

DAFTAR PUSTAKA

- Akerson, V. L., and Donnelly, L. A. (2010). Teaching nature of science to K-2 students: What understandings can they attain? *International Journal of Science Education* , 32, 97 - 124.
- Akerson, V. L., Cullen, T. A., and Hanson, D. L. (2010). Experienced teachers' strategies for assessing nature of science. Conceptions in the elementary classroom. *Journal Science Teacher Education* , 21, 723-745.
- Allahyari, T., Rangi, N. H., Khosravi, Y., dan Zayeri, F. (2011). "Development and Evaluating of A New Questionnaire for Rating of Cognitive Failures at Work". *International Journal of Occupational Hygiene*. 3, 6-11.
- Anderson, L. W. and Krathwohl, D. R. (2010). *Kerangka landasan untuk pembelajaran, pengajaran dan asesmen*. Yogyakarta: Pustaka Pelajar.
- Anwar, S. (2012). *Pengolahan Bahan Ajar*. Handout perkuliahan. Bandung: tidak diterbitkan.
- Ashby, M., Shercliff, H., and Cebon, D. (2007). *Material Engineering Science Processing and Design*. University of Cambridge: Elsevier published
- Chang, R. (2005) *General Chemistry: The Essensial Concepts*, 3rd Edition. New York: McGraw-Hill.
- Departemen Pendidikan Nasional. (2006). *Pedoman Memilih dan Menyusun Bahan Ajar*. Jakarta: Depdiknas.
- Departemen Pendidikan Nasional. (2008). *Panduan Pengembangan Bahan Ajar*. Jakarta : Depdiknas.
- Dick, W., and Carey, L. (1996). *The Systematic Design of instruction 3rd Ed*, Glenview, IL : Scott, Foresman and company.
- Duit, R. (1995). *A Model of Educational Reconstruction*. San Fransisco : Paper presented at the Annual Meeting of National Association of Research Research in Science Teaching (NARST). 1-19.
- Duit, R. (2007). "Science Educational Research Internationally: Conception, Research Method, Domain Research". *Eurasia jurnal of mathematics*. 3, (1), 3-15.
- Duit, R., Gropengierber, H., Kattmann, U., Komorek, M., Parchmann, I. (2012). "The Model of Eductional Reconstruction - A Framework for Improving

- Teaching and Learning Science". *Science Research and Practice in Europe*. 13-37.
- Firman, H. (2007). *Laporan Analisis Literasi Sains Berdasarkan Hasil PISA Nasional Tahun 2006*. Jakarta : Balitbang Depdiknas.
- Fong, J., Kwan, L. P., Lam, E., Lee, C., and Lim, L. P., (2010). *Sciences Matters*. Singapore: Marshall Cavendish.
- Hayat dan Yusuf. (2010). "Mutu Pendidikan". Jakarta : Bumi Aksara
- Herlanti, Y., Rustaman, N., dan Setiawan, W. (2008). "Strategi Pengolahan Bahan Ajar IPA (Hasil Kajian terhadap Teori Reduksi Dikdaktis dan Pedagogi Meteri Subyek". *Edusains I*.(1). 26-38.
- Herron, J. D, et al. (1977). "Problem Associated with concept analysis". John Wiley & Sons, Inc. *Science education* 6 (2) : 185-199
- Holbrook, J. (1998). "A Resource Book for Teachers of Science Subjects". UNESCO.
- Holbrook, J. (2005). "Making Chemistry Teaching Relevant". *Chemical Education International*. 6, (1), 1-12.
- Holbrook, J. and Rannikmae, M. (2007) " The Nature of Science Education for Enhancing Scientific Literacy. 29, (11), 1347-1362.
- James, M., Derbogosian, M., Bowen, S., dan Auteri, S. (1991). *Chemical Connections: VCE Chemistry, Book one*. Singapore: The Jacaranda Press.
- Kemendikbud. (2012). *Bahan Uji Publik Kurikulum 2013*, Jakarta: Kemendikbud.
- Kemendikbud. (2013). *Modul Pelatihan Implementasi Kurikulum 2013 SMP/Mts IPA*, Jakarta: BPSDMPK PMP Kemendikbud.
- Laherto, A. (2012). "Nanoscience Education for Scienctific Literacy. Opportunities and Challenges in Secondary School and in out-of-school Settings". Helsinki: *Academic Dissertation*.
- Lawshe. (1975). "A Quantitative Approach to Content Validity". *Journal Personnel Psychology*. **28**, 563-575.
- Lederman, N. (2006). *Syntax of nature of science within inquiry and science instruktion*. In Flick:Lederman (Ed), *Scientific inquiry and nature of sciece: Implications for teaching, learning, and teacher education* (pp. 301-317). The Netherlands: Springer.

