

DAFTAR PUSTAKA

- Abraham, Michael R. Renner, John W. Grzybowski, E. B., & Marek, E. a. (1992). Understandings and misunderstandings of eighth graders of four physics concepts found in textbooks. *Journal of Research in Science Teaching*, 27(1), 35–54. <https://doi.org/10.1002/tea.3660270105>
- Akdeniz, A.R. & Bektaş, U. & Yiğit, N. (2000). *The 8th grade students . Levels of understanding the introduetory physics concepts*. 2(502769), 5–14.
- Akib, I. (2016). *Implementasi Teori Belajar Robert Gagne Dalam Pembelajaran Konsep Matematika (Suatu Alternatif Kegiatan Mengajar Belajar Konsep Matematika (Issue August)*. Universitas Muhammadiyah Makasar.
- Alghazo, Y. M., & Alghazo, R. (2017). Exploring Common Misconceptions and Errors about Fractions among College Students in Saudi Arabia. *International Education Studies*, 10(4), 133. <https://doi.org/10.5539/ies.v10n4p133>
- Altun, A. (2014). *Undergraduate Students ' Academic Achievement , Field Dependent / Independent Cognitive Styles and Attitude toward Computers Undergraduate Students ' Academic Achievement , Field Dependent / Independent Cognitive Styles and Attitude toward Computers Arif . January 2006*.
- Amien, M. (1990). *Pemetaan konsep: Suatu Teknik untuk Meningkatkan Belajar yang Bermakna*. Mimbar Pendidikan.
- Anggoro, B. S. (2015). Pengembangan Modul Matematika Dengan Strategi Problem Solving untuk Mengukur Tingkat Kemampuan Berpikir Kreatif Matematis Siswa. *Al-Jabar: Jurnal Pendidikan Matematika*, 6(2), 121–129. <http://ejournal.radenintan.ac.id/index.php/al-jabar/article/view/25/436>
- Ausubel, D. P. (1968). *Educational psychology: A cognitive view*. Holt, Rinehart & Winston.
- Baki, A. (1999). *Evaluating the operation errors related to algebra, III. National Science Education Symposium proceedings book*. MEB Publications.
- Battista, M. T. (2012). *Cognition-Based Assessment and Teaching of Fraction*. Portsmouth.
- Bennet, A. B., Burton, L. J., & Nelson, L. T. (2010). *Mathematics for elementary teachers*. McGraw-Hill.
- Bogdan, R. C. B. K. S. (1982). *Qualitative Research for Education: An Introduction to Theory and Methods*. Allyn and Bacon, Inc.

- Bruce, C., Chang, D., & Flynn, T. (2013). Foundations to learning and teaching fractions : Addition and subtraction literature review. *Ontario Ministry of Education, Curriculum and Assessment Branch*, 1–53.
- Cox, A. J., & Junkin III, W. F. (2002). Enhanced student learning in the introductory physics laboratory. *Physics Education*, 37(1), 37.
- Creswell, J. W. (2012). *Educational research: Planning, conducting, and evaluating quantitative and qualitative research fourth edition*. Pearson Inc.
- Demircioğlu, H., Demircioğlu, G., & Ayas, A. (2004). Sınıf Öğretmeni Adaylarının Bazı T E M E L Kimya Kavramlarını a N L a M a Düzeyleri V E Karşılaşılan Yanılgılar. *HAYEF Journal of Education*, 1, 29–49.
- Desmita. (2014). *Psikologi Perkembangan*. Remaja Rosda Karya.
- Dewey, J. (2003). *Dasar-Dasar Ilmu Pendidikan*. PT Raja Grafindo Persada.
- Drews, D., Dudgeon, J., Hansen, A., Lawton, F., & Surtees, L. (2005). *Children's Errors in Mathematics: Understanding Common Misconceptions in Primary Schools*. SAGE.
- Eggen, P & Kauchak, P. D. (1997). *Educational Psychology*. Prentice Hall, NJ, Upper Saddle River, New Jersey.
- Eryılmaz, A., & Sürmeli, E. (2002). *Uc-Asamah Sorularla Ogrencilerin Isi ve Sicakhk Konulanndaki Kavram Yanilgilannin Olculmesi*.
- Fataturrohman, A., Masykur, R., & Suherman. (2017). Pengaruh Model Cinta Berbantu Media Tangram. *Seminar Nasional Matematika Dan Pendidikan Matematika UIN Raden Intan Lampung*.
- Fidan, N. (1999). *Okulda öğrenme ve öğretme*. Alkım Yayınevi.
- Hamalik, O. (2001). *Proses Belajar Mengajar*. Bumi Aksara.
- Hammer, D. (1996). More than misconceptions: Multiple perspectives on student knowledge and reasoning, and an appropriate role for education research. *American Journal of Physics*, 64(10), 1316–1325. <https://doi.org/10.1119/1.18376>
- Hasan, S., Bagayoko, D., & Kelley, E. L. (1999). Misconceptions and the certainty of response index (CRI). *Physics Education*, 34(5), 294–299. <https://doi.org/10.1088/0031-9120/34/5/304>
- Ibrahim, M. (2012). *Konsep, Miskonsepsi dan Cara Pembelajarannya*. Unesa University Press.

