

DAFTAR PUSTAKA

- Adadan, E. (2013). Using multiple representations to promote grade 11 students' scientific understanding of the particle theory matter. *Research in science Education*, 43(1), 1079-1105. <http://doi.org/10.1007/s11165-012-9299-9>
- Ainsworth, S. (1999). The functions of multiple representations. *Computers & education*, 33(2-3), 131-152. [http://doi.org/10.1016/S0360-1315\(99\)00029-9](http://doi.org/10.1016/S0360-1315(99)00029-9).
- Allwright, R. (1981). What do we want teaching materials for?. *ELT journal*, Vol. 36 (1):5.
- Anja, K., Latti, Kaisu, R., Riihinen, pirjo, S., dan Kainulaine. (2008). Isolasi and structure characterization of new antocyanin derivat yellow pigments in oged red wines. *Journal of Agricultural and Food Chemistry*. Vol. 56, hlm. 190-196.
- Arikunto, Suharsimi. (2012). *Manajemen penelitian*. Jakarta: Rineka Cipta.
- Bewick, Edge, Forsythe & Parsons. (2011). *NC 8th grade chemistry*. Tersedia: <http://www.ck12.org/terms> [17 Agustus 2016].
- Birisci, S. & Metin, M. (2010). Developing an instructional material using a concept cartoon adapted to the 5E model : a sample of teaching erosion. *Journal of Asia-Pacific Forum on Science Learning & Teaching*, 11(1), hlm. 1-16.
- Brady, James E. (2001). *Kimia universitas asas & struktur jilid 2*. Tangerang: Binarupa Aksara
- Brinkmann, Astrid. (2003). Graphical knowledge display – Mind mapping and concept mapping as efficient tools in mathematichs education. *Mathematichs Education Review*, No. 16, April 2003.
- BSNP. (2014). Instrumen penilaian buku tahun 2014. Jakarta: BSNP. (Online). <http://bssnp-indonesia.org/id/?p=1340>.
- Chang, R. (2005). *General Chemistry : The Essential Concepts Sixth Edition*. New York: McGraw-Hill

- Daley, B. (2010). Concept maps: Practice applications in adult education and human resource development [Perspectives on Practice]. *New Horizons in Adult Education and Human Resource Development*, 24 (2-4), 30-36. <http://education.fiu.edu/newhorizons>
- Darmianto dan Side, S.(2012). Pengembangan Perangkat Pembelajaran IPA Kimia SMP Berbasis Kontekstual pada Materi Pokok Bahan Kimia di Rumah. *Jurnal Chemical*. Volume 13(1), 55-62
- Demircioğlu, G., A. Ayas, & Demircioğlu, H. 2005. Conceptual change achieved through a new teaching program on acids and bases. *Chemistry Education Research and Practice*, 6: 19-35
- Departemen Pendidikan Nasional. (2008). *Panduan Pengembangan Bahan Ajar*. Jakarta: Direktorat Pembinaan Sekolah Menengah Atas.
- Gabel, D.L. & Bunce, D. M. (1994). Research on problem solving: Chemistry In D. Gabel (Ed.), *Handbook of Research on Science Teaching and Learning (pp.301-316)*, New York: Macmillan Publishing Company.
- Gall, MD., Gall, JP., and Borg, WR. (1963). *Educational research: an introduction sevent edition*. United State of America: Pearson Education, inc.
- Gilbert, J.K., and Treagust, D.F. (2009). Introduction: Macro, sub-micro and symbolic representations and the relationship between them: key models in chemical education. In: J.K. Gilbert and D. Treagust (Eds.). *Multiple Representation in Chemical Education: Models and Modeling in Science Education*. Dodrecht: Springer.
- Halbrook, J. (2005). Making chemistry teaching relevant. *Journal of Chemical Educational International*. 6(1), hlm. 1-12.
- Hartantaio, Y., Dan Buditjahjanto, I.A. (2014). Penerapan strategi belajar peta konsep (*mind mapping*) untuk meningkatkan hasil belajar siswa pada standar kompetensi menerapkan dasar-dasar elektrokimia digital di SMKN 1 Driyorejo. *Jurnal Pendidikan Teknik Elektro*. Vol. 03 (1), hlm. 133-140.
- Hutchison, T., & Torres, E. (1994). The textbook as agent of change. *ELT Journal*, Vol. 48: 315-323.

