

DAFTAR PUSTAKA

- Abd-El-Khalick, F. (2005). "Developing Deeper Understandings of Nature of Science: The Impact of A Philosophy of Science Course on Preservice Science Teacher's View and Instructional Planning". *International Journal of Science Education*. 27, (1), 15-42. [Online]. Tersedia: <http://www.tandfonline.com>. [23 Januari 2013]
- _____. (2012). "Teaching with and about Nature of Science, and Science Teacher Knowledge Domains". In B. J. Fraser, K. Tobin, dan C. McRobbie (Eds.), *Second international handbook of science education*. The Netherlands: Springer. [Online]. Tersedia : <http://www.bu.edu/hps-scied/files/2012/10/Abd-El-Khalick-HPS-Teaching-With-and-About-NoS-and-Science-Teacher-Knowledge-Domains.pdf>. [23 Januari 2013]
- Anggraeni, S. (2006). *Model Perkuliahan Biologi Umum Berbasis Inkuiri bagi Calon Guru Biologi*. Disertasi Doktor pada SPS UPI Bandung: tidak diterbitkan
- Arikunto, S. (2008). *Dasar-dasar Evaluasi Pendidikan*. Jakarta: Bumi Aksara
- _____. (2010). *Prosedur Penelitian Pendidikan Suatu Pendekatan Praktek*. Jakarta: Rineka Cipta.
- Bell, R. L. (2009). *Teaching The Nature of Science: Three Critical Question*. [Online]. Tersedia: http://www.ngspscience.com/profdev/Monographs/SCL22-0449A_SCI_AM_Bell_lores.pdf. [23 Januari 2013]
- Badan Standar Nasional Pendidikan. (2013). *Permendikbud Nomor 65 tahun 2013 tentang Standar Proses*. [Online]. Tersedia: <http://bsnp-indonesia.org/id>. [17 Oktober 2013]
- Costa, A. L. (1985). *Developing Minds A Resource Book for Teaching Thinking*. Virginia: ASCD
- Dahar, R. E. (1996). *Teori-Teori Belajar*. Jakarta: Penerbit Erlangga
- Ennis, R.H. (1996). *Critical Thinking*. New Jersey: Prentice-Hall Inc
- Elliot, M. J. (2006). "On the Role of the Laboratory in Learning Chemistry". *Disertasi*. Austin: University of Texas

- Hadjam, M.N. (2012). *Meningkatkan Kreatifitas Guru dan Siswa dalam Proses Pembelajaran*. [Online]. Tersedia: <http://www.bakharuddin.net/2012/06/meningkatkan-kreatifitas-guru-dan-siswa.html>. [21 Oktober 2013]
- Hamalik, O. (2009). *Proses Belajar Mengajar*. Jakarta: Bumi Aksara
- Harja, E.J. (2013). “Efektifitas Kulit Pisang Kepok (*Musa Acuminata*) Sebagai Teknologi Filter Penjernihan Sederhana Terhadap Air Yang Tercemar Tembaga (Cu) Dan Timah (Pb)”. *Makalah*. [Online]. Tersedia: <http://endrajuniharja.blogspot.com/2013/03/efektifitas-pisang-kepok-terhadap-logam.html>. [20 Juni 2013]
- Harlen, W. (1992). *The Teaching of Science*. Great Britain: David Fulton Publishers
- Johnstone dan Al-Shuaili. (2001). “Learning in the laboratory; some thoughts from the literature”. *The Royal Society of Chemistry*. 5, 42-51. [Online]. Tersedia: http://www.rsc.org/pdf/uchemed/papers/2001/p8_johnstone.pdf. [9 November 2013]
- Kemdikbud. (2013). *Pengembangan Kurikulum 2013*. [Online]. Tersedia: <http://www.kemdikbud.go.id/>. [11 Oktober 2013]
- Koentjaraningrat. (1990). *Metode-metode Penelitian Masyarakat*. Jakarta : Pustaka Jaya
- Lagowski, J. J. (2002). “The Role of The Laboratory in Chemical Education”. *The Royal Society of Chemistry*. [Online]. Tersedia: http://www.utexas.edu/research/chemed/lagowski/jjl_beijing_02.pdf. [9 November 2013]
- Laurens, T. (2001). “Pengembangan Metakognisi dalam Pembelajaran Matematika”. *Makalah*. Seminar Nasional Matematika, Universitas Pattimura
- Lederman, N.G. (1992). “Students’ and Teachers’ Conceptions of the Nature of Science: A Review of the Research”. *Journal of Research in Science Teaching*. 29, (4), 331-359. [Online]. Tersedia: <http://onlinelibrary.wiley.com/doi/10.1002/tea.3660290404/pdf>. [23 Januari 2013]
- _____. (2006). “Nature of Science: Past, Present, and Future”. In S.K. Abell, & N.G. Lederman, (Editors), *Handbook of research in science education*. 831-879. Mahwah, New Jersey: Lawrence Erlbaum Publishers. [Online]. Tersedia: http://www.csss-science.org/downloads/NOSLederman_2006.pdf. [19 Januari 2013]

