 303-308, 2013 DOI: 10.13189/ujer.2013.010405<http://www.hrupub.org>
- Nindiasari, H. (2011). *Pengembangan Bahan ajar dan Instrumen untuk meningkatkan Berpikir Reflektif Matematis Berbasis Pendekatan Metakognitif pada siswa Sekolah Menengah Atas (SMA)*. Prosiding seminar Nasional Matematika dan Pendidikan Matematika Yogyakarta.
- Noornia, A. (2013). Pembelajaran Metakognitif Dalam *Setting Kooperatif Untuk Menumbuhkan Self-Regulated Learning Dan Meningkatkan Kemampuan Berpikir Kritis Serta Problem Solving Matematika*. Disertasi di UPI.
- Nur, M. 2000. *Strategi-Strategi Belajar*. Surabaya: Pusat Studi Matematika dan IPA Sekolah
- Nurhayati dan Noram Fajrianti. (2013). Pengaruh Adversity Quotient (AQ) dan Motivasi Berprestasi terhadap Prestasi Belajar Matematika. *Jurnal Formatif* 3(1): 72-77 issn: 2088-351x

- Nurudin, M., Mara, M.N, Kusnandar, D. (2014). Ukuran Sampel Dan Distribusi Sampling Dari Beberapa Variabel Random Kontinu. *Buletin Ilmiah Mat. Stat. dan Terapannya (Bimaster)* Volume 03 , No.1 (2014), hal 1- 6
- Pangma, Rachapoom; Sombat Tayraukham, dan Sombat Tayraukham. (2009). Causal Factors Influencing Adversity Quotient of Twelfth Grade and Third-Year Vocational Students. *Journal of Social Sciences* 5 (4): 466-470, ISSN 1549-3652. Science Publications
- Pannaoura, Areti dan Philippou, George. (2005). The measurement of Young Pupils' Metacognitive Ability In Mathematics : Case of Self-Representation and Self-Evaluation. *Proceding The CERME 4 Congress was held in Sant Feliu de Guíxols, Spain, 17 - 21 February 2005.* A. www.mathematik.uni-dortmund.de/~erme/CERME4/CERME4_WG2.pdf diakses Oktober 2013.
- Papaleontiou-Louca, E. (2003). The concept and instruction of metacognition. *Teacher Development*, 7(1), 930
- Paris, S. G., & Winograd, P. (1990). How metacognition can promote academic learning and instruction. In B.F. Jones & L. Idol (Eds.), *Dimensions of thinking and cognitive instruction* (pp. 15-51). Hillsdale, NJ:Lawrence Erlbaum Associates.
- Parvathy, Usha and Praseeda M. (2014). Relationship between Adversity Quotient and Academic Problems among Student Teachers . *IOSR Journal Of Humanities And Social Science (IOSR-JHSS) Volume 19, Issue 11, Ver. VII (Nov. 2014), PP 23-26 e-ISSN: 2279-0837, p-ISSN: 2279-0845.* www.iosrjournals.org
- Peraturan Menteri Pendidikan Nasional Nomor 22 Tahun 2006. (2006). Depdiknas RI.
- Phoolka, S.K. (2012) Adversity Quotient: A new paradigm in Management to explore. *The International Journal Research adn Publication's. Research Journal of Sicial Scince and Management. Vol 2, No 7: 01 November 2012* ISSN : 2251-1571
- Polya, G. (1973). *How to Solve It. A New Aspect of Mathematical Method.* Second Edition. New Jersey: Princeton University Press.
- Purnomo, D. (2013). *Proses Metakognisi dan Pembentukan Konsep Dalam matematika.* Malang. IKIP Budi Utomo Malang.
- Rahman, S.A. (2014). Kemampuan Pemecahan Masalah Matematis dan Adversity Quotient siswa SMP dengan pendekatan *Opeen Ended*. Proseding Seminar Nasional Pendidikan Matematika. Uninus Bandung.

Zubaiddah Amir MZ, 2016

KEMAMPUAN MATHEMATICAL PROBLEM SOLVING DAN ADVERSITY QUOTIENT SISWA PADA PEMBELAJARAN METAKOGNITIF THINK-ALOUD DALAM SETTING KOOPERATIF THINK-PAIR-SHARE/ SQUARE

