

DAFTAR PUSTAKA

- _____. Undang-Undang Sistem Pendidikan Nasional Tahun 2003.
- Agung, Leo, S. (2015). The Development of local wisdom-based social science learning model with Bengawan Solo as the learning source. *American International Journal of Social Science*. Vol. 4, No.4
- Amimah, H. S., & Fitriyani, H. (2017). Level Berpikir Siswa Smp Bergaya Kognitif Refleksif Dan Impulsive Menurut Teori Van Hiele Pada Materi Segitiga. *Prosiding seminar nasional Unimus*.
- Anderson., *et al.* (2001). *A Taxonomy for Learning Teaching and Assessing*. New York: Longman.
- Apriyanti, S & Fitriyani, H. (2017). Teori Van Hiele: Tingkat Berpikir Siswa Smp Bergaya Kognitif Refleksif Dan Impulsif Pada Materi Segiempat. *Prosiding seminar nasional Unimus*.
- Astuti, Reni; Suryadi, Didi; & Turmudi. (2018). Analysis on Geometry Skills of Junior High School Students on the Concept Congruence based on Van Hiele's Geometric Thingking Level. *Journal of Physics (Indexed by Scopus), IOP Conference Series*, Accepted 20 Juli 2018. Makalah telah diseminarkan pada International Conference on Mathematical Sciences and Statistics (ICMSS) di Putrajaya Malaysia pada tanggal 6-8 Februari 2018.
- Atebe, H. U., & Schafer, M. (2008). Van Hiele levels of geometric thinking of Nigerian and South African mathematics learners. In M. C. Polaki, T. Mokulu, & T. Nyabanyala (Eds.), *Proceedings of the 16th Annual Conference of the Southern Africa Association for Research in Mathematics, Science and Technology*. Maseru: SAARMSTE.
- Avianti, R. Amilia. (2008). Pengembangan Skala Sikap Diferensial Semantik terhadap Fisika. *Prosiding Konferensi Nasional Matematika XIV*, Palembang.
- Baffoe, E. & Mereku, D. K. (2010). The van Hiele Levels of understanding of students entering Senior High School in Ghana. *African Journal of Educational Studies in Mathematics and Sciences*, 8, 51-61.
- Batubara, S.M. (2017). Kearifan Lokal dalam Budaya Daerah Kalimantan Barat (Etnis Melayu dan Dayak). *Jurnal Penelitian IPTEKS*. Pontianak.
- Bern, R.G and Erickson, P.M. (2001). *Theoretical roots of contextual teaching and learning in mathematics*. Georgia: The Departement of Mathematis Education.
- Bobango, J.C. (1993). Geometry for All Student: Phase-Based Instruction. Dalam Cuevas (Eds). *Reaching All Students With Mathematics*. Virginia: *NCTM*.

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PENINGKATAN PEMAHAMAN DAN KETERAMPILAN GEOMETRIS, SERTA PENCAPAIAN KARAKTER SISWA SEKOLAH MENENGAH PERTAMA MELALUI MODEL PEMBELAJARAN VAN HIELE DENGAN PENDEKATAN KONTEKSTUAL BERBASIS KEARIFAN LOKAL