- Lederman, N.G., Abd-El-Khalick, F., Bell, R.L., & Schwartz, R. (2002). "Views of Nature of Science Questionnaire: Toward Valid and Meaningful Assessment of Learner's Conceptions of Nature of Science". *Journal of Research in Science Teaching*. 39, (6), 497-521. [Online]. Tersedia: <http://umdb.org/pbworks.com/w/file/fetch/38495119/VNOS.pdf>. [19 Januari 2013]
- McComas, W.F. (1998). *The Principal Elements Of The Nature Of Science: Dispelling The Myths*. [Online]. Tersedia: <http://coe.hp.uark.edu/pase/TheMythsOfScience.pdf>. [20 Mei 2013]
- McMillan, J.H. dan Schumacher, S. (2001). *Research in Education*. Fifth edition. New York: Addison Wesley Longman, Inc
- National Research Council. (1996). *National Science Education standards*. Washington, DC: National Academic Press
- NSTA dan AETS. (2003). *Standards for Science Teacher Preparation*. [Online]. tersedia: http://www.nsta.org/pdfs/PositionStatement_ScientificInquiry.pdf. [23 Januari 2013]
- Putri, A. N. (2012). *Kajian tentang Penggunaan Buku PR Biologi sebagai Bahan Latihan Bagi Siswa Dalam Pembelajaran Biologi di MAN Z Bukittinggi*. Laporan Field Study: tidak diterbitkan
- Rachmawati, S. (2011). *Menguji Kualitas Air dengan Cara Sederhana*. [Online]. tersedia: <http://sitirachmawati.wordpress.com/2011/12/30/menguji-kualitas-air-dengan-cara-sederhana/>. [21 November 2013]
- Rustaman, A. dan Wulan, A.R. (2007). *Kegiatan Laboratorium dalam Pembelajaran*. Modul Pembelajaran: tidak diterbitkan
- Rustaman, N.Y., Dirdjosoemarto, S., Yudianto, S.A., Achmad, Y., Subekti, R., Rochintaniawati, D., dan Nurjhani, M. (2003). *Common textbook (Edisi Revisi) Strategi Belajar Mengajar Biologi*. Bandung: FPMIPA UPI
- Rustaman, N. Y. (2005). *Strategi Belajar Mengajar Biologi*. Malang: UM Press
- Santyasa, I. W. (2006). "Pembelajaran inovatif model kolaboratif basis proyek dan orientasi NOS". *Makalah*. [Online]. Tersedia: http://www.freewebs.com/santyasa/PDF_Files/Collaborative_Model_Project_Based_dan_Orientasi_NOS.pdf. [19 Januari 2013]
- Sugiyono. (2010). *Metode Penelitian Kuantitatif dan Kualitatif dan R&D*. Bandung: Alfabeta

- Supriatno, B., Rustaman, N., Redjeki, S., Sudargo, F. (2011). *Analisis Desain Kegiatan Laboratorium Biologi Sekolah*. Prosiding Seminar Nasional Biologi UPI. Bandung: tidak diterbitkan
- Trianto. (2007) *Model-model Pembelajaran Inovatif Berorientasi Konstruktivistik*. Jakarta: Prestasi Pustaka
- Wenning, C.J. (2006a). "A Framework for teaching the nature of science". *Journal of Physics Teacher Education Online*. 3, (3), 3-10. [Online]. Tersedia: http://www.phy.ilstu.edu/pte/publications/assessing_NOS.pdf. [19 Januari 2013]
- Wenning, C.J. (2006b). "Assessing nature-of-science literacy as one component of scientific literacy". *Journal of Physics Teacher Education Online*. 3, (4), 3-14. [Online]. Tersedia: http://www.phy.ilstu.edu/pte/publications/assessing_NOS.pdf. [19 Januari 2013]
- Yang, S. P. (2007). "Laboratory Instruction Style". *Makalah*. National Changhai University of Education