

DAFTAR PUSTAKA

- Abidin, M. J. Z., dkk. (2011). Learning styles and overall academic achievement in a specific educational system. *International Journal of Humanities and Social Science*, 1(10), 143-152.
- Ahmad, A., Salim, S. S., & Zainuddin, R. (2007). Supporting Mathematical Communication in Word Problem Solving Through a Cognitive Tool. In *Proceedings of the 6th WSEAS International Conference on Education and Educational Technology* (pp. 21-23).
- Alhaddad, I., dkk (2015). Enhancing Students' Communication Skills Through Treffinger Teaching Model. *Journal on Mathematics Education*, 6(1), 31-39.
- Ansari, B. I. (2003). Menumbuhkembangkan Kemampuan Pemahaman dan Komunikasi Matematik Siswa SMU melalui Strategi Think-Talk-Write. *Disertasi doktor, tidak diterbitkan, Universitas Pendidikan Indonesia, Bandung*.
- Asikin, M. dan Junaedi, I. (2013). Kemampuan Komunikasi Matematika Siswa dalam Pembelajaran RME (Realistic Mathematics Education). *Unnes Journal of Mathematics Education Research*, 2(1), hlm. 2.
- Badan Standar Nasional Pendidikan. (2016). *Permendikbud Tahun 2016 Nomor 024 Lampiran 16*. Jakarta: Badan Standar Nasional Pendidikan.
- Bakhtin, M. M. (2010). *Speech genres and other late essays*. USA: University of Texas Press.
- Barker, A. (2010). *Improve your communication skills* (Vol. 39). Kogan Page Publishers.
- Bentley, D. dan Watts, M. (2005). *Communicating in School Science: Groups, Tasks and Problem Solving 5– 16*. UK dan USA: The Falmer Press, Taylor & Francis Inc.
- Bire, A. L., & Bire, J. (2014). Pengaruh gaya belajar visual, auditorial, dan kinestetik terhadap prestasi belajar siswa. *Jurnal Kependidikan: Penelitian Inovasi Pembelajaran*, 44(2).
- Boesen, J., Lithner, J., & Palm, T. (2018). Assessing mathematical competencies: an analysis of Swedish national mathematics tests. *Scandinavian Journal of Educational Research*, 62(1), 109-124.
- Braun, B. (2014). Personal, expository, critical, and creative: Using writing in mathematics courses. *Primus*, 24(6), 447-464.

Aidil Saputra, 2018

ANALISIS KEMAMPUAN KOMUNIKASI MATEMATIS SISWA SMA MELALUI INTERAKSI DALAM KELOMPOK PADA MATERI FUNGSI KUADRAT DITINJAU DARI GAYA BELAJAR

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

- Bungum, B., Manshadi, S., & Lysne, D. A. (2014). Mathematical speech and practical action: a case study of the challenges of including mathematics in a school technology project. *International Journal of Mathematical Education in Science and Technology*, 45(8), 1131-1145.
- Chen, B. H., & Chiou, H. H. (2014). Learning style, sense of community and learning effectiveness in hybrid learning environment. *Interactive Learning Environments*, 22(4), 485-496.
- Christine, dkk. (2016). Kemampuan Komunikasi Matematika Siswa Man 2 Jember Yang Memiliki Gaya Belajar Visual. *Gammath: Jurnal Ilmiah Program Studi Pendidikan Matematika*, 1(2).
- Cuevas, J. (2015). Is learning styles-based instruction effective? A comprehensive analysis of recent research on learning styles. *Theory and Research in Education*, 13(3), 308-333.
- De Porter, B., & Hernacki M. (2005). *Quantum Teaching*. Bandung: Kaifa.
- Di Paolo, E. A., Rohde, M., & De Jaegher, H. (2011). Horizons for the enactive mind: Values, social interaction, and play. In J. Stewart, O. Gapenne, & E. A. Di Paolo (Eds.), *Enaction: toward a new paradigm for cognitive science*. Cambridge: MIT Press.
- Dunn, R., Dunn, R. S., & Griggs, S. A. (1998). *Multiculturalism and learning style: Teaching and counseling adolescents*. UK dan USA: Praeger Publishers, Greenwood Publishing Group.
- Dunn, R., & Honigsfeld, A. (2013). Learning styles: What we know and what we need. In *The Educational Forum* (Vol. 77, No. 2, pp. 225-232). Taylor & Francis Group.
- El Haddioui, I., & Khaldi, M. (2012). Learning style and behavior analysis: A study on the learning management system Manhali. *International Journal of Computer Applications*, 56(4).
- Esmonde, I. (2009). Explanations in mathematics classrooms: A discourse analysis. *Canadian Journal of Science, Mathematics and Technology Education*, 9(2), 86-99.
- Felder, R. M., & Spurlin, J. (2005). Applications, reliability and validity of the index of learning styles. *International journal of engineering education*, 21(1), 103-112.
- Firdaus, H. P. E. (2017). Analysis Of Mathematical Communication Skills Students In Mathematics Education At Study Course Junior High School

