

DAFTAR PUSTAKA

- Akkoc, H. & Tall, D. (2005). A mismatch between curriculum design and student learning: the case of the function concept. Dalam D. Hewitt & A. Noyes (Penyunting). *Proceedings of The Sixth British Congress of Mathematics Education* (hlm. 1-8). UK: University of Warwick.
- Ary, D., Jacobs, L. C., & Sorensen, C. K. (2010). *Introduction to Research in Education*. (Edisi Kedelapan). Wadsworth: Wadsworth Cengage Learning.
- Ayalon, M., Watson, A., & Lerman, S. (2016). Reasoning about variables in 11 to 18 years old: informal, schooled and formal expression in learning about functions. *Math Ed Res J*, 28, hlm 379-404. Mathematics Education Research Group of Australia: Springer.
- Bartle, R. G. & Sherbert, D. R. (2000). *Introduction to Real Analysis*. (Edisi Ketiga). Singapore: John Wiley & Sons, Inc.
- Biehler, R. (2005). Reconstruction of meaning as a didactical task: the concept of function as an example. *Meaning in Mathematics Education, Mathematics Education Library*, 37, hlm 61-81.
- Brousseau, G. (2002). *Theory of Didactical Situations in Mathematics*. Dordrecht: Kluwer Academic Publishers.
- Carlson, M. & Oehrtman, M. (2005). Research sampler 9: key aspects of knowing and learning the concept of function. *The Mathematical Association of America Notes*. [Online]. Diakses dari https://www.maa.org/t_and_1/sampler/rs_9.html.
- Creswell, J. W. (2007). *Qualitative Inquiry & Research Design: Choosing Among Five Approaches*. (Edisi Kedua). California: Sage Publications, Inc.
- Creswell, J. W. (2016). *Research Design: Pendekatan Metode Kualitatif, Kuantitatif, dan Campuran*. (Edisi Keempat). Yogyakarta: Pustaka Pelajar.
- Dedy, E. & Sumiyati, E. (2017). Desain didaktis bahan ajar matematika SMP berbasis *learning obstacles* dan *learning trajectory*. *Jurnal Review Pembelajaran Matematika*, 2 (1), hlm. 69-80.
- Dewey, J. (1910). *How We Think*. New York: D. C. Heath & Co. Publishers.
- Djumanta, W. & Sudrajat, R. (2008). *Mahir Mengembangkan Kemampuan Matematika untuk kelas XI Program Ilmu Pengetahuan Alam*. Jakarta: PT Setia Purna Inves.
- Elia, dkk. (2008). Exploring different aspects of the understanding of function: toward a four facet model. *Canadian Journal of Science, Mathematics, and Technology Education*, 8 (1), hlm. 49-69.
- Elia, I., Gagatsis, A., & Gras, R. (2005). Can we “trace” the phenomenon of compartmentalization by using the implicative statistical method of analysis? An application for the concept of function. *Proceedings of Third*

- International Conference I.S.A. Implicative Statistic Analysis* (hlm. 175-185). Palermo, Italy: Universita degli Studi di Palermo.
- Friesen, N., Henriksson, C., & Saevi, T. (Penyunting). (2012). *Hermeneutic Phenomenology in Education*. AW Rotterdam: Sense Publishers.
- Gagatsis, A. (2012). Compartmentalization in Learning. Dalam N.M. Seel (Penyunting), *Encyclopedia of the Sciences of Learning* (hlm. 665-668). New York: Springer.
- Ghasemi, dkk. (2011). Ricouer's theory of interpretation: a method for understanding text (course text). *World Applied Sciences Journal*, 15 (11), hlm. 1623-1629.
- Harel, G. (2008). What is mathematics? A pedagogical answer to a philosophical question. Dalam B. Gold & R. A. Simons (Penyunting). *Proof and Other Dilemmas: Mathematics and Philosophy* (hlm. 265-290). Mathematical Association of America.
- Hatisaru, V. & Erbas, A. K. (2010). Students' perception of the concept of function: the case of Turkish students attending vocational high school on industry. *Procedia Social and Behavioural Sciences* (hlm. 3921-3925). Turkey: WCES.
- Istiqomah, D. N. (2015). Learning obstacles terkait kemampuan problem solving pada konsep fungsi matematika SMP. *Makalah dalam Seminar Nasional Matematika dan Pendidikan Matematika UNY* (hlm. 407-412).
- Jones, M. (2006). *Demystifying Functions: The Historical and Pedagogical Difficulties of the Concept of the Function*. San Antonio: Trinity University Mathematics.
- Kakkori, L. (2009). Hermeneutics and phenomenology problems when applying hermeneutic phenomenological method in educational qualitative research. *Paideusis*, 18 (2), hlm. 19-27.
- Kementerian Pendidikan dan Kebudayaan. (2014). *Matematika SMA/MA/SMK/ MAK Kelas X Semester 1*. Jakarta: Pusat Kurikulum dan Perbukuan, Balitbang, Kemendikbud.
- Kementerian Pendidikan dan Kebudayaan. (2016). *Silabus Mata Pelajaran Matematika Sekolah Menengah Atas/Madrasah Aliyah/Sekolah Menengah Kejuruan/Madrasah Aliyah Kejuruan (SMA/MA/SMK/MAK)*. Jakarta: Kemendikbud.
- Kementerian Pendidikan dan Kebudayaan. (2017). *Matematika untuk SMA/MA/SMK/MAK Kelas X*. (Edisi Revisi 2017). Jakarta: Pusat Kurikulum dan Perbukuan, Balitbang, Kemendikbud.
- Kilpatrick, J., Swafford, J., & Findell, B. (Penyunting). (2001). *Adding It Up*. Washington, DC: National Academy Press.
- Kilpatrick, J., dkk. (Penyunting). (2005). *Meaning in Mathematics Education*. New York: Springer.

