

DAFTAR PUSTAKA

- Abdullah, A. H., Abidin, N. L. Z., & Ali, M. (2015). Analysis of Students' Errors in Solving Higher Order Thinking Skills (HOTS) Problems for the Topic of Fraction. *Asian Social Science*. Vol. 11, No. 21, hlm. 133-142.
- Alawiyah, T. (2014). Pembelajaran untuk Meningkatkan Kemampuan Komunikasi dan Pemecahan Masalah Matematik. *Makalah Disajikan dalam Prosiding Seminar Nasional Pendidikan Matematika Program Pasca Sarjana STKIP Siliwangi Bandung 1*, hlm. 180-187.
- Arikunto, S. (2015). *Dasar-dasar Evaluasi Pendidikan*. Jakarta: Bumi Aksara.
- Ashlock. (2003). *Guiding Each Child's Learning of Mathematics*. Colombus: Bell Company.
- Astuti, V. S. (2015). The Effort of Increasing Learning Motivation of Eighth Grade Students in SMP Muhammadiyah 3 Yogyakarta with Applying Geometry Learning Based on Van Hiele Theory. *Proceeding of International Conference on Research, Implementation and Education of Mathematics and Sciences 2015 (ICRIEMS 2015), Yogyakarta State University, 17-19 May 2015*. Faculty of Mathematics and Sciences Yogyakarta State University.
- Atim, M. (2008). *Analisis Kesalahan Siswa dalam Menyelesaikan Soal Terapan Sistem Persamaan Linear Dua Variabel di Kelas X MAN Gresik*. Surabaya: Unesa. (Tesis).
- Borasi, R. (1987). Exploring Mathematics Through the Analysis of Errors. *For the Learning of Mathematics*. Vol. 7, No. 3, hlm. 2-8.
- BSNP. (2016). *Hasil UN SMP/MTs 2016: Kejujuran Meningkatkan, Capaian Siswa Perlu Ditingkatkan*. Catatan dari Konferensi Pers Hasil UN SMP Sederajat. Tersedia di: <http://bnsn-indonesia.org/?p=3227>
- Chambers, P. (2008). *Teaching Mathematics: Developing as A Reflective Secondary Teacher*. London, UK: Sage Publication.
- Clark, V. I. P., & Creswell, J.W. (2014). *Understanding Research*. Boston: Pearson.
- Clarkson, P. C. (1991). Language Comprehension Errors: A Further Investigation. *Mathematics Education Journal*. Vol. 3, No. 2, hlm. 24-33.

- Creswell, J. (2015). *Riset Pendidikan: Perencanaan, Pelaksanaan, dan Evaluasi Riset Kualitatif dan Kuantitatif Edisi Kelima*. Yogyakarta: Pustaka Pelajar.
- Creswell, J. W. (2002). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches*. Thousand Oaks: Sage Publication.
- Geldenhuys, J. L., Kruger, C., & Moss, J. (2013). Selected South African Grade 10 Learners' Perceptions of Two Learning Areas: Mathematical Literacy and Life Orientation. *Africa Education Review*. Vol. 10, No. 2, hlm. 298-322.
- Green, M., Piel, J. A., & Flowers, C. (2008). Reversing Education Majors' Arithmetic Misconceptions with Short-Term Instruction Using Manipulatives. *The Journal of Education Research*. Vol. 10, Iss. 4.
- Hangverdi, M., Semnani, A. S., & Seifi, M. (2012). The Relationship between Different Kinds of Students' Errors and the Knowledge Required to Solve Mathematics Word Problems. *Bolema: Boletim de Educacao Matematica*. Vol. 26, No. 42B, hlm. 649-665.
- Herholdt, R. (2014). An Error Analysis in the Early Grades Mathematics – A Learning Opportunity?. *South African Journal of Childhood Education*. Vol. 4, No. 1, hlm. 42-60.
- Hidayah, S. (2016). Analisis Kesalahan Siswa dalam Menyelesaikan Soal Cerita SPLDV Berdasarkan Langkah Penyelesaian Polya. *Prosiding Seminar Nasional Pendidikan Matematika*. Vol. 1, hlm. 182-190.
- Hidayat, B. R., Sugiarto, B., & Pramesti, G. (2013). Analisis Kesalahan Siswa dalam Menyelesaikan Soal pada Materi Ruang Dimensi Tiga Ditinjau dari Gaya Kognitif Siswa (Penelitian dilakukan di SMA Negeri 7 Surakarta Kelas X Tahun Ajaran 2011/2012). *Jurnal Pendidikan Matematika*. Vol. 1, No. 1, hlm. 39-46.
- Holmes, V. L., Miedema, C., & Nieuwkoop, L., & Haugen, N. (2013). Data-Driven Intervention: Correcting Mathematics Students' Misconceptions, not Mistakes. *The Mathematics Educator*, Vol. 23, No. 1, hlm. 24-44.
- Jha, S. K. (2012). Mathematics Performance of Primary School Students in Assam (India): An Analysis Using Newman Procedure. *International Journal of Computer Application in Engineering Science*. Vol. II, hlm. 17-21.

