

## Daftar Pustaka

- AAC&U. (2009). *Quantitative Literacy Value Rubric*. [Online]. Tersedia: <http://www.aacu.org/value/rubrics/pdf/QuantitativeLiteracy.pdf>. diakses 11 November 2015
- Andriani, N., Husiani, I., dan Nurliyah, L. (2011). Efektifitas Penerapan Pembelajaran Inquiri Terbimbing (Guided Inquiry) pada Mata Pelajaran Fisika Pokok Bahasan Cahaya di Kelas VIII SMP Negeri 2 Muara Padang. Bandung: SNIPS
- Arikunto, S. (2009). *Dasar-dasar Evaluasi Pendidikan Edisi Revisi*. Jakarta: Bumi Aksara.
- Beaudrie, B. (2007). *The Numeracy Action Plan: The Case for Quantitative Literacy in the State of New Hampshire*. New Hampshire Impact Center Plymouth State University. *Biology. CBE-Life Sciences Education*. 9, 323-332
- Best, J. (2007). *Beyond calculation: Quantitative Literacy and Critical Thinking about public issues*. Paper presented at Johnson Foundation Conference. Milwaukee, WI
- Brakke, D. F. (2003). *Addressing Societal and Workforce Needs*. Washington, Dc: National Council on Education and the Disciplines
- Campbell, N.A., dan J.B. Reece. (2008). *Biologi*. Jakarta: Penerbit Erlangga
- Dahar, R.W. (1987). *Teori-Teori Belajar*. Jakarta: Erlangga
- Frith, V. & Guston, G. (2011). Towards Understanding The Quantitative Literacy Demands of A Firstyear Medical Curriculum. *African Journal of Health Professions Education*. 3(1):19-23
- Green, J.H. (2009). *Pengantar Fisiologi Manusia*. Tangerang: BINARUPA AKSARA
- Hadiyana, L. R. (2011). Pengaruh Pendekatan Keterampilan Proses Sains terhadap Hasil Belajar Biologi Siswa. Jakarta : UIN
- Hake, R. (1998). *Interactive-engagement methods in introductory mechanics courses*. [Online]. Tersedia: <http://www.physics.indiana.edu/~sdi/IEM-2b.pdf> diakses 11 November 2015

- Hariato, Y. (2015). *Pengaruh Model Pembelajaran Berbasis Proyek terhadap Kemampuan Literasi Kuantitatif Siswa pada Konsep Monera*. Bandung. Skripsi: tidak diterbitkan
- Hughes-Hallett, Deborah. (2001). *Achieving Numeracy: The Challenge of Implementation.* " In *Mathematics and Democracy: The Case for Quantitative Literacy*, edited by Lynn Arthur Steen, 93–98. Princeton, NJ: National Council on Education and the Disciplines.
- Hudiono. 2005. *Meningkatkan Kemampuan Representasi dan Pemecahan Masalah Siswa SMA Melalui Model Pembelajaran Mathematics Project*. Skripsi FPMIPA UPI Bandung: Tidak diterbitkan
- Johnson, A. Daniel. (2009). *40 inquiry exercises for the college biology labs*. USA: David Beacon Press.
- Kartini. (2009). *Peranan Representasi dalam Pembelajaran Matematika*. [Online]. Tersedia: <http://eprints.uny.ac.id/7036/1/p22-kartini-pdf>. Diakses: 15 Juni 2016
- Kurniadi, Kemal. (2011). *Dasar-dasar Anatomi dan Fisiologi Tubuh Manusia*. Bandung: Jurusan Pendidikan Biologi FPMIPA UPI
- Linden, D. & Madison W. (2005). *The Wisconsin Program for Scientific Teaching*. [Online] Tersedia: [http://cst.yale.edu/sites/default/files/Uncook\\_handout.pdf](http://cst.yale.edu/sites/default/files/Uncook_handout.pdf). [ 12 Maret 2016]
- Madison, L. B. (2011). *A Quantitative Literacy Assessment Rubric: Development & Lessons Learned*. National Science Foundation. United States
- Meli, S.B. Kurnia dan Yayan S. (2013). Peningkatan Keterampilan Proses Sains Siswa SMA melalui Pembelajaran Praktikum Berbasis Inkuiri pada Materi Laju Reaksi: Jurnal Riset dan Praktek Pendidikan Kimia 1 (1) 69-75.
- Meltzer, D.E. (2002). *The Relationship between Mathematics Preperation and Conceptual Learning Gains in Physics: A Possible "Hiddin Variable" in Diagnostic Pretest Scores*. American Journal of Physics, Vol. 70 (1259-1286)
- Munaf, Syambasri. (2001). *Evaluasi Pendidikan Fisika*. Bandung: Jurusan Pendidikan Fisika FPMIPA UPI
- Munandar, Utami, S.C. (1992). *Mengembangkan bakat dan kreativitas anak sekolah*. Jakarta: Gramedia Widiasrana Indonesia.

