

DAFTAR PUSTAKA

- Abdurahman (2004). "Implementasi Model Collaborative Teamwork Learning untuk Meningkatkan Penguasaan Matakuliah Fisika Kuantum Mahasiswa Program Pendidikan Fisika FKIP Universitas Lampung Semester Ganjil Tahun Akademik 2003/2004". *Jurnal Pendidikan MIPA*, Volume 3 nomor 2, hal. 79-86
- Adam, J.P. and Timothy, F.S. (2000). "Astronomy in the National Science Education Standards". *Journal of Geoscience Education*, vol. 48(1), pp. 39-45
- American Association for the Advancement of Science. (1993). *Benchmarks For Science Literacy*. New York: Oxford University Press
- Anderson, L.W., Krathwohl, D.R., Airasian, P.W., Cruikshank, K.A., Mayer, R.E., Pintrich, P.R., Raths, J., Wittrock, MC. (2001). *A Taxonomy for Learning, Teaching, and Assessing, A Revision of Bloom's Taxonomy of Educational Objectives*. New York: Longman
- Andrewartha, G dan Wilmot, S. (2001). "Can multimedia meet tertiary educational needs better than the conventional lecture? A case study". *Australian Journal of Educational Technology*, 17(1), 1-20
- Atwood, R.K. dan Atwood, V.A.1(996). "Preservice elementary teachers' conceptions of the causes of seasons". *Journal of Research in Science Teaching*, v. 33, no. 5, p. 553-563.
- Barstow, D., Ed Geary, dan Yazijian, H. (2002). *Revolution in Earth and Space Science Education*. //www.EarthScienceEdRevolution.org
- Callison, P.L. and Wright, E.L. (1993). The effect of teaching strategies using models on preservice elementary teachers' conceptions about Earth-Sun-Moon relationships: ERIC Document ED 360 171.
- Campbell, L (2004). "The Design and Development of a Simulation to Teach Water Conservation to Primary School Students". *International Education Journal Vol 4, No 4*.
- Chambliss, C.R. (1990). "A planetarium oriented sequence of exercises," In *The Teaching of Astronomy*, H.M. Pasachoff and J.R. Percy, (Eds.): Cambridge, U.K., Cambridge University Press, pp. 387-388.

- Depdikbud. (1994). *Kurikulum 1994 SLTP Mata Pelajaran Geografi*. Jakarta: Dirjen Dikdasmen Dikmenum
- Depdiknas. (2002). *Kurikulum Berbasis Kompetensi*. Jakarta: Dirjen Dikdasmen Dikmenum
- Depdiknas. (2003a). *Kurikulum 2004 SMA: Pedoman Khusus Pengembangan Silabus dan Penilaian Mata Pelajaran Fisika*.
- Depdiknas. (2003b). *Standar Kompetensi Guru Sekolah Lanjutan Tingkat Pertama*. Jakarta: Dirjen Dikdasmen Direktorat Tenaga Kependidikan
- Depdiknas. (2003c). *Standar Kompetensi Guru Sekolah Lanjutan Tingkat Atas*. Jakarta: Dirjen Dikdasmen Direktorat Tenaga Kependidikan
- Dick, W., and Carey, L. (2001). *The Systematic Design of Instruction* (5th ed.). New York: Longman
- Erlendsson, Jon (2001). "Learning Motivation". *Educational Productivity*, <http://www.hi.is/~joner/eaps/wh.sdlmo.htm>
- Frayer, D.A., Schween-Ghatala, E. and Klausmeier, H.J. (1972). "Levels of concept mastery: implications for instruction." *Educational Technology*, v. 12, no. 12, p. 23-29.
- Gable, R.K. (1986). *Instrument Development in The Affective Domain*. Boston: Klenver-Nijhoff Publishing
- Gall, M.D, Gall, J.P, and Borg W.R. (2003). *Education Research, an Introduction*. (7th ed.). USA: Pearson Education, Inc.
- Gall, M.D and Borg W.R. (1979). *Education Research, an Introduction*. (3rd ed.). USA: Pearson Education, Inc.
- Geer, U.C. and David W.R. (2004). "A Review of Research on Constructivist-Based Strategies for Large Lecture Science Classes". *Journal of Research in Science Education*, VOL. 41, NO. 5, PP. 415–431
- Gokhale, A.A. (1995). "Collaborative Learning Enhances Critical Thinking" *Journal of Technology Education* Volume 7, Number 1
- Haller, C.R., Victoria J.G, Tracey L. W, and Felder, R.M.. (2000). "Dynamics Of Peer Education In Cooperative Learning Workgroups". *Journal of Engineering Education*, vol. 89, no. 3 pp. 285–293.
- Hansmann, R., Roland, W. S, Helmut W. C., dan Harald A.M. (2003). "Higher Education in Environmental Sciences: The Effects of Incorporating Expert