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

- Riduwan, (2010). *Belajar Mudah (Penelitian Untuk Guru, Karyawan, dan Peneliti Pemula)*, Bandung: Alfabeta
- Risnanosanti. (2008). Melatih Kemampuan Metakognitif Siswa Dalam Pembelajaran Matematika. Proseding seminar Nasional Matematika dan Pendidikan Matematika.
- Robertson, S. I. (2005). *Problem Solving*. Philadelphia: Psychology Press the Taylor & Francis e-Library, ISBN 0-203-76619-9 (Adobe eReader Format)
- Sanjaya, W. (2009). *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*. Jakarta: Prenada Media Grup.
- Sarwono, Jonathan. (2009). *Statistik Itu Mudah: Panduan Lengkap untuk Belajar Komputasi Statistik Menggunakan SPSS 16*. Yogyakarta: Penerbit Universitas Atma Jaya Yogyakarta.
- Schoenfeld, A. (1992). Learning to think mathematically: Problem solving, metacognition, and sense-making in mathematics. In D. Grouws (Ed.), *Handbook for Research on Mathematics Teaching and Learning* (pp. 334-370). New York: MacMillan
- _____. (1985). *Mathematical Problem Solving*. [Online]. Tersedia: <http://tip.psychology.org/schoen.html>
- _____. (1987). *Metacognition. Learning and Mathematics* [Online]. Tersedia: <http://mathforum.org/~sarah/Discussion.Sessions/schoenfeld.html>
- Schraw, G. (1998). Promoting general metacognitive awareness. *International Science*, 26, 113-125.
- Schreyer Institute for Teaching Excellence. (2007). *Problem Solving Rubrics*. [Online]. Tersedia: <http://www.schreyerinstitute.psu.edu/pdf/ProblemSolvingRubric1.pdf> [22 Januari 2014]
- Sjuts, J.L. (1999). *Metacognition in Mathematics Lessons*,. Available: http://www.web.doc.sub.gwdg.de/book/e/gdm/1999_index.html, pp. 76-87, diakses 10 Desember 2013
- Sperling, R., Howard, B. & Staley, R. (2004) Metacognition and Self-regulated Learning Constructs, *Educational Research and Evaluation*, 10 (2), 117-139.
- Stoltz, Paul G. (2004). *Adversity quotient* mengubah hambatan menjadi peluang. Alih bahasa T. Hermaya. Jakarta: PT Gramedia Widiasarana Indonesia

- Sudarman, (2012). *Adversity Quotient Kajian Kemungkinan Pengintegrasianya dalam Pembelajaran Matematika. AKSIOMA, Volume 01 Nomor 01 Maret 2012*
- Sudarman. (2011). Proses berpikir siswa *quitter* pada sekolah menengah Pertama dalam penyelesaikan masalah matematika. *Edumatica volume 01 nomor 02 , oktober 2011. ISSN: 2088-2157*
- Sugiyono. (2012). *Metode Penelitian Kombinasi (Mixed Methods)*. Bandung: Alfabeta
- Sugiyono. (2013). *Statistika untuk Penelitian*. Bandung: Alfabeta.
- Supardi U.S, (2013). – Pengaruh Adversity Quotient Terhadap prestasi belajar Matematika. *Jurnal Formatif 3(1): 61-71 ISSN: 2088-351X*
- Suryadi, D. (2005). *Penggunaan Pembelajaran Dengan Pendekatan Tidak Langsung Serta Pendekatan Gabungan Langsung Dan Tidak Langsung Dalam Rangka Meningkatkan Kemampuan Berpikir Matematika Tingkat Tinggi Siswa SLTP*. Disertasi UPI. Tidak diterbitkan.
- Sutawidjaja, A. (1998). "Pemecahan Masalah dalam Pembelajaran Matematika" *Teknologi Pembelajaran Teori dan Terapan Nomor: 3 Desember 1998. pp.141-146*
- Sweeney, Carly Mara. (2010). The Metacognitive Functioning of Middle School Students with and without Learning Disabilities During Mathematical Problem Solving. *Open Access Dissertations*. Paper 433
- Syah, Muhibbin. (2010). Psikologi Belajar. Jakarta: Rajagrafindo Persada
- Tall, D. (1999). *Reflection on APOS theory in Elementary and Advanced Mathematical Thinking*. Presented at PME23 Haifa, Israel, July, 1999. Proceeding of the 23rd Conference of PME, Hafia Israel, I: 111-118. <http://www.warwick.ac.uk/staff/David.Tall/pdfs/dot1999c-apos-in-amtpme.pdf>. Diakses Tanggal 14 Oktober 2013
- Tint, S. S. & Nyunt, E.E. (2015). Collaborative Learning With Think- Pair-Share Technique. *Computer Applications: An International Journal (CAIJ), Vol.2, No.1, Feb*
- Toit, S. Du & Kotze,G. (2009). Metacognitive Strategy in the Teaching and Learning of Mathematics. *Jurnal Pythagoras*. <http://www.pythagoras.org.za/index.php/pythagoras/article/view/39>
Diakses Oktober 2013
- Trianto (2007). *Model-Model Pembelajaran Inovatif Berorientasi Konstruktivistik*, Jakarta: Prestasi Pustaka