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- Burger, E. F., & Shaughnessy, J. M. (1986). Characterizing the van Hiele levels of development in geometry. *Journal for Research in Mathematics Education*, 17(1), 31–48.
- Cahyono; Heru; Adam, A. W; dkk. (2006). *Negara dan Masyarakat Dalam Resolusi Konflik di Indonesia (Daerah Konflik Kalimantan Barat dan Kalimantan Tengah)*. Jakarta: LIPI Press.
- Charlie, A. (2002). *Handbook I & II of Character Education*. Raleigh, NC: Public School of North Carolina.
- Connolly, Susan. (2010). *The Impact of van Hiele-based Geometry Instruction on Student Understanding*. Mathematical and Computing Sciences Masters. Paper 97. M.S. Mathematics, Science and Technology Education. School of Arts and Sciences. Publications at St. John Fisher College
- Clements, & Batista. (1992). Geometry and Spatial Reasoning. In D. Grouws, ed. *Handbook of Research on Mathematic Teaching and Learning*, New York: Macmillan Publishing company. NCTM, h.420.
- Depdiknas. (2002). *Pendekatan Kontekstual (Contextual Teaching and Learning)*. Jakarta: Direktorat Pendidikan Lanjutan Pertama.
- Depdiknas. (2002). *Kamus Besar Bahasa Indonesia*. Jakarta: Balai Pustaka.
- Djuweng, S. (1999). “Pembangunan dan Marginalisasi Masyarakat Adat Dayak: Suara Dari Kalimantan”. Menuju Masyarakat Terbuka. Lacak Jejak Pembaruan Sosial di Indonesia (editor Muhammad Hidayat Rahz), hlm. 171-200. Yogyakarta: Ashoka Indonesia-Insist.
- Dwirahayu, G. (2012). *Pengaruh Strategi Pembelajaran Eksploratif terhadap Peningkatan Kemampuan Visualisasi, Pemahaman Konsep Geometri, dan Karakter Siswa*. Disertasi Doktor pada SPS UPI. Tidak diterbitkan.
- Eduardo. (2011). Comparison of the Final of Student in Intermediate Algebra taught with and without an Ethnomatematical Pedagogy. *A presentation to the Center for the study of Diversity in Teaching and Learning in Higher Education*.
- Eraso, Mario. (2007). *Connection Visual and Analytic Reasoning to Improve Student' Spatial Visualization Abilities: A Construct Approach*. Dissertation. Miami: Florida International University.
- Frykholm, J. (1994). External Variable as Predictors of Van Hiele Levels in Algebra and Geometry Students. U.S Departement Of Education: *Education Resources Information Center (ERIC)*.
- Fuys, D., Geddes, D., Tischler, R. (1988). The Van Hiele model of thinking in geometry among adolescents. *Journal for Research in Mathematics Education Monograph*, 3.

- Gani, R.A. (2007). *Pengaruh Pembelajaran Metode Inquiry Model Alberta terhadap Kemampuan Pemahaman dan Pemecahan Masalah Matematika Siswa Sekolah Menengah Atas*. Bandung: UPI-Disertasi.
- Geddes, D., & Fortunato, L. (1993). *Research Idea for the Classroom Middle Grades Mathematics*. New York: *Macmillan Publishing Company*.
- Geertz, Clifford. (1973). *The interpretation of Cultures: Selected Essays*. New York: Basic Books.
- Hake, R. (2002). *Analizing Change/Gain Scores*. Woodland Hills Dept.of Physics. Indiana University.
- Hasan, Said, H.,dkk. (2010). *Pengembangan Pendidikan Budaya dan Karakter Bangsa*. Jakarta: Kementerian Pendidikan Nasional, Badan Pengembangan dan Penelitian Kurikulum, Pusat Kurikulum.
- Hendriana, Heris. (2009). *Pembelajaran dengan Pendekatan Metaphorical Thinking untuk Meningkatkan Kemampuan Pemahaman Matematis, Komunikasi Matematis dan Kepercayaan Diri Siswa SMP*. Disertasi Doktor pada SPS UPI. Tidak diterbitkan.
- Hershkowitz, R. (2014). Shapes and Space – Geometry Teaching and Learning Encyclopedia of Mathematics Education. *Springer References*. DOI 10.1007/978-94-007-4978-8.
- Hiebert, J., & Carpenter, T.P. (1992). Learning and Teaching with Understanding. In D.A Grouws (ed), *Handbook of Research on Mathematics Teaching and Learning*. New Work: Macmillan.
- Hoffer, Allan. (1981). Geometry is More Than Proof. *NCTM Journal*. Vol. 74.1. Januari 1981. NCTM.
- Hoffer, Allan. (1983). Acquisition of mathematics concepts and processes. In A. Hoffer, *Van Hiele-based research*. In R. Lesh & M. Landau (Eds) (pp. 205-227). New York: Academic Press.
- Hudha, A. M; Ekowati, Dyah, W.& Husamah. (2014). Character education model in mathematics and natural sciences learning at Muhammadiyah Junior High School. *International Journal of Education, Learning & Development*, Vol.2, No.4, pp.33-47.
- Hudoyo, H. (1998). Pembelajaran Matematika Menurut Pandangan Konstruktivistik. *Makalah Seminar Nasional Pendidikan Matematika*, IKIP Malang.
- Jane, Mary Schmitt. (2006). *Developing Geometric Reasoning*. Washington DC: GED Mathematics Training Institute.
- Johnson, E.B. (2002). *Contextual Teaching and Learning: What It is and Why It is Here to Stay*. Thousands Oaks, California: Corwin Press, Inc.