Information in Group Discussions of a Transdisciplinary Case Study".
Electronic Journal of Science Education, Vol. 7, No. 3

- Hungefورد .(1990). *Science-Technology-Society: Investigating and Evaluating STS Issues and Solution*. Illinois: STIPES Publ.
- Irwan (2006). *Pembelajaran Tata Surya Berbasis Inkuiri untuk Meningkatkan Penguasaan Materi Siswa Kelas I SMA*. Tesis SPs UPI, tidak dipublikasikan
- Isw (2006). "Kemana Mencari Selamat". *Kompas* (16 Agustus 2006)
- Laksmi, B.I. (2006). "Yang Sudah Terjadi dan Yang Akan Terjadi". *Kompas* (16 Agustus 2006)
- Loucks and Horsely, S. (1997). "Reforming Teaching and Reforming Staff Development". *Journal of Staff Development*. 18, 20-22
- McDermott L C, Shaffer P S, Constantinou C P. (2000). "Preparing Teachers to Teach Physics and Physical Science by Inquiry". *Physics Education*. 35(6)
- NRC (1996). *Nasional Science Education Standards*. Washington, DC: National Academy Press,
- NSTA (1998). *Standar for Science Teacher Preparation*, NSTA and AETS
- Nugraha, P. (2006). "Minimnya Dana Pencegahan". *Kompas* (16 Agustus 2006)
- Nurtjahjawilasa. (2004). "Efektifitas Multimedia Dalam Menunjang Pembelajaran Peserta Didik". *Prosiding Seminar Nasional Teknologi Pembelajaran*; Depdiknas Jakarta
- O'Reilly, R. (2002). "You can lead a student to water, but can you make them think? An evaluation of a situated learning environment: An Ocean in the Classroom". *Australian Journal of Educational Technology*, 18(2), 169-186
- Osborne, R.J. and Gilbert, J.K. (1980). "A method for investigating concept understanding in science." *European Journal of Science Education*, v. 2, p. 311-371.
- Paivio, A., Clark, J. M., & Lambert, W. E. (1988). "Bilingual dual-coding theory and semantic repetition effects on recall". *Journal of Experimental Psychology*, 14(1), 163-172
- Philips, W.C. (1991). "Earth science misconceptions." *The Science Teacher*, v. 58, no. 2, p. 21-23.
- Piaget, Jean. (1950). *The Psychology of Intelligence*. New York: Routledge

