

## DAFTAR PUSTAKA

- Adam, Wahyu. (2011). *Penerapan Model Pembelajaran Konstruktivisme untuk Meningkatkan Pemahaman Konsep Fisika pada Topik Getaran dan Gelombang*. Skripsi Sarjana pada FPMIPA UPI. Bandung: Tidak diterbitkan.
- Ajeyalemi, D. A. (1993). *Teacher Strategies Used by Exemplary STS Teachers. What Research Says to The Science Teaching*, VII. Washington DC : National Science Teachers Association.
- Alamaki, A. (1999). *How to Educate Students for a Technological Future: Technology Education in Early Childhood and Primary Education*. Annales: Universitatis Turkuensis. [Online]. Tersedia <http://www.iteaconnect.org/Conference/PATT/PATT10/Alamaki.pdf> [9 Juni 2013].
- Anderson, L. W. (2010). *Pembelajaran Pengajaran dan Asesmen*. Yogyakarta: Pustaka Pelajar.
- Arends, Richard, I. (1997), *Classroom instruction and management*, New York; McGraw-Hill.
- Arikunto, S. (2010). *Prosedur Penelitian Suatu Pendekatan Praktik Edisi Revisi 2010*. Jakarta: PT Rineka Cipta.
- Barron, et al. (1998). *Doing With Understanding: Lessons From Research on Problem and Project-Based Learning*. The journal of the learning sciences, 7 (3&4), 271-311.
- Barrows, H. S & Tamblyn, R. M., (1980), *Problem based learning : an approach to medical education*, New York: Springer Publishing Company, Inc.
- Billett, S. 1996, *Toward a Model of Workplace Learning : The Learning Curriculum*. Studies in Continuing Education, 18 (1), 43-58.
- Blumenfeld, et al. (1991). *Motivating project-based learning: sustaining the doing, supporting the learning*. Educational Psychologist, 26(3&4), 369-398.
- Brotosiswoyo, B. S. (2000) *Kiat Pembelajaran MIPA dan Kiat Pembelajaran Fisika di Perguruan Tinggi*, Jakarta: Depdiknas.
- Brown, J. S., Collin, A., & Duguid, P., (1988). *Situated Cognition and The Culture of Learning*. Educational Research, 18(1), 32-42.

- Cord. (2001). *Contextual Learning Resource*. [Online]. Tersedia: <http://www.cord.org/lev2.cfm/65>. [3 April 2013].
- Costa, A.L. (1985), *Developing Minds: A Resource Book for Teaching Thinking*, Alexandria: ASCD. Dodrige, M. (1999). Generic skill requirements for engineers in the 21<sup>st</sup> century, *ASEE/IEEE Frontiers in Education Conference*, Puerto Rico: San Juan.
- Darlina. (2008). *Kompetensi Ilmiah dan Kelemahan Pendidikan Sains*. [Online]. Tersedia: <http://www.indricidjie.wordpress.com>. [9 Juni 2013].
- Depdiknas, (2003). *Kurikulum 2004 : standar kompetensi, mata pelajaran Fisika, Sekolah menengah atas dan madrasah aliyah*, Jakarta : Depdiknas.
- Driver, R