- Hwang, W.C. (2004). The types and causes of misconceptions of elementary students on acid-bases. *Annual report to the National Science Council in Taiwan* (in Chinese).
- Indriyanti, N.M. (2007). Kesiapan guru-guru IPA SMP dan MTs menghadapi masuknya materi kimia dalam mata pelajaran IPA di SMP dan MTs se-kota Surakarta dalam penerapan kurikulum tingkat satuan pendidikan. *Prosiding Seminar Nasional Pendidikan Biologi FKIP UNS*. Vol 7 (1). 2007.
- Jackman, R.L., Yada, R.Y., Tung, M.A., dan Speers, R.A. (1987). Separation and chemical properties of anthocyanins used for their qualitative and quantitative analysis - A review. *Journal of Food Biochemistry*. Vol. 11, hlm. 179-208.
- Jobrack, B. (2011). *Tyranny of the textbook: An Insider expose how education materials undermine reform*. Lanham, MD:Rowman & Littlefield.
- Johnstone, R., & Jounin, G. (1997). *Designing print materials for flexible teaching and learning in law*. Sydney: Cavendish Publishing (Australia) Pty Limited. Hlm. 2-34.
- Kamal, Sulaiman deen Olawale. (2013). The Use of Instructional Material for Effective Learning of Islamic Studies. *Jihad al-Islam*. Volume 6(2), January-June 2013.
- Keenan, C.W. Dkk. (1984). *Ilmu kimia untuk universitas jilid 1*. Jakarta: Erlangga.
- Kooser, A.S., Jenkins, J.L., and Welch, L.E. (2001). Acid-base indicators: new look at an old topic. *Journal of Chemical Education*. Vol. 78 (11), p 1504.
- Lang, M., Olson, J. (2000). Integrated science teaching as a challenge for teachers to develop new conceptual structures. *Research in science education*. Vol. 30 (2), 213-224.
- Lestari, Ika. (2013). *Pengembangan bahan ajar berbasis kompetensi: sesuai dengan kurikulum tingkat satuan pendidikan*. Padang: Akademia
- Littlejohn, A. (2011). *The analysis of language teaching materials: inside the Trojan horse*. Cambridge University Press.

- Liu, E., Cheng, S., & Lin, c. (2008). The development of evaluation indicators for LEGO multimedia instructional material. *WSEAS Transaction on Computers*, Vol. 7: 1783.
- Mahardika, I.K. (2011). *Pengembangan Bahan Ajar Mekanika untuk Meningkatkan Kemampuan Representasi Verbal, Matematis, Gambar dan Grafik Mahasiswa Calon Guru Fisika*. (Disertasi). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Nakhleh, M.B. & Krajcik, J.S. (1994). Influence of Levels of Information as Presented by Different Technologies on Students' Understanding of Acid, Base, and pH concepts. *Journal Reseach in Science Teaching*, 31(10), hlm. 1077-1096.
- Nuryanti, S., Matsheh, S., Anwar, C., dan Raharjo, T.J. (2010). Indikator titrasi asam-basa dari ekstrak bunga sepatu (*hibiscus rosa sinensis L*). *AGRITECH*. Vol. 30 (3), hlm. 178-183.
- Oxtoby, D.W. Dkk. (2001). *Prinsip-prinsip kimia modern jilid 1*. Jakarta: Erlangga
- Petrucci, R. Dkk. (2011). *Kimia dasar: prinsip dan terapan modern edisi kesembilan jilid 2*. Jakarta: Penerbit Erlangga.
- Ross, C. & Munby. H. (1991). Concept mapping misconceptions: a study of high school students' understanding of acid and bases. *International Journal of Science Education*, 13, 11-23.
- Schmidt, H-J. (1995). Applying the concept of conjugation to Bronsted theory of acid-base reaction by senior high school students from Germany. *International Journal of Science Education*, 17 (6), 733-742.
- Silberbeg, Martin.S. (2009). *Chemistry : The molecular nature of matter and change*. New York: Mc Graw-Hill.
- Sirhan, Ghassan.(2007). Learning difficult in chemistry : An overview. *journal of turkish science education*, Volume 4(2), September 2007.
- Situmorang, M., et al. (2015). The development og innovative chemistry learning material for bilingual senior high school student in Indonesia. *Journal of international education studies*, Vol. 8, No. 10; 2015 ISSN 1913-9020 E-ISSN 1913-9039 Published by Canadian Center of Science and Education