- McComas. (2002) . *The nature of Science in Science Education Rationales and Strategies*. United States of America: Kluwer Academic.
- Nentwig, P. M., Demuth, R., Parchmann, I., Grasel,C., dan Ralle, B. (2007). “Chemie im Kontext: Situating Learning in Relevant Contexts while Systematically Developing Basic Chemical Concepts”. *Journal of Chemical Education*. **84**, (9), 1439-1444.
- Niebert, K and Gropengiesser. (2013). *The Model of Educational Reconstruction: A Framework for the Design of Theory-based Content Specific Interventions. The Example of Climate Change*. Educational Design Research. Netherlands: SLO
- OECD. (2013). “PISA 2012 Assessment and analytical framework : Mathematic, Reading, Science, Problem Solving and Financial Literacy”. OECD Publishing.
- Phillips J. S., Strozak V. S., and Wistrom C. (2002). *Glencoe Chemistry-Concepts and Applications*. Ohio: Mc Graw-Hill.
- Prastowo, A. (2011). *Panduan Kreatif membuat Bahan Ajar Inovatif*. Yogyakarta: Diva Press.
- Puskur Balitbang Depdiknas. (2012). *Panduan Pengembangan Pembelajaran IPA Terpadu, SMP/MTs*. Jakarta: Puskur Depdiknas.
- Schwartz, R. S., Lederman, N. G., and Crawford, B. A. (2004). Developing views of nature of science in an authentic context: An explicit approach to bridging the gap between nature of science and scientific inquiry. *Science Teacher Education* , 610 - 645.
- Setiadi, R. dan Agus, A. (2004). *Dasar-Dasar Pemrograman Software Pembelajaran*. Bandung: Jurusan Pendidikan Kimia FPMIPA UPI
- Setiadi, R., Mulyani, S., dan Kusrijadi, A. (1995). *Studi Penerapan Pedagogi Materi-Subjek dalam Penulisan Buku Teks MIPA untuk Mengembangkan Keterampilan Intelektual Mahasiswa FPMIPA IKIP Bandung*. Laporan Penelitian. Bandung: FPMIPA IKIP.
- Shrake, D. L., Elener, L. E., Humon, W., and Janson, R. W. (2006). *What is science*. OHIO J SCI , 130-135.
- Shwartz, Y. Ben-Zvi, R. dan Hofstein, A. (2006). “The Use of Scientific Literacy Taxonomy for Assessing the Development of Chemical Literacy Among High-School Students. The Royal Society of Chemistry”. *Chemistry education research and practice*, 2006, **7**, (4), 203-225.

- Sitepu. (2012). *Penulisan Buku Teks Pelajaran*. Bandung: PT Remaja Rosdakarya.
- Sugiyono. (2013). *Metode Penelitian Pendidikan: Pendekatan Kuantitatif, Kualitatif, dan R&D*. Bandung: Alfabeta.
- Toharuddin, U., Hendrawati, S., dan Rustaman, A. (2011). *Membangun Literasi Sains Peserta didik*. Bandung: Humaniora.
- Trianto. (2012). *Model Pembelajaran Terpadu: konsep, strategi, dan implementasinya dalam kurikulum tingkat satuan pendidikan (KTSP)*. Jakarta: Bumi Aksara.
- Vlack, L. H. V. (2004). Elemen-elemen Ilmu dan Rekayasa Material, edisi ke-6. Jakarta: Erlangga.
- Werwa, E. And Zike, D. (2005). *Glencoe Science Chemistry*. New York: McGraw-Hill Glenco.
- Wilson, R., Pan, W., dan Schumsky, D.A. (2012). “Recalculation of the Critical Values for Lawshe’s Content Validity Ratio”. *Association for Assesment in Counseling and Education*, 2012, 45, (3), 197.