

## DAFTAR PUSTAKA

- Abraham, et. al. (1992). *Understanding and misunderstanding of eight grades of five chemistry concept in textbook*. National Association for Research in Science Teaching. John Wiley and Sons.
- Akgun, L., Ozdemir, M. (2006). *Students' understanding of the variable as general number and unknown: a case study*. The Teaching of Mathematics Vol. IX No.1 (pp. 45-51).
- Anggraena, Y. (2016). *Modul Matematika SMP untuk Guru Pembelajar*. Direktorat Jenderal Guru dan Tenaga Kependidikan, Kementerian Pendidikan dan Kebudayaan.
- Allen, G.D. (2007). *Common misconceptions in basic mathematics*. Department of Mathematics. Texas A&M University.
- Arikunto, S. (2010). *Prosedur Penelitian: Suatu Pendekatan Praktik*. Yogyakarta: Rineka Cipta
- Biber, C., Tuna A., Korkmaz, S. (2013). *The mistakes and the misconceptions of the eighth grade students on the subject of angles*. European Journal of Science and Mathematics Education Vol.1 No.2 (pp 50-59).
- Blum, W. & Ferri, R. (2009). Modelling: can it be taught and learnt? *Journal of Mathematical Modelling and Application*. Vol.1 No.1
- Booth, L.R. (1988). Children's difficulties in beginning algebra. In Coxford A.F and Shulte A.P. (Eds) *The Ideas of Algebra, K-12*. Reston, VA: NCTM.
- Creswell, J.W. (2012). *Educational Research: Planning, Conducting and Evaluating Quantitative and Qualitative Research*. Fourth Edition. Boston: Pearson Education Inc.
- Creswell, J.W., Clark, V. L. P. (2007). *Designing and Conducting Mixed Methods Research*. California: Sage
- Clement, J. (1982). Algebra word problems solutions: thought processes underlying a common misconception. *Journal for Research in Mathematics Education*. Vol 1. No. 13
- Djamarah, S.B. (2008). *Psikologi Belajar*. Rineka Cipta. Jakarta.

- Edogawatte, G. (2011). *Secondary school students' misconceptions in algebra*. University of Toronto.
- Fardinasari, A. (2013). *Analisis kesalahan siswa dalam melakukan operasi aljabar*. Skripsi. Universitas Muhammadiyah Ponorogo.
- Filloy, E., Rojano, T. (1989). Solving equations: the transitions from arithmetic to algebra. *For the Learning of Mathematics*, Vol. 9, No. 2
- Filloy, E., Rojano, T., & Solares, A. (2004). Arithmetic/algebraic problem-solving and the representation of two unknown quantities. *Proceedings of the 28<sup>th</sup> Conference of the International Group for the Psychology of Mathematics Education*. Vol. 2 No. 1
- Gagne, R.M. (1983). Some issues in the psychology of mathematics instruction. *Journal for Research in Mathematics Education*. Vol. 14 No. 1
- Herutomo, R A., Saputro ,T E M. (2014) Analisis kesalahan dan miskonsepsi siswa kelas VIII pada materi aljabar. *Edusentris Jurnal Ilmu Pendidikan dan Pengajaran* Vol.1 134-145
- Jupri, A., Drijvers, P. & Heuvel-Panhuizen. (2014). Difficulties in initial algebra learning in indonesia. *Mathematics Education Research Journal* Vol. 26 (4) 683-710
- Kennedy, L.M., Tipps. S. (1994). *Guiding Children's Learning of Mathematics*. Wadsworth Publishing Company.
- Kieran, C. (1981). Concepts Associated with the equality symbol. *Educational Studies in Mathematics*. Vol.3 No.12
- Kuchemann, D. (1978). *Childrens's understanding of numerical variables*. *Mathematics in School* Vol.7 No.4 (pp. 23-26)
- Lucariello, J., Tine, M., Ganley, C. (2014). *A formative assessment of students' algebraic misconceptions*. *Journal of Mathematical Behaviour* (pp. 20-41)
- Moleong, L.J. 2011. *Metodologi Penelitian Kualitatif*. Bandung: Remaja Rosdakarya
- Mulungye, M., O'Connor, M., Ndethiu,S. (2016) *Sources of errors and misconceptions in algebra and effectiveness of classroom practice remediation in Machakos County-Kenya*. *Journal of Education and Practice* Vo.7, No.10 (pp. 31-33)

