

DAFTAR PUSTAKA

- Anagun, Sengul S. & M. Ozden. (2010). Teacher Candidates' Perceptions Regarding Socio-scientific issues and Their Competencies in Using Socio-scientific issues in Science and Technology Instruction. *Journal of Procedia Social and Behavioral Science*.9(1), 981-985.
- Arikunto, S. (2010). *Prosedur Penelitian Suatu Pendekatan Praktek*. Jakarta: PT. Rineka Cipta
- Aufschnaiter, C., Eduran, S., Osborne, J., & Simon, S. (2008) Arguing to learn and learning to argue: case studies of how students' argumentation relates to their scientific knowledge. *Journal of Research in Science Teaching*, 45 (1), hlm. 101-131
- Dahar, R.W. (2006). *Teori-Teori Belajar & Pembelajaran*. Jakarta: Erlangga
- Dawson , V.M., & Venville, G. (2010). Teaching strategies for developing student's argumentation skill about socioscientific issues in high school genetics. *Reasearch in Science Education*, 40, hlm. 133-148
- Dawson, V.M. & Venvile, G.J. (2009). High-school students' informal reasoning and argumentation about biotechnology: An indicator of scientific literacy?. *Journal of Research in Science Teaching*, 31 (11), hlm. 1421-1445
- Dawson, V.M. & Venvile, G.J. (2013). Introducing high school biology students to argumentation about sosioscientific Issues. *Routledge Taylor & Francis Group*, 13 (4), hlm. 356-372
- Desmita. (2010). *Psikologi Perkembangan*. Bandung: PT. Remaja Rosdakarya.
- Driver, R., Newton, P., & Osborne, J. (2000). Establishing the norms of socioscientific argumentation in classrooms. *Science Education*, 84 (3), hlm. 287-312
- Duschl, R. (2008) Science education in three-part harmony: Balancing conceptual , epistemic, and social learning goals. *Sage Journals*, hlm. 268-291
- Eemeren, V., Houtlosser, P., & Henkemans, A. (2007). *Indicators of Starting Points for Discussion*, Netherlands: Springerlink
- Ellie & Omrod (2007). *Educational Psychology Developing Learners*. Pearson
- Erduran, S. & Maria, P.J. (2008). *Argumentation in Science Education*. London: Springer.

- Eskin, H. & Feral O.B. (2013). Argumentation as a strategy for conceptual learning of dynamics. *Springer Science*, 43, 1939-1956
- Geary, D. C., dkk. (2000). Numerical and Arithmetical Cognition: A Longitudinal Study of Process and Concept Deficit in Children with Learning Disability. *Journal of Experimental Child Psychology*. 77, hlm. 236-263.
- Goel, V., Dolan, R.J. (2004). Differential involvement of left prefrontal cortex in inductive and deductive reasoning. *Cognition*, 93(3)
- Inch, E.S., Warnick, B., Endres, D. (2006). *Critical Thinking and Communication : The Use of Reason In argument*. US of America: Pearson Education, Inc
- Kuhn, D. (2010). Teaching and Learning Science as Argument. *Wiley Online Library*, hlm. 810-824
- Kuswana, Wowo. (2013). *Taksonomi Berpikir*. Bandung: PT. Remaja Rosdakarya
- Lewis, J., & Leach, J. (2006). Discussion of socio-scientific issues: The role of science knowledge. *International Journal of Science Education*, 28 (11), hlm. 1267-1287
- Martono, N. (2011). *Metode Penelitian Kuantitatif Analisis Isi dan Analisis Data Sekunder*. Jakarta: PT. Raja Grafindo Persada.
- Morin, O., Simonneaux L., Simonneaux, J., Tytler, R. (2013). Digital technology to support socioscientific reasoning about environmental issues. *Taylor & Francis*. 47 (3), hlm. 157-165
- Osborne, J., Erduran, S., & Simon, S. (2004). Enhancing the quality of argument in school science. *Journal of Research in Science Teaching*, 41 (10), hlm. 994-1020
- Roshayanti, F. (2012). *Pengembangan Model Assesmen argumentatif untuk Mengukur Keterampilan Argumentasi Mahasiswa pada Konsep Fisiologi Manusia*. Disertasi Doktor pada Sekolah Pascasarjana Universitas Pendidikan Indonesia: Tidak diterbitkan
- Sadler, T. D. (2004). Informal reasoning regarding socioscientific issues: A critical review of research. *Journal of Research in Science Teaching*, 41(5), 513–536. <http://doi.org/10.1002/tea.20009>
- Sadler, T. D., & Zeidler, D. L. (2005). Patterns of informal reasoning in the context of socioscientific decision making. *Journal of Research in Science Teaching*, 42(1), hlm. 112–138

- Sampson, V., & Clark, D.B., (2008) Assesment of the ways studentd generate arguments in science education: Current perspectives and recommendations for future directions. *Science Education*, 92, hlm. 447-472
- Santrock, J. (2007). *Perkembangan Anak*. University of Texas, Dallas: Penerbit Erlangga.
- Siegler, R. dan Crowley K. (1991). The microgenetic method: A direct means for studying cognitive development. *American Psychology*. 56, hlm. 606-620
- Simon, S. (2008). Using Toulmin’s argument pattern in the evaluation argumentation in school science. *Taylor & Francis*, 31 (3), hlm. 277-289
- Sugiyono. (2010). *Metode Penelitian Kuantitatif Kualitatif dan R&D*. Bandung: Alfabeta
- Ujan, A.A. (2012). *Critical Thinking Membangun Pemikiran Logis*. Jakarta: PT PUSTAKA SINAR HARAPAN
- Upton, P. (2012). *Psikologi Perkembangan*. Jakarta: Erlangga
- Venville, G.J & Dawson, V.M. (2010). The Impact of classroom intervention on grade 1 students’ argumentation skills, informal reasoning, and conceptual understanding of science. *Journal of Research in Science Teaching*, 47 (8), hlm. 952-977
- Widhy, P., Nurohman, S., & Wibowo, W. (2013). Model integrated science berbasis socio scientific issues untuk mengembangkan *thinking skills* dalam mewujudkan *21 st century skills* . *Jurnal Pendidikan Matematika Dan Sains*, 1(2), 158–164.
- Woolfolk, Anita. (2009). *Educational Psychology Active Learning Edition*. Yogyakarta: Penerbit Pustaka Pelajar
- Zeidler, D. L., & Nichols, B. H. (2009). Socioscientific issues: Theory and practice. *Journal of Elementary Science Education*, 21(2), hlm.49–58
- Zeidler, D. L., Sadler, T. D., Applebaum, S., & Callahan, B. E. (2009). Advancing reflective judgment through socioscientific issues. *Journal of Research in Science Teaching*, 46(1), 74–101.
- Zeidler, D. L., Sadler, T. D., Simmons, M. L., & Howes, E. V. (2005). Beyond STS: A research-based framework for socioscientific issues education. *Science Education*, 89 (3), hlm. 357–377