- Johar, R. (2001). Konstruktivisme atau Realistik? *Makalah dalam seminar Nasional Realistics Mathematics Education (RME)*, 24 Februari 2001. FMIPA Universitas Negeri Surabaya.
- Jones, K. (2001). Teaching and Learning Geometry: Spatial Thinking and Visualization. *Journal The Royal Society*.
- Kennedy, L; Tipps, S; Johnson, A. (2007). *Guiding Children's Learning of Mathematics-eleven edition*. Tersedia di Google Books.
- Keraf, A.S. (2010). *Etika Lingkungan Hidup*. Jakarta: Penerbit Buku Kompas.
- Kesiman, M. W. A. & Agustini, K. (2012). The Implementation of Hypertext-based Learning Media for a Local Cultural Based Learning. *Journal of Information Technology Education: Vol.11*.
- Khotimah, H. (2013). Meningkatkan Hasil Belajar Geometri dengan Teori Van Hiele. *Prosiding Seminar Nasional Matematika dan Pendidikan FMIPA UNY Yogyakarta: Universitas Negeri Yogyakarta*.
- Khusniati, M.; Parmin & Sudarmin. (2017). Local Wisdom-Based Science Learning Model through Reconstruction of Indigenous Science to Improve Student's Conservationist Character. *Journal of Turkish Science Education, Vol.14, Issue 3, pp. 16-23*.
- Kotler, P. (2001). *The Organization of the future: Persaingan dan Karakter Masyarakat*. Jakarta: PT. Gramedia.
- Kulpe, O. (2009). Introduction to Philosophy. A Handbook for Students of Psychology, Logic, Ethics, Esthetics and General Philosophy [Paperback]
- Lickona, Thomas. (1991). *Educating for Character: How Our School Can Teach Respect and Responsibility*. New York, Toronto, London, Sydney.
- Mahmudi, Ali. (2011). Developing Students' Character Through Mathematics Teaching and Learning. Yogyakarta. *International Seminar and the Fourth National Conference on Mathematics Education 2011*.
- Malloy, C. E. (2004). Equity in mathematics education is about access. In R.Rubenstein & G. Bright, (Eds.), *2004 NCTM Yearbook: Effective mathematics teaching* (pp. 1-14) Reston, VA, NCTM.
- Mason, Marguerite. (1997). The van Hiele Levels of Geometric Understanding. *Geometry: Explorations and Applications (Professional Handbook For Teachers)*. 4-8.
- Matang. (2006). Linking Ethnomathematics Situated cognition. Social Constructivisme and Mathematics Education: An Example from Papua New Guinea. Southern Cross University, Australia The Glen Learn Ethnomathematics Research Center, University of Goroka, Papua New Guinearmatan. *ICEM-3 Conference Paper*.