Aidil Saputra, 2018

ANALISIS KEMAMPUAN KOMUNIKASI MATEMATIS SISWA SMA MELALUI INTERAKSI DALAM KELOMPOK PADA MATERI FUNGSI KUADRAT DITINJAU DARI GAYA BELAJAR

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

- Mathematics. In *International Conference on Education (IECO) FKIP UNMUH JEMBER* (Vol. 1, No. 1).
- Fitriani, C. H. (2017). Gaya Belajar Siswa Kelas III B SDN Tukangan Yogyakarta. *Basic Education*, 6(1), 18-27.
- Gobai, Y. (2005). Pengaruh Penggunaan Bahan Ajar Dan Gaya Belajar Terhadap Hasil Belajar. Diakses pada 18 Januari 2018, dari <http://re-searchengines.com/art05-94.html>
- Gilakjani, A. P., & Ahmadi, S. M. (2011). Paper title: The effect of visual, auditory, and kinaesthetic learning styles on language teaching. In *International conference on social science and humanity* (Vol. 5, pp. 469-472).
- Gunawan, A. W. (2006). *Genius Learning Strategi*. Jakarta: Pustaka Utama.
- Greenes, C. (2008). Mathematics Learning and Knowing: A Cognitive Process. *The Journal of Education*, 189(3), 55-64.
- Han, Q., dkk. (2013). The influence of peer interaction on students' creative problem-finding ability. *Creativity Research Journal*, 25(3), 248-258.
- Hart, L., Pehkonen, E., & Ahtee, M. (2014). Retracted Article: Young students' drawings reveal perceptions of mathematics class in Finland and the USA, *Research in Mathematics Education*, 16:1, 18-37, DOI:10.1080/14794802.2013.876155
- Hasrul. (2009). Pemahaman Tentang Gaya Belajar. *Jurnal MEDTEK*, Vol. 1, No. 2. https://www.academia.edu/9080135/Pemahaman_Tentang_Gaya_Belajar_Hasrul
- Herdian. (2010). Kemampuan Komunikasi Matematika. Diakses pada 18 Januari 2018, dari <https://herdy07.wordpress.com/2010/05/27/kemampuan-komunikasi-matematis/>
- Isma'il. (2011). Diagnosis dan Scaffolding Kesulitan Siswa dalam Menggambar Grafik Fungsi Kuadrat. *Tesis, tidak diterbitkan, Universitas Negeri Malang, Malang*.
- Johansson, M., dkk (2014). Young children's multimodal mathematical explanations. *ZDM*, 46(6), 895-909.
- Johnson, G. D. K. (2008). *Learning styles and emotional intelligence of the adult learner* (Doctoral dissertation). Alabama: Auburn University

Aidil Saputra, 2018

ANALISIS KEMAMPUAN KOMUNIKASI MATEMATIS SISWA SMA MELALUI INTERAKSI DALAM KELOMPOK PADA MATERI FUNGSI KUADRAT DITINJAU DARI GAYA BELAJAR