- Munawaroh. (2013). *Analisis literasi kuantitatif siswa SMA dalam konsep pertumbuhan dan perkembangan tumbuhan*. Skripsi: tidak diterbitkan.
- Mustachfidoh, I. Jelantik, S. N.L.P dan Manik, W. (2013). Pengaruh Model Pembelajaran Inkuiri Terhadap Prestasi Belajar Biologi Ditinjau Dari Inteligensi Siswa Sma Negeri 1 Srono. S2 thesis, Universitas Pendidikan Ganesha.
- National Research Council. (2009). *A New Biology for the 21st Century: Ensuring the United States Leads the Coming Biology Revolution*, Washington, DC: National Academies Press
- Nuraeni, A, et al. (2014). *Profil Literasi Kuantitatif Mahasiswa Calon Guru Biologi*. Bandung: Prosiding Mathematics and Sciences Forum 2014
- OECD. (2007). *PISA 2006 science competencies for tomorrow's world. Volume 1*. Paris, France: OECD
- Okhee, L. 2012. Science Inquiry and Student Diversity: Enhanced Abilities and Continuing Difficulties After an Instructional Intervention. *Journal Of Research In Science Teaching*. Vol. 43 (7): 607-636
- Prajadinata, A. (2014). *Penggunaan Buku Catatan Interaktif untuk Menilai Kemampuan Literasi Kuantitatif Siswa pada Materi Ekosistem*. Bandung. Skripsi: tidak diterbitkan
- Ravichandran, T. dan Saravanakumar, A. R. (2013). Enhancing biological sciences laboratory experimental skills through virtual laboratory techniques. *Indian Journal Of Research*. 2(4), 70-72
- Rhodes, T L., dan Finley, A. (2013). *Using the VALUE Rubrics for Improvement of Learning and Authentic Assessment*. Washington DC: Association of American Colleges and Universities.
- Rustaman, N. et al. (2003). *Strategi Belajar Mengajar Biologi*. Malang : Universitas Negeri Malang.
- Sanjaya, W. (2009). *Strategi Pembelajaran Berorientasi Proses Pendidikan*. Jakarta: Prenada Media Grup
- Schmidt. (2003). *Pengertian Inkuiri* [Online]. Tersedia: <http://rayapkabel.wordpress.com/2009/03/28/model-pembelajaran-inkuiri/>. Diakses 11 November 2015

- Speth. (2010). 1, 2, 3, 4: Infusing Quantitative Literacy into Introductory. *Life Sciences Education*. 9, 323–332
- Steen, L.A., Orrill, R., Cohen, P.C. (2001). *Mathematics And Democracy: The Case For Quantitative Literacy*. Washington, Dc: National Council on Education and the Disciplines
- Sugiyono. 2012. *Metodologi Penelitian Kuantitatif Kualitatif dan R &D*. Bandung: ALFABETA
- Taylor, C H. (2007). Preparing students for the business of the real (and highly qualitative) world. In B. L. Madison, & L. A. Steen (Eds.). *Calculation vs. context: Quantitative literacy and its implications for teacher education*. (pp. 109-124). Racine, WI: Mathematical Association of America. <http://www.maa.org/ql/cvc/cvc-109-124.pdf> [Online] diakses 11 November 2015
- Tjalla, A. (2009). *Potret Mutu Pendidikan Sains Indonesia Ditinjau dari Hasil-hasil Studi Internasional*. Makalah Dosen FIP Universitas Negeri Jakarta.
- Vincent, A. S., B. P. Decker, & M. D. Mumford. (2002). Divergent thinking, intelligence, and expertise: a test of alternatif models [Versi elektronik]. *Creativity Research Journal*, (14),163-178
- Wenning, Carl J. (2004). *Levels of Inquiry: Hierarchies of Pedagogical Practices and Inquiry Processes*. <http://www.phy.ilstu.edu/jpteo/>. [Online] diakses 11 November 2015
- Wulan, A.R. (2007). *Penggunaan Asesmen Alternatif pada Pembelajaran Biologi*.[http://file.upi.edu/direktori/sps/prodi.pendidikan\\_ipa/197404171999032-ana\\_ratnawulan/asesmen\\_alternatif.pdf](http://file.upi.edu/direktori/sps/prodi.pendidikan_ipa/197404171999032-ana_ratnawulan/asesmen_alternatif.pdf). [Online] diakses 11 November 2015
- Zane, Thomas W. (2012). *Quantitative Literacy Rubric Development Guide*. Salt Lake Community College.