- Jumarniati, J., Pasandaran, R. F., & Riady, A. (2016). Kemampuan Literasi Matematika dalam Menyelesaikan Masalah Turunan Fungsi Trigonometri. *Journal of Mathematics Education*. Vol. 1, No. 2.
- Junaedi, I., dkk. (2015). Disclosure Causes of Students Error in Resolving Discrete Mathematics Problems Based on NEA as A Means of Enhancing Creativity. *International Journal of Education*. Vol. 7, No. 4, hlm. 31-42.
- Jupri, A., & Drijvers, P. (2016). Student Difficulties in Mathematizing Word Problems in Algebra. *Eurasia Journal of Mathematics, Science & Technology Education*. Vol. 12, No. 9, hlm. 2481-2502.
- Kamsiyati, S. (2013). Penerapan Model Pembelajaran Kooperatif untuk Meningkatkan Kemampuan Menyelesaikan Soal Cerita Matematika pada Siswa SD. *Paedagogia*. Vol. 16, No. 2, hlm. 165-176.
- KBBI. (2008). *Kamus Besar Bahasa Indonesia*. Jakarta: Pusat Bahasa Departemen Pendidikan Nasional.
- Krismanto, Al., & Rochmitawati. (2009). *Modul Matematika SMP Program Bermutu: Kapita Selektu Pembelajaran Aljabar di Kelas VII SMP*. Sleman: PPPPTK Matematika.
- Lenchner, G. (1983). *Creative Problem Solving in School Mathematics*. Boston: Houghton Mifflin Company.
- Loftus, S., Higgs, J., & Trede, F. (2011). Researching Living Practice: Trends in Creative Qualitative Research. Dalam Higgs, J., dkk. (Penyunting). *Creative Space for Qualitative Researching* (hlm. 3-12). Rotterdam: Sense Publisher.
- Luneta, K., Makonye, P. J. (2010). Learner Errors and Misconceptions in Elementary Analysis: A Case Study of Grade 12 Class in South Africa. *Acta Didactica Napocensia*. Vol. 3, No. 3, hlm. 35-44.
- Mardjuki. (1999). *Pembelajaran Soal Cerita dalam Matematika*. Yogyakarta: FMIPA UNY.
- Matic, L. J. (2014). Mathematical Knowledge of Non-Mathematics Students and Their Beliefs About Mathematics. *Mathematics Education*, 9(1), hlm. 13-24.
- Mikrayanti, M. (2016). Meningkatkan Kemampuan Penalaran Matematis melalui Pembelajaran Berbasis Masalah. *Suska Journal of Mathematics Education*. Vol. 2, No. 2, hlm. 97-102.