- Pyle, E.J. and Moffatt JA (1998). "The Effects of Visually-Enhanced Instructional Environments on Students' Conceptual Growth". *Electronic Journal of Science Education*, Vol. 3, No. 3
- Ramsey, J., (1993). "Reform Movement Implication Social Responsibility". *Science Education*, 77(2). 235-258.
- Rasagama, I.G. (2006). *Model Pembelajaran Inkuiiri Terbimbing Pokok Bahasan Proses Litosfer Dan Atmosfer Bumi Untuk Meningkatkan Keterampilan Berpikir Kritis Siswa SMP*. Tesis SPs UPI, tidak dipublikasikan
- Reed, G. (1972), "A Comparison Of The Effectiveness Of The Planetarium And The Classroom Chalkboard And Celestial Globe In The Teaching Of Specific Astronomical Concepts" *School Science and Mathematics*, v. 72, no. 5, p. 368-374.
- Roettger, E.E. (1998). "Changing View of the Universe". Paper presented at American Association of Physics Teachers Meeting, New Orleans, LA., AAPT Announcer, v. 27, no. 4, p. 4.
- Rollins, M.M., Dentton, J.J. and Janke, D.L. (1983). Attainment of selected earth science concepts by Texas high school seniors. *The Journal of Educational Research*, v. 77, no. 2, p. 81-88.
- Ruseffendi, E.T. (1994). *Dasar-dasar Penelitian Pendidikan dan Bidang Non_Eksakta Lainnya*. Semarang: IKIP Semarang Press
- Rutherford, F.J. and Ahlgren, A (1990). *Science for All Americans*. New York: Oxford University Press
- Rutherford, F.J. (1993). *Benchmark For Science Literacy*. New York: Oxford University Press
- Sadler, P. (1997). "Students' Astronomical Conceptions and How They Change". Paper presented at American Association of Physics Teachers Meeting, Phoenix, AZ. AAPT Announcer, v. 26, no. 4, p. 78.
- Sadler, P. (1992). *The initial knowledge state of high school astronomy students*: Ed.D. Dissertation, Harvard School of Education.
- Satria, A. (2006). "Jepang Cepat Belajar". *Kompas* (16 Agustus 2006)
- Schneps, M.H. (1987). *A Private Universe*. Available from Pyramid Films and Video, 2801 Colorado Avenue, Santa Monica, CA 90404.



- Scriven, M. (1967). The methodology of evaluation. In R.E. Stake (Ed.) *Curriculum Evaluation*, American Educational Research Association Monograph Series on Evaluation, No. 1 (pp.39-83). Chicago: Rand McNally.
- Sipayung, J. (2001). "Studi Hubungan Motivasi dengan Prestasi Belajar Fisika pada Siswa SMA Negeri 3 Sentani Jayapura". Ganesha Digital Library
- Stufflebeam, D.L, McCormick, C.H, Brinkerhoff, R.O, dan Nelson, C.O. (1985). *Conducting Educational Needs Assessments*. Boston: Kluwer Nijhoff Publishing
- Summerfield, MA (1991). *Global Geomorphology*. Singapore: Longman Singapore Publishers Ltd.
- Tillery, B.W. (2005). *Physical Science*, 6/e. New York: McGraw-Hill. Tersedia: http://en.wikipedia.org/wiki/Physical_science
- Treagust, D.F. dan Smith, C.L. (1989). "Secondary Students Understanding Of Gravity and The Motions Of Planets". *School Science and Mathematics*, v. 89, no. 5, p. 380-391.
- Trowbridge, L.W and Rodger W. B. (1990). *Becoming a Secondary School Science Teacher*. Columbus: Merrill Publishing Company
- USGS (2005). *Exploring Earth Hazard*. Tersedia: <http://earthquake.usgs.gov/eqinthenews/>
- USGS (2002). *Exploring Earth Hazard*. Tersedia:<http://Interactive2.usgs/learningweb/explorer/> index.htm
- VanCleave (2004). *A+ Projects in Earth Science, Winning Experiments for Science Fairs and Extra Credit* (terjemahan). Bandung: Pakar Raya
- VanCleave (2004). *A+ Projects in Astronomy, Winning Experiments for Science Fairs and Extra Credit* (terjemahan). Bandung: Pakar Raya
- Vosniadou, S. (1992). Designing curricula for conceptual restructuring: lessons from the study of knowledge acquisition in astronomy: ERIC Document ED 404 098.
- Wahyudi (2001). "Tingkatan Pemahaman Siswa Terhadap Materi Pembelajaran IPA". *Editorial Jurnal Pendidikan dan Kebudayaan Edisi 36*
- Yager, E. Robert, Ed. (1996). *Science/Technology/Society As Reform In Science Education*. Albany: State University of New York Press

Yulianti, D (2003). "Keefektifan Pembelajaran Kooperatif Pada Sub Pokok Bahasan Unsur dan Senyawa". *Jurnal Pendidikan dan Pembelajaran*, Volume 1 Nomor 3