- Maunati, Y. (2004). *Identitas Dayak: Komodifikasi dan Politik Kebudayaan*. Yogyakarta: LKiS.
- Muhassanah, Nur'aini. (2014). Analisis Keterampilan Geometri Siswa Dalam Memecahkan Masalah Geometri Berdasarkan Tingkat Berpikir Van Hiele. *Prosiding Seminar Nasional Matematika Dan Pendidikan Matematika UMS 2015*. ISBN : 978.602.361.002.0. Surakarta.
- Mulyana, Endang. (2009). *Pengaruh Model Pembelajaran Matematika Knisley Terhadap Peningkatan Pemahaman dan Disposisi Matematis Siswa SMA Program IPA*. Disertasi Doktor pada SPS UPI. Tidak diterbitkan.
- Muslich, M. (2008). *KTSP Pembelajaran Berbasis Kompetensi dan Kontekstual*. Jakarta: Bumi Aksara.
- Nanang. (2009). *Studi Perbandingan Kemampuan Pemahaman dan Pemecahan Masalah Matematik pada Kelompok Siswa yang Pembelajarannya Menggunakan Pendekatan Kontekstual dan Metakognitif serta Konvensional*. Disertasi. Bandung: UPI. Tidak diterbitkan
- National Council of Teacher of Mathematics. (2000). *Principles and Standards for School Mathematics*. Reston, VA: NCTM.
- Nurhadi, Senduk. (2003). *Pembelajaran Kontekstual (Contextual Teaching and Learning/CTL) dan Penerapannya dalam KBK*. Malang: Universitas Negeri Malang.
- Parwati, N. N; Sudiarta, I.G.P.; Mariawan, I.M. & Widiana, I.W. (2018). Local Wisdom-Oriented Problem-Solving Learning Model to Improve Mathematical Problem Solving Ability. *Journal of Technology and Science Education*. Vol. 8, No. 4.
- Patsiomitou, S. & Emvalotis, A. (2009). Developing geometric thinking skill through dynamic diagram transformations. *Proceedings of MEDCONF 2009: The Sixth Mediterranean Conference on Mathematics Education*. (hlm. 249-258).
- Pike, M.A. (2010). Christianity and Character Education: Faith in Core Values? *Journal of Beliefs and Values: Studies in Religion Educati*, 31 (3): 311-312.
- Pinwanna, M. (2015). Using the Contextual Teaching and Learning Method in Mathematics to Enhance Learning Efficiency on Basic Statistics for High School Students. *ICLEHI 2015*.
- Prayitno, dan Khaidir, A. (2011). *Pendidikan Karakter: Nilai Inti Bagi Upaya Pembinaan Kepribadian Bangsa: Pendidikan Karakter Cerdas: Pemikiran Alternatif melalui Metode Klasikal dan Non-Klasikal dalam Pembinaan Karakter Bangsa*. Bandung: Widya Aksara Press.
- Rahyono, F.X. (2009). *Kearifan Budaya dalam Kata*. Jakarta: Wedatama Widyastra.

- Ruseffendi, E.T. (1991). *Penilaian Pendidikan dan Hasil Belajar Siswa Khususnya dalam Pengajaran Matematika*. Diklat.
- Ruseffendi, E.T. (2006). *Pengajaran Matematika Untuk Meningkatkan CBSA*. Bandung : Tarsito. Hal: 158-161.
- Sears, S.J. & Hersh, S.B. (2001). Contextual Teaching and Learning: An Overview of the project. Dalam K.R. Howey et al. (Eds). *Contextual Teaching and Learning: Preparing Teacher to Enhance Student Success in The Workplace and Beyon USA*; *ERIC Clearinghouse on Teaching and Teacher Education*.
- Serow, P. (2008). Investigating a phase approach to using technology as a teaching tool. *Proceedings of the Annual Conference of the Mathematics Education Research Group of Australasia*, Vol. 1 and 2.
- Seftika; Janah, M. & Syaputri, W. (2017). Improving Students' Understanding of Indonesian Culture Through English Learning Based Local Culture Context, *ELT-Lectura: Jurnal Pendidikan*, Vol. 4, No. 2.
- Setiarini, E.H. & Mubarokah, L. (2014). Hasil Analisis Pemahaman Geometri Siswa Berdasarkan Jenis Kelamin. *Jurnal Pendidikan Matematika STKIP PGRI Sidoarjo*.
- Shidiq, L.J., Dafik dan Tirta, I.M. (2015). Analisis Soal Matematika TIMSS 2011 dengan Indeks Kesukaran Tinggi bagi Siswa SMP. *Makalah disampaikan pada seminar Nasional Pendidikan dengan tema reformasi pendidikan dalam memasuki ASEAN economic community (AEC)*. Jember: Universitas Jember.
- Sinaga, B. (2007). *Pengembangan Model Pembelajaran Matematika Berdasarkan Masalah Berbasis Budaya Batak*. Disertasi SPs Unesa.
- Skaggs, G. & Bodenhorn, N. (2006). Relationships between Implementing Character Education, Student Behavior, and Student Achievement. *Journal of Advanced Academics*, 18 (1): 82-114.
- Skemp. (1987). *The Psychology of Learning Mathematics*. Hillsdale, NJ: Erlbaum.
- Sugiyono. (2010). *Metode Penelitian Pendidikan*, Bandung, Alfabet.
- Suherman, dkk. (2003). *Strategi Pembelajaran Matematika Kontemporer*. Bandung: UPI.
- Sukadi. (2011). *Pendidikan Karakter: Nilai Inti Bagi Upaya Pembinaan Kepribadian Bangsa: Pendidikan Karakter Bangsa Berideologi Pancasila*. Bandung: Widya Aksara Press.
- Sumarmo, U. (2000). *Pengembangan Model Pembelajaran Matematika Untuk Meningkatkan Kemampuan Intelektual Tingkat Tinggi Siswa Sekolah*. Laporan Hibah Bersaing Tahap I, Tahap II, dan Tahap III; Tidak Diterbitkan.