- Kaasila, R., Pehkonen, E., & Hellinen, A. (2010). Finnish pre-service teachers' and upper secondary students' understanding of division and reasoning strategies used. *Educational Studies in Mathematics*, 73(3), 247–261.
- Karso. (2019). Pembelajaran Matematika di SD. *Pendidikan Matematika I*, 1–66.
- Kemendikbud. (2012). *Kemampuan Matematika Siswa SMP Indonesia*.
- Kemendikbud. (2014). *Peraturan Menteri Pendidikan Dan Kebudayaan Republik Indonesia Nomor 58 Tahun 2014 Tentang Kurikulum 2013 Sekolah Menengah Pertama/ Madrasah Tsanawiyah*.
- Koll, Hilary & Mills, S. (2015). *Understanding Maths: Problem Solving* (2nd ed.). Schofield & Sims Limited.
- Leinhardt, G., Stein, M. K., & Zaslavsky, O. (1990). Functions, Graphs, and Graphing: Tasks, Learning, and Teaching. *Review of Educational Research*, 60(1), 1–64. <https://doi.org/10.3102/00346543060001001>
- Lestari, K. E., & Yudhanegara, M. R. (2015). Penelitian pendidikan matematika. *Bandung: PT Refika Aditama*, 2(3).
- Luneta, K., & Makonye, P. J. (2010). Learner Errors and Misconceptions in Elementary Analysis : A Case Study of a Grade 12 Class in South Africa. *Acta Didactica Napocensia*, 3(3), 35–45.
- Meşeci, B., Tekin, S., & Karamustafaoğlu, S. (2013). Maddenin tanecikli yapısıyla ilgili kavram yanlışlarının tespiti. *Dicle Üniversitesi Sosyal Bilimler Enstitüsü Dergisi*, 9, 20–40.
- Mestre, J. (1987). *Why should mathematics and science teachers be interested in cognitive research findings?* *Academic Connections*. The College Board.
- Miles, M., Huberman, M., & Saldana, J. (2014). *Qualitative data analysis. A methods sourcebook [PDF digital edition 3]*.
- Moeloeng, L. (2011). *Metodologi Penelitian Kualitatif*.
- Mosik, P. M. (2010). Usaha Mengurangi Terjadinya Miskonsepsi Fisika Melalui Pembelajaran Dengan Pendekatan Konflik Kognitif. *Jurnal Pendidikan Fisika Indonesia*, 6(2), 98–103. <https://doi.org/10.15294/jpfi.v6i2.1120>
- NCTM. (2000). *Principles and Standards for School Mathematics*. United States of America. The National Council of Teachers of Mathematics, Inc.
- Nesher, P. (1987). Towards an instructional theory: The role of student's misconceptions. *For the Learning of Mathematics*, 7(3), 33–40.