- Nelson Mathematics Secondary Year Two Cycle One. Parts of an Algebraic Expression. Diakses dari [www.nelson.com](http://www.nelson.com), Selasa, 6 Februari 2018.
- Ozerem, S. (2012). *Misconceptions in geometry and suggested solutions for seventh grade students*. Int. J. New Trends Arts Sports Sci. Educ (pp 23-35).
- Permendikbud No.24 Tahun 2016 Lampiran 15.
- Philip, R. (1992). *The many uses of algebraic variables*. The Mathematics Teacher. Vol. 81 No. 6 (pp.420-427).
- Savitri, M.E., Mardiyana., Subanti.S. (2016). *Analisis miskonsepsi siswa pada materi pecahan dalam bentuk bentuk aljabar ditinjau dari gaya kognitif siswa kelas VIII di SMP Negeri 2 Adimulyo Kabupaten Kebumen Tahun Ajaran 2013/2014*. Jurnal Elektronik Pembelajaran Matematika. Vol.4, No.4 (pp 401-413).
- Schoenfeld, A.H., Arcavi, A. (1988). *On the meaning of variables*. The Mathematics Teacher. Vol. 81 No. 6 (pp.420-427).
- Shadiq, F. (2008). *Empat objek langsung matematika menurut gagne*. Diakses dari <https://fadjarp3g.files.wordpress.com>, diakses 27 Desember 2017.
- Skemp, R.R. (2005). *Relational understanding and instrumental understanding*. Department of Education, University of Warwick.
- Soedjadi, R. (2000) *Kiat Pendidikan Matematika di Indonesia*. Kementerian Pendidikan dan Kebudayaan.
- Sternberg, R.J. (2008). *Psikologi Kognitif*. Pustaka Pelajar. Yogyakarta.
- Stake, Robert. (2010). *Qualitative research: studying how things work*. London: The Guilford Press
- Sugiyono. (2011). *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif, dan R&D*. Alfabeta. Bandung.
- Suparno, Paul. (2013). *Miskonsepsi dan Perubahan Konsep pada Fisika*. Grasindo. Jakarta.
- Taqiyuddin, M., Sumiaty, E., Jupri, A. (2017). *Miskonsepsi siswa sekolah menengah pertama pada topik pertidaksamaan linear satu variabel*. Departemen Pendidikan Matematika. Universitas Pendidikan Indonesia. Jurnal Pendidikan Matematika Indonesia. Vol.1 No. 1

- Usiskin, Z. (1995). *Why is algebra important to learn*. American Federation of Teacher.
- Usiskin, Z. (1998). Conception of School Algebra and Uses of Variables. In *Algebraic Thinking, Grades K-12: Readings from NCTM's School-Based Journals and Other Publication*. Reston, Va: National Council of Teachers of Mathematics (pp 7-13)
- Van den Heuvel-Panhuizen, M., & Drijvers, P. (2014). Realistic Mathematics Education. In S.Lerman (Ed). *Encyclopedia of Mathematics Education* (pp.521-525) Springer
- Wagiyo. (2014). *Buku Guru Matematika Kelas VII (edisi revisi)*. Kementerian Pendidikan dan Kebudayaan.
- Wahid, Hartoyo. A., Mirza, A. (2013). *Miskonsepsi siswa pada materi operasi pada bentuk aljabar kelas VII SMP Haebat Islam*. Program Studi Pendidikan Matematika FKIP Untan, Pontianak.
- Wardani, E.P., Mardiyana, Subanti. S., (2016) *Analisis miskonsepsi siswa pada materi pokok lingkaran ditinjau dari kesiapan belajar dan gaya berpikir siswa kelas XI IPA SMA N 3 Surakarta tahun ajaran 2013/2014*. Jurnal Elektronik Pembelajaran Matematika. Vol.4, No.4 (pp 328-340).
- Zevenbergen, R., Dole,S., & Wright, R.J. (2004). *Teaching Mathematics in Primary Schools*. Australia: Allen & Unwin.