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

- Juandi, D., & Jupri, A. (2013). Developing Mathematical Communication And Representation Of Students Grade VII: A Design Research. *Jurnal Pengajaran MIPA*, 18(2), 135-145.
- Jupri, A., Drijvers, P., & van den Heuvel-Panhuizen, M. (2014). Difficulties in initial algebra learning in Indonesia. *Mathematics Education Research Journal*, 26(4), 683-710.
- Jupri, A., & Sispiyati, R. (2017). Expert Strategies in Solving Algebraic Structure Sense Problems: The Case of Quadratic Equations. *Journal of Physics: Conference Series* (Vol. 812, No. 1, p. 012093). IOP Publishing.
- Jupri, A. (2018). Peran Teknologi Dalam Pembelajaran Matematika Dengan Pendekatan Matematika Realistik. Disajikan pada *Seminar Nasional Matematika dan Pendidikan Matematika*. Lampung: UIN Raden Intan
- Kharb, P., dkk. (2013). The learning styles and the preferred teaching—learning strategies of first year medical students. *Journal of clinical and diagnostic research: JCDR*, 7(6), 1089.
- Kosko, K. W., & Gao, Y. (2015). Mathematical communication in state standards before the common core. *Educational Policy*, 31(3), 275-302.
- Levenson, E. (2013). Exploring one student's explanations at different ages: the case of Sharon. *Educational Studies in Mathematics*, 83(2), 181-203.
- Maarif, S., & Nurmilah, R. (2015). Komunikasi Matematika Tertulis Dalam Menyelesaikan Masalah Matematika. *Apotema: Jurnal Program Studi Pendidikan Matematika*, 1(1), 28-36.
- Mar'ah, A. (2015). *Gaya belajar dan faktor pengaruhnya terhadap pencapaian prestasi belajar IPA terpadu siswa kelas VIII MTs Sultan Fatah Gaji Guntur Demak tahun pelajaran 2015/2016* (Skripsi, UIN Walisongo).
- Martin, L. C., & Towers, J. (2009). Improvisational coactions and the growth of collective mathematical understanding. *Research in Mathematics Education*, 11(1).
- Mercer, N. (1995). *The guided construction of knowledge: Talk amongst teachers and learners*. Multilingual matters Ltd.
- Moen, J., dkk. (2010). Interaction between participants in focus groups with older patients and general practitioners. *Qualitative Health Research*, 20(5), 607-616.
- Moleong, L.J. (2010). *Metodologi Penelitian Kualitatif*. Bandung: PT. Remaja Rosdakarya.

Aidil Saputra, 2018

ANALISIS KEMAMPUAN KOMUNIKASI MATEMATIS SISWA SMA MELALUI INTERAKSI DALAM KELOMPOK PADA MATERI FUNGSI KUADRAT DITINJAU DARI GAYA BELAJAR

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

- Moussa, N. M. (2014). The importance of learning styles in education. *Institute for Learning Styles Journal*, 1, 19-27.
- Mulyani, S. (n.d.) Pengembangan Kompetensi Komunikasi dan Pemahaman Konseptual Matematis Siswa melalui Pembelajaran Berbasis Masalah di SMA. *Jurnal Pendidikan dan Pembelajaran*, 4(5).
- Muthmainnah, M., Priatna, N., & Priatna, B.A. (2017). Analysis of Students' Error in Algebraic Thinking Test. *Journal of Physics: Conference Series*. IOP Publishing.
- NCTM (2000). *Principles and Standards for School Mathematics*, Reston: Virginia.
- Nilsson, P., & Ryve, A. (2010). Focal event, contextualization, and effective communication in the mathematics classroom. *Educational Studies in Mathematics*, 74(3), 241-258.
- Nuryani, C. S. dan Sopianny H. N. (2017). analisis kemampuan komunikasi matematis siswa mts kelas viii pada pembelajaran *quantum* tipe *visualization, auditory, kinesthetic (vak)*
<http://sesiomadika.890m.com/Prosiding/34CiciSriNuryaniSESIOMADIKA-2017.pdf>
- Olteanu, C., & Olteanu, L. (2013). Enhancing mathematics communication using critical aspects and dimensions of variation. *International journal of mathematical education in science and technology*, 44(4), 513-522.
- Orhun, N. (2007). An investigation into the mathematics achievement and attitude towards mathematics with respect to learning style according to gender. *International Journal of Mathematical Education in Science and Technology*, 38(3), 321-333.
- Ozbas, S. (2013). The investigation of the learning styles of university students. *The Online Journal of New Horizons in Education*, 3(1), 53-58.
- Paridjo & Waluya, S. B. (2017). Analysis Mathematical Communication Skills Students In The Matter Algebra Based Nctm. *IOSR Journal of Mathematics (IOSR-JM)*. DOI: 10.9790/5728-1301056066
- Pashler, H., dkk. (2009). Learning styles: Concepts and evidence. *Psychological science in the public interest*, 9(3), 105-119.
- Pinter, M. (2014). Writing to enhance understanding in general education mathematics courses. *PRIMUS*, 24(7), 626-636.