Zubaidah Amir MZ, 2016

KEMAMPUAN MATHEMATICAL PROBLEM SOLVING DAN ADVERSITY QUOTIENT SISWA PADA PEMBELAJARAN METAKOGNITIF THINK-ALOUD DALAM SETTING KOOPERATIF THINK-PAIR-SHARE/ SQUARE

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

- Wahyudin. (2008). *Pembelajaran & Model Pembelajaran; Pelengkap Untuk Meningkatkan Kompetensi Pedagogis Para guru dan Calon Guru Profesional*. Bandung: CV. IPA Abong.
- Walt, M.v.d & Kobus, M. (2007). Do Mathematics Learning Facilitator implement Metacognitive Strategies? *South African Journal of Education. EASA*. Vo. 27 (2); 223-241
- Wardiana, I. Pt A.; Wiarta, .I W., & Zulaikha, S. (2014). Hubungan Antara *Adversity Quotient* (AQ) Dan Minat Belajar Dengan Prestasibelajar Matematika Pada Siswa Kelas V Sd Di Kelurahan Pedungan. *Jurnal Mimbar PGSD Universitas Pendidikan Ganesh Jurusan PGSD* (Vol:2 No:1 Tahun 2014
- Webster's Seventh New Collegiate Dictionary. (1972)
- Wijayanti, S., Mardiyana, & Subanti, S. (2014). *Eksperimentasi Model Pembelajaran Kooperatif Tipe Teams Games Tournament Dengan Pendekatan Realistic Mathematics Education Pada Materi Pokok Persamaan Dan Pertidaksamaan Linier Satu Variabel Ditinjau Dari Adversity Quotient Siswa Kelas VII SMP Negeri Se-Kabupaten Grobogan. Jurnal Elektronik Pembelajaran Matematika ISSN: 2339-1685 Vol.2, No.3, hal 291 - 300, Mei 2014* <http://jurnal.fkip.uns.ac.id>
- Wikipedia. (2008) Free Encyclopedia.
- Yoong, W. K. (2012). *Helping Your Students to Become Metacognitive in Mathematics: A Decade Later.* <http://intranet.moe.edu.sg/math/Newsletter/FourthIssue/Vol2No5.html>.
- Zen, Zubaidah.A.M. & Turmudi. (2015). *Adversity Quotient In Learning Mathematics (Comparative Case Study In Class VII MTs)*. Proceeding of the International Seminar on Teacher Education (ISTE), Pekanbaru, Indonesia. November 21 – 22, 2015 ISBN: 987-602-6879-31-8. www.iste2015.xyz
- Zen, Zubaidah.A.M. & Wahyudin. (2015). *Exploration of Metacognitive Ability at Elementary School Students in Learning Mathematics (Case Study in 1th Grade Students of Elementary School)*. Makalah diseminarkan pada International Conference on Mathematics: Pure, Applied and Computation (ICOMPAC) ITS Surabaya, 3-4 Desember 2015. <http://icompac.its.ac.id/2015/informasi/96/list-of-accepted-papers.html> dan diterima untuk dipublikasikan pada jurnal internasional *Innovative Technology and Education*, in process of *Hikari Publisher*
- Zen, Zubaidah. A. M. (2013). Perspektif Gender dalam Pembelajaran Matematika. *Jurnal Marwah Vol.XII No.1 Juni Th. 2013*

- _____. (2015). *Metacognitive Strategies In Mathematics Education; (Quantitative Study On Students And Teachers Of Mathematics)*. Proceeding of the International Seminar on Teacher Education (ISTE), Pekanbaru, Indonesia. November 21 – 22, 2015 ISBN: 987-602-6879-31-8. www.iste2015.xyz
- Zen, Zubaidah.A.M., Wahyudin & Turmudi. (2016). Adversity Quotient toward Mathematics: a Comparative Study based on The Implementation of Metacognitive Learning Think-Aloud Setting Cooperative Think-Pair-Share/Square. *Manuscript submitted on July 2016 to Australasian Journal of Educational Technology (AJET) indexed by Scopus*, and waiting assignment by editorial.
- _____. (2016). Metacognition Think Aloud Strategies In Setting Cooperative Think-Pair-Share/Square to Develop Student's Math Problem Solving Ability. Artikel diseminarkan pada *International Conference on Mathematics and Science Teacher Education (ICSME)*, 30 April 2016 di UPI Bandung. *Proceeding indexed by Thomson Reuters*. Prosiding sedang proses cetak.
- Zhu, Z. (2007). Gender Differences In Mathematical Problem Solving Patterns: A Review of Literature. *International Education Journal*, 2007, 8(2), 187-203. ISSN 1443-1475 © 2007 Shannon Research Press. <http://iej.com.au>