- Ojose, B. (2015). *Students' Misconceptions in Mathematics: Analysis of Remedies and What Research Says*. 72, 30–34.
- Olivier, A. (1992). Handling Pupils' Misconceptions. *Mathematics Education for Pre-Service and In-Service*, July, 193–209.
- Panel, N. M. A. (2008). *Foundations for success: The final report of the National Mathematics Advisory Panel*. US Department of Education.
- Rusmana, I. M. (2015). Efektifitas Penggunaan Media ICT dalam Peningkatan Pemahaman Konsep Matematika. *Formatif: Jurnal Ilmiah Pendidikan MIPA*, 2(3).
- Sanjaya, W. (2019). *Strategi pembelajaran berorientasi standar proses pendidikan*.
- Schoenfeld, A. H. (2006). *Mathematics Teaching and Learning*.
- Siegler, R. S., Thompson, C. A., & Schneider, M. (2011). An integrated theory of whole number and fractions development. *Cognitive Psychology*, 62(4), 273–296.
- Simatwa, E. M. W. (2010). Piagets theory of intellectual development and its implication for instructional management at pre-secondary school level. *Educational Research and Reviews*, 5(7), 366–371.
- Skemp, R. R. (2012). *The psychology of learning mathematics: Expanded American edition*. Routledge.
- Smith, J. P. (1993). *Misconceptions Reconceived: A Constructivist Analysis of Knowledge in Transition Misconceptions Reconceived Misconceptions Reconceived: A Constructivist Analysis of Knowledge in Transition John P. Smith, III College of Education Michigan State Univers. November*. <https://doi.org/10.1207/s15327809jls0302>
- Streefland, L. (1991). *Fractions in realistic mathematics education: A paradigm of developmental research* (Vol. 8). Springer Science & Business Media.
- Subanji, R., & Supratman, A. M. (2015). The Pseudo-Covariational Reasoning Thought Processes in Constructing Graph Function of Reversible Event Dynamics Based on Assimilation and Accommodation Frameworks. *Research in Mathematical Education*, 19(1), 61–79. <https://doi.org/10.7468/jksmed.2015.19.1.61>
- Subanji, S., & Nusantara, T. (2016). Thinking Process of Pseudo Construction in Mathematics Concepts. *International Education Studies*, 9(2), 17. <https://doi.org/10.5539/ies.v9n2p17>

- Sugiyono, P. (2011). *Metodologi penelitian kuantitatif kualitatif dan R&D*. Alfabeta, Bandung.
- Sumardiyono. (2004). *Karakteristik Matematika dan Implementasinya Terhadap Pembelajaran Matematika*. Depdiknas.
- Suparno, P. (2001). *Filsafat Konstruktivisme Dalam Pendidikan*. Kanisius.
- Suparno, P. (2005). *Miskonsepsi & Perubahan Konsep Pendidikan Fisika*. Grasindo.
- Suparno, P. (2013). *Miskonsepsi dan Perubahan Konsep Pendidikan Fisika*. Gramedia Widiasarana Indonesia.
- Suryowati, E. (2015). Kesalahan Siswa Sekolah Dasar Dalam Merepresentasikan Pecahan Pada Garis Bilangan. *AKSIOMA Journal of Mathematics Education*, 4(1), 38–52. <https://doi.org/10.24127/ajpm.v4i1.67>
- Syazali, M. (2015). Pengaruh Model Pembelajaran Creative Problem Solving Berbantuan Maple II Terhadap Kemampuan Pemecahan Masalah Matematis. *Jurnal Pendidikan Matematika*, 6(1), 91–98.
- Thompson, F., & Logue, S. (2006). An exploration of common student misconceptions in science. *International Education Journal*, 7(4), 553–559.
- Trianto. (2007). *Model Pembelajaran Inovatif*. Bumi Aksara.
- Uno, B. H. (2010). *Teori Motivasi dan Pengukurannya*. Bumi Aksara.
- UU RI. (2003). *Undang-undang Reepublik Indonesia Tahun 2003 Tentang Sistem Pendidikan Nasional*.
- Wong, M., & Evans, D. (2007). Students' conceptual understanding of equivalent fractions. *Mathematics: Essential Research, Essential Practice (Proceedings of the 30th Annual Conference of the Mathematics Education Research Group of Australasia)*, 2, 824–833.
- Yağbasan, Rahmi Gülçiçek, Ç. (2003). Fen Öğretiminde Kavram Yanılgılarının Karakteristiklerinin Tanımlanması. *Kaos GL Dergisi*, 2003(76), 147–173.