- Miller, A., Tobias, J., Safak, E., Kirwan, J. V., Enzinger, N., Wickstrom, M. H., & Baek, J. M. (2017). Preservice Teachers' Algebraic Reasoning and Symbol Use on a Multistep Fraction Word Problem. *International Journal for Mathematics Teaching and Learning*. Vol. 18, No. 1, hlm. 109-131.
- Miles, M. B., & Huberman, A. M. (1994). *An Expanded Sourcebook: Qualitative Data Analysis - Second Edition*. United States of America: Sage Publication.
- Moleong, L. J. (2015). *Metodologi Penelitian Kualitatif Edisi Revisi*. Bandung: PT Remaja Rosdakarya.
- Morris, L. L., & Gibbon, C. T. F. (1986). *How to Measure Achievement*. Beverly Hills, London: Sage Publicity.
- Mulyadi, Riyadi, & Subanti, S. (2015). Analisis Kesalahan dalam Menyelesaikan Soal Cerita pada Materi Luas Permukaan Bangun Ruang Berdasarkan Newman's Error Analysis (NEA) Ditinjau dari Kemampuan Spasial. *Jurnal Elektronik Pembelajaran Matematika*. Vol. 4, No. 4, hlm. 370-382.
- NCTM. (2000). *Principles and Standards for School Mathematics*. Reston, VA: Author.
- NCTM. (2010). Why is Teaching with Problem Solving Important to Student Learning? VA: NCTM. Tersedia di: <http://www.nctm.org/news/content.%20aspx?id=25713>
- Nesher, P. (1987). Towards an Instructional Theory: The Role of Students' Misconceptions. *For the Learning of Mathematics*. Vol. 7, No. 3, hlm. 33-39.
- Novferma, N. (2016). Analisis Kesulitan dan *Self-Efficacy* Siswa SMP dalam Pemecahan Masalah Matematika Berbentuk Soal Cerita. *Jurnal Riset Pendidikan Matematika*. Vol. 3, No. 1, hlm. 76-87.
- Nurhayati (2013). Penerapan Langkah-langkah Polya untuk Meningkatkan Hasil Belajar Siswa dalam Menyelesaikan Soal Cerita Himpunan di Kelas VII SMP Nasional Wani. *Jurnal Elektronik Pendidikan Matematika Tadulako*. Vol. 1, No. 1, hlm. 115-128.
- Oktorizal, S., & Elniati, S. (2012). Peningkatan Level Berpikir Siswa pada Pembelajaran Geometri dengan Pendekatan Pendidikan Matematika Realistik. *Jurnal Pendidikan Matematika*. Vo. 1, No. 1, hlm. 66.

- Permendikbud. (2016). Peraturan Menteri Pendidikan dan Kebudayaan No. 21 Tahun 2016 tentang Standar Isi Pendidikan Dasar dan Menengah.
- Permendikbud. (2016). Peraturan Menteri Pendidikan dan Kebudayaan No. 24 Tahun 2016 tentang Kompetensi Inti dan Kompetensi Dasar Matematika SMP/MTs.
- Pietersen, C. (2006). Evaluation of a Number Skills Development Programme. *South African Journal of Education*. Vo.: 26, No. 3, hlm. 413-426.
- Polya, G. (1973). *How To Solve It: A New Aspect of Mathematical Method*. Princeton, N. J.: Princeton University Press. Praktipong.
- Prakitipong, N., & Nakamura, S. (2006). Analysis of Mathematics Performance of Grade Five Students in Thailand Using Newman Procedure. *CICE Hiroshima University, Journal of International Cooperation in Education*. Vol. 9, No. 1, hlm. 111-122.
- Prihastuti, W. S., Hudiono, B., & Mirza, A. (2013). Pemecahan Masalah Matematis Siswa Ditinjau dari Tingkat Kemampuan Dasar Matematika. *Jurnal Pendidikan dan Pembelajaran*. Vol. 2, No. 12, hlm. 1-16.
- Prlitus, A. L. Marinus, B. T., & Idrus, P. (2016). Analisis Kemampuan Komunikasi Matematis Siswa Kelas VIII SMP Negeri 19 Palu dalam Memahami Volume Balok. *Jurnal Elektronik Pendidikan Matematika*. Vol. 3, No. 4, hlm. 465-477.
- Priyanto, A., Suharto, & Trapsilasiwi, D. (2015). Analisis Kesalahan Siswa dalam Menyelesaikan Soal Cerita Matematika Pokok Bahasan Teorema Pythagoras Berdasarkan Kategori Kesalahan Newman di Kelas VIII A SMP Negeri 10 Jember. *Artikel Ilmiah Mahasiswa*. Vol. 1, No. 1, hlm. 1-5.
- Putra, H. D., Thahiram, N. F., Ganiati, M., Nuryana, D. (2018). Kemampuan Pemecahan Masalah Matematis Siswa SMP pada Materi Bangun Ruang. *Jurnal Ilmiah Pendidikan Matematika (JIPM)*. Vol. 6, No. 2, hlm. 82-90.
- Ramdhani, A. N., Yuwono, I., & Muksar, M. (2016). Analisis Kesalahan Siswa Kelas VIII SMP Pada Materi Aljabar serta Proses Scaffolding-nya. *Jurnal Silogisme: Kajian Ilmu Matematika dan Pembelajarannya*. Vol. 1, No. 1, hlm. 11-22.
- Resmini, N., & Herman, T. (2013). Peningkatan Kompetensi Berbahasa dan Matematika Siswa Sekolah Dasar melalui Pembelajaran Terpadu Berbasis Masalah. *Jurnal Sekolah Dasar*. Vol. 14, Issue 2.