- Kleiner, I. (2014). Evolution of the function concept: a brief survey. *The College Mathematics Journal*, 20 (4), hlm. 282-300.
- Kuswarno, E. (2009). *Metodologi Penelitian Komunikasi Fenomenologi*. Bandung: Widya Padjadjaran.
- Lauritzen, P. (2012). *Conceptual and Prosedural Knowledge of Mathematical Functions*. (Disertasi). University of Eastern Finland, Joensuu.
- Lindseth, A. & Norberg, A. (2004). A phenomenological hermeneutical method for researching lived experience. *Scand J Caring Sci*, 18, hlm. 145-153.
- Malik, M. A. (1980). Historical and pedagogical aspect of the definition of function. *International Journal of Mathematics Education Science and Technology*, 11 (4), hlm. 489-492.
- Moleong, L. J. (2012). *Metode Penelitian Kualitatif*. (Edisi Revisi). Bandung: PT Remaja Rosdakarya.
- NCTM. (1989). *Curriculum and Evaluation Standards for School Mathematics*. Reston, VA: NCTM.
- NCTM. (2000). *Executive Summary Principles and Standards for Schools Mathematics*. Reston, VA: NCTM.
- Noormandiri, B. K. (2007). *Matematika untuk SMA Kelas XI Program Ilmu Pengetahuan Sosial*. Jakarta: Erlangga.
- Panaoura, A., Paraskevi, M., & Philippou, A. (2015). Teaching the concept of function: definition and problem solving. *Proceedings of the Ninth Congress of European Society for Research in Mathematics Education* (hlm. 440-445). Prague, Czech Republic.
- Permendikbud Nomor 59. (2014). *Pedoman Mata Pelajaran Matematika SMA*. Jakarta: Kemendikbud.
- Radford, L. (2008). Theories in mathematics education: a brief inquiry in their conceptual differences. *Working Paper for ICMI Survey Team 7. The Notion and Role of The Theory in Mathematics Education Research*. [Online]. Diakses dari <http://www.luisradford.ca/publications/>.
- Rahardjo, M. (2008). *Dasar-Dasar Hermeneutika*. Yogyakarta: Ar-Ruzz Media.
- Regan, P. (2012). Hans-Georg Gadamer's philosophical hermeneutics: concept of reading, understanding and interpretation. *Meta: Research in Hermeneutics, Phenomenology, and Practical Philosophy*, 4 (2), hlm. 286-303.
- Septyawan, S. R. (2017). Analisis *learning obstacles* konsep fungsi pada pembelajaran matematika siswa sekolah menengah atas. *Makalah Mata Kuliah Seminar Pendidikan Matematika*, Mei 2017.
- Sfard, A. (1991). On the dual nature of mathematical conceptions: reflections on processes and objects as different sides of the same coin. *Educational Studies in Mathematics*, 22 (1), hlm. 1-36.
- Sierpinska, A. (1994). *Understanding in Mathematics*. London: The Falmer Press.

- Sugiyono. (2012). *Memahami Penelitian Kualitatif*. Bandung: Alfabeta.
- Suryadi, D. (2010). Menciptakan proses belajar aktif: kajian dari sudut pandang teori belajar dan teori didaktik. *Makalah dalam Seminar Nasional Pendidikan Matematika UNP*, 9 Oktober 2010.
- Suryadi, D. (2018). Landasan filosofis penelitian desain didaktis (DDR). *Makalah Bahan Diskusi di Lingkungan Departemen Pendidikan Matematika FPMIPA UPI*, Januari 2018.
- Suryadi, D. (2018). Ontologi dan epistemologi dalam penelitian desain didaktis (DDR). *Makalah Bahan Diskusi di Lingkungan Departemen Pendidikan Matematika FPMIPA UPI*, Februari 2018.
- Takwin, B. (2011). *Fenomenologi Hermeneutik*. [Online]. Diakses dari http://staff.ui.ac.id/system/files/users/bagus-t/material/fenomenologi_hermeneutik.doc.
- Tall, D., McGowen, M., & DeMarois, P. (2000). The function machine as a cognitive root for the function concept. *Proceedings of 22nd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (hlm. 255-261). Tucson, Az: Educational Resources Information Center.
- Tall, D. & Vinner, S. (1981). Concept image and concept definition in mathematics with particular reference to limits and continuity. *Educational Studies in Mathematics*, 12, hlm. 151-169.
- Tan, H., Wilson, A., & Olver, I. (2009). Ricoeur theory of interpretation: an instrument for data interpretation in hermeneutic phenomenology. *International Journal of Qualitative Methods*, 8 (4), University of Alberta.
- Uriarte, F. A. (2008). *Introduction to Knowledge Management*. Jakarta: ASEAN Foundation.
- Vinner, S. (1983). Concept definition, concept image and the notion of function. *International Journal of Mathematical Education in Science and Technology*, 14 (3), hlm. 293-305.
- Vinner, S. & Dreyfus, T. (1989). Images and definitions for the concept of function. *Journal for Research in Mathematics Education*, 20 (4), hlm. 356-366.