- Sugiyarto, T., Eny, I. (2008). *Ilmu pengetahuan alam untuk SMP/MTs kelas VII*. Jakarta: Pusat Perbukuan Departemen Pendidikan Nasional.
- Sugiyono. (2012). *Metode penelitian kuantitatif kualitatif dan R&D*. Bandung: Alfabeta.
- Suherli. (2008). *Keterbacaan buku teks pelajaran*. Universitas Galuh, Ciamis
- Syatriana, E., Husain, D., Haryanto, & Jabu, B. (2013). A model of creating instructional materials based on school curriculum for Indonesian secondary school. *Journal of education and practice*, Vol. 4(2); 10-16.
- Taber, Keith.S. (2013). Revisiting the chemistry triplet: Drawing upon the nature of chemical knowledge and the psychology of learning to inform chemistry education. *Journal of chemistry education research and practice*. Vol 14, 156-168.
- Taylor,J., Scotter, P., & Coulson, D. (2007). Bridging research on learning and student achievement: The role of instructional materials. *Science educator*, Vol. 16: 44-50.
- Torskangerpoll, Qyvind, M., dan Andersen. (2004). Colour stability of anthocyanins in aqueous solutions at various pH values. *Journal of Food Chemistry*. Vol. 89, hlm. 427-444.
- Thadaka, K.C. (2013). Acid-bases theory. *International Journal of Mathematics and Physical Science Research (IJMPSR)*. Vol 1(1), hlm. 18-24.
- Tim Penyusun Direktorat Pembinaan Sekolah Menengah Atas Dirjen Manajemen Pendidikan Dasar dan Menengah Atas. (2008). *Panduan pengembangan bahan ajar*. Jakarta: Depdiknas.
- Vanides, J., et al. (2005). Using concept maps in the science classroom. *Science Scope*, Vol. 28, No. 8, Summer 2005
- Wahidah, G.J.N. (2015). *Pengembangan bahan ajar IPA SMP pada tema "energi dalam tubuh" menggunakan metode 4S TMD*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Whitten, Davis, Peck & Stanley. (2014). *Chemistry tenth edition*. USA : Brooks Cole.
- Widodo, C., dan Jasmadi. (2008). *Buku panduan menyusun bahan ajar*. Jakarta: PT Elex Media Komputindo.

- Wina, Sanjaya. (2007). *Strategi pembelajaran berorientasi standar proses pendidikan*. Jakarta: Kencana Prenada Media Group.
- Winarsih, Any., dkk. (2013). *IPA terpadu untuk SMP/ MTS kelas VII*. Jakarta: Pusat Perbukuan Departemen Pendidikan Nasional.
- Wu, H.K., and Shah, P. (2004). Exploring visuospatial thinking in chemistry learning. *Science Education*, 88, 465-492.
- Yanti, H., Rustaman, N. Dan Setiawan, W. (2008). Strategi baru dalam pengolahan bahan ajar ilmu pengetahuan alam (hasil kajian terhadap teori reduksi didaktik dan pedagogi materi subyek). *Edusains*, Vol. 1(1), hlm. 26-38.
- Yunita, I. Nurma., Dwi, N. Nanik., dan Yatimah, Sri. (2010). Kesiapan guru-guru biologi SMP menghadapi masuknya materi kimia dalam mata pelajaran IPA di SMP se-kota Surakarta dalam penerapan kurikulum tingkat satuan pendidikan. *Prosiding Seminar Nasional Pendidikan Biologi FKIP UNS*. Vol 7 (1). 2010.