- Riccomini, P. J. (2005). Identification and Remediation of Systematic Error Patterns in Subtraction. *Clemson University*. Vol. 28, hlm. 233-242.
- Rindyana, B. S. B., & Chandra, T. D. (2012). Analisis Kesalahan Siswa dalam Menyelesaikan Soal Cerita Matematika Materi Sistem Persamaan Linear Dua Variabel Berdasarkan Analisis Newman (Studi Kasus MAN Malang 2 Batu). *Artikel Ilmiah Universitas Negeri Malang*.
- Rose, M. B. (2011). Learners' Errors and Misconceptions Associated with Common Fractions. *University of Johannesburg*. Dissertation.
- Ruseffendi, E. T. (1998) *Pengantar Kepada Membantu Guru Mengembangkan Kompetensinya dalam Pengajaran Matematika untuk Meningkatkan CBSA*. Bandung: Tarsito.
- Sarma, M. & Ahmed, M. (2013). A Study on The Difficulty of Teaching and Learning Mathematics in Under Graduate Level with Special Reference to Guwahati City. *International Journal of Soft Computing and Engineering*, 3(1), hlm. 409-412.
- Sepeng, P., & Sigola, S. (2013). Making Sense of Errors Made by Learners in Mathematical Word Problem Solving. *Mediterranean Journal of Social Sciences*. Vol. 4, No. 13, hlm. 325-333.
- Singh, P., Rahman, A. A., & Hoon, T. S. (2010). The Newman Procedure for Analyzing Primary Four Pupils Errors on Written Mathematical Tasks: A Malaysian Perspective. *International Conference on Mathematics Education Research 2010, Procedia Social and Behavioral Sciences*. Vol. 8, hlm. 264-271
- Smith, J. P., diSessa, A. A., & Roschelle, J. (1993). Misconceptions Reconciled: A Constructivist Analysis of Knowledge in Transition. *The Journal of the Learning Sciences*. Vol. 3, No. 2, hlm. 115-163.
- Subanji & Nusantara, T. (2016). Thinking Process of Pseudo Construction in Mathematics Concepts. *International Education Studies*. Vol. 9, No. 2, hlm. 17-31.
- Sugiyono. (2017). *Metode Penelitian Pendidikan: Pendekatan Kuantitatif, Kualitatif, dan R&D*. Bandung: Alfabeta.
- Suharsaputra, U. (2012). *Metode Penelitian: Kuantitatif, Kualitatif dan Tindakan*. Bandung: PT Refika Aditama.
- Taqiyuddin, M. (2016). *Miskonsepsi Siswa Sekolah Menengah Pertama pada Topik Pertidaksamaan Linear Satu Variabel*. (Skripsi). Fakultas

Pendidikan Matematika dan Ilmu Pengetahuan Alam, Universitas Pendidikan Indonesia, Bandung.

- Tong, D. H., & Loc, N. P. (2017). Students' Error in Solving Mathematical Word Problems and Their Ability in Identifying Errors in Wrong Solutions. *European Journal of Education Studies*. Vol. 3, No. 6, hlm. 226-241.
- Trance, N. J. C. (2013). Process Inquiry: Analysis of Oral Problem-Solving Skills in Mathematics of Engineering Student. *US-China Education Review*. Vol. 3, No. 2, hlm. 73-82.
- Verschaffel, L., van Dooren, W., Greer, B., & Mukhopadhyay, S. (2010). Reconceptualising Word Problems as Exercises in Mathematical Modelling. *Journal Fur Mathematik-Didaktik*. Vol. 31, No. 1, hlm. 9-29.
- Wang, A. Y., Fuchs, L. S., & Fuchs, D. (2016). Cognitive and Linguistic Predictors of Mathematical Word Problems with and without Irrelevant Information. *Vanderbilt University, Department of Special Education: Learning and Individual Differences*. 52, hlm. 79-87.
- White, A. L. (2010). Numeracy, Literacy and Newman's Error Analysis. *Journal of Science and Mathematics Education in Southeast Asia 2010*. Vol. 33, No. 2, hlm. 129-148.
- Yin, R. K. (2003). *Applications of Case Study Research: Second Edition*. Californias: Sage Publication, Inc.
- Yunarni, A., Dassa, A., & Asdar, A. (2015). Profil Pemahaman Notasi Aljabar Ditinjau dari Kemampuan Verbal Siswa di Kelas V Sekolah Dasar. *Journal Daya Matematis*. Vol. 3, No. 1, hlm. 1-9.