- Sunardi, S. (2016). Hubungan antara Tingkat Penalaran Formal dan Tingkat Perkembangan Konsep Geometri Siswa. *Jurnal Ilmu Pendidikan*, 9(1).
- Sunoto, U. (2002). “Pendekatan Ketrampilan Proses Melalui Metode Penemuan untuk Meningkatkan Prestasi Belajar Matematika Siswa”, *Matematika Jurnal Matematika dan Pembelajarannya*. 7 (Edisi Khusus), 618-625.
- Suparno, P. (1997). *Filsafat Konstruktivisme dalam Pendidikan*. Yogyakarta: Penerbit Kanisius.
- Suwarsono, St. (2001). “Pembelajaran Matematika di Sekolah dalam Rangka Meningkatkan Kualitas Sumber Daya Manusia”. *Prosiding Seminar Nasional Matematika*, FMIPA UNY Yogyakarta.
- Tate, W.F. (1997). Race-ethnicity, SES, gender, and language proficiency trends in mathematics achievement: An update. *Journal for Research in Mathematics Education*, 28. Hal 652-680.
- Usiskin, Z., Senk, S. (1982). *Van Hiele levels and achievement in secondary school geometry*. Retrieved August 17, 2009.
- Valero, P. & Skovsmose, O. (2002). Mathematics education: The Relevance of “Contextual Teaching” in developing countries. *Proceedings of the 3rd International MES Conference*. Copenhagen: Centre for Research in Learning Mathematics, pp. 1-7.
- Van de Walle, John A. (1994). *Elementary School Mathematics*. New York: LONGMAN.
- Van de Walle, John A. (2001). *Geometric Thinking and Geometric Concepts*. In Elementary and Middle School Mathematics: Teaching Developmentally, 4th ed. Boston: Allyn and Bacon.
- Van Hiele. (1986). *Structure and Insight: A Theory of Mathematics Education*. Academic Press. New York, NY.
- Vojkuvkova, I. (2012). The van Hiele Model of Geometric Thinking. Prague, Czech Republic. *WDS'12 Proceedings of Contributed Papers*, ISBN 978-80-7378-224-5. 1:72-75.
- Widjaja, W. (2013). The Use of Contextual Problems to Support Mathematical Learning. *Journal Mathematics Education (JME)*, Volume 4, No. 2, pp.151-159.
- Wirszup, I. (1976). Breakthroughs in the psychology of learning and teaching geometry. In J. I. Martin and D. A. Bradbard (Eds). *Space and geometry: Papers from a Research Workshops*. Columbus, Ohio: *ERIC Center for Science, Mathematics and Environment Education*.
- Whitely, W. (1999). The Decline and Rise of Geometry in 20th Century North America. *Proceedings of the 1999 Conference of The Mathematics Education Study Group of Canada*. Ontario: Brock University.
- Yazdani, M. (2007). Correlation between students' level of understanding geometry according to the van Hiele's model and students' achievement in

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plane geometry. *Journal of Mathematical Sciences & Mathematics Education*.

Zeng, Xiaoping & Wang, Xici. (2012). A research of the influence of teaching understanding of solid geometry on mathematics teaching. *Journal of Mathematics Education. Education for All*. 5 (1), hlm. 159-165.