Aidil Saputra, 2018

ANALISIS KEMAMPUAN KOMUNIKASI MATEMATIS SISWA SMA MELALUI INTERAKSI DALAM KELOMPOK PADA MATERI FUNGSI KUADRAT DITINJAU DARI GAYA BELAJAR

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

- Purwati H., dan Wuri D. E. (2017). Analisis Kemampuan Komunikasi Matematis Siswa Dengan Gaya Belajar Kompetitif.
<http://upy.ac.id/ojs/index.php/mtk/article/download/1056/862>
- Qohar, A.,(2011). Mathematical Communication: What And How To Develop It In Mathematics Learning?. In *Proceedings International Seminar and the Fourth National Conference on Mathematics Education*. Department of Mathematics Education, Yogyakarta State University.
- Raco, J. (2018). *Metode penelitian kualitatif: jenis, karakteristik dan keunggulannya*. PT Grasindo: Jakarta.
- Sample, L. (2009). Oral and written communication in classroom mathematics.
- Sari, A. K. (2014). Analisis Karakteristik Gaya Belajar VAK (Visual, Auditorial, Kinestetik) Mahasiswa Pendidikan Informatika Angkatan 2014. *Educative-Scientific Journal of Informatics Education*, 1(1).
- Sari, D. S., Kusnandi, K., & Suhendra, S. (2017). A Cognitive Analysis of Students' Mathematical Communication Ability on Geometry. In *Journal of Physics: Conference Series* (Vol. 895, No. 1, p. 012083). IOP Publishing.
- Sari I.P. (2017). kemampuan komunikasi matematika berdasarkan perbedaan gaya belajar siswa kelas x sma negeri 6 wajo pada materi statistika.
<http://ojs.unm.ac.id/nalar/article/download/4867/2774>
- Sherratt, S., Sher, W., Williams, A., & Gameson, R. (2010). Communication in construction design teams: Moving into the virtual world. In *Handbook of Research on Discourse Behavior and Digital Communication: Language Structures and Social Interaction* (pp. 218-234). IGI Global.
- Strong, S. (2016). Communicating in the Math Classroom: Part 1. diakses pada 18 Januari 2018, dari <http://www.nctm.org/Publications/Mathematics-Teaching-in-Middle-School/Blog/Communicating-in-the-Math-Classroom-Part-1/>
- Sugiyono. 2010. *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif dan R&D*. Bandung: PenerbitAlfabeta.
- Sumarmo, U. (2015). Proses Berpikir Matematik: Apa dan Mengapa Dikembangkan. Dalam D. Suryadi, Turmudi, dan E. Nurlaelah (Penyelia), *Kumpulan Makalah Berpikir dan Diposisi Matematik serta Pembelajarannya*(hlm. 453). Bandung: Universitas Pendidikan Indonesia.
- Tandililing, E. (2011). The Enhancement of Mathematical Communication and Self Regulated Learning of Senior High School Students Through PQ4R Strategy Accompanied by Refutation Text Reading. In *PROCEEDINGS International Seminar and the Fourth National Conference on Mathematics Aidil Saputra, 2018*
- ANALISIS KEMAMPUAN KOMUNIKASI MATEMATIS SISWA SMA MELALUI INTERAKSI DALAM KELOMPOK PADA MATERI FUNGSI KUADRAT DITINJAU DARI GAYA BELAJAR
- Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

Education. Department of Mathematics Education, Yogyakarta State University.

- Teledahl, A. (2016). How young students communicate their mathematical problem solving in writing. *International journal of mathematical education in science and technology*, 48(4), 555-572.
- Thompson, D. R., & Chappell, M. F. (2007). Communication and representation as elements in mathematical literacy. *Reading & Writing Quarterly*, 23(2), 179-196.
- Tinungki, G. M. (2015). The Role of Cooperative Learning Type Team Assisted Individualization to Improve the Students; Mathematics Communication Ability in the Subject of Probability Theory. *Journal of Education and Practice* vol 6 no 2 pp 27-31 ISSN 2222-1735
- Towers, J.&Martin L.C. (2009). Enactivism and the study of collectivity. *ZDM Mathematics Education*, DOI 10.1007/s11858-014-0643-6
- Umar, W. (2012). Membangun kemampuan komunikasi matematis dalam pembelajaran matematika. *Infinity Journal*, 1(1), 1-9.
- Valls, R., & Kyriakides, L. (2013). The power of Interactive Groups: how diversity of adults volunteering in classroom groups can promote inclusion and success for children of vulnerable minority ethnic populations. *Cambridge journal of education*, 43(1), 17-33.
- Ventura, A. C., & Moscoloni, N. (2015). Learning styles and disciplinary differences: A cross-sectional study of undergraduate students. *International Journal of Learning and Teaching*, 1(2), 88-93.
- Wichelt, L. (2009). Communication: A vital skill of mathematics.
- Williams, B., Brown, T., & Etherington, J. (2013). Learning style preferences of undergraduate social work students. *Social Work Education*, 32(8), 972-990.
- Zahroh, I. (2015). *Profil Komunikasi Matematika Siswa Dalam Memecahkan Soal Ditinjau Dari Gaya Belajar Siswa* (Skripsi, Uin Sunan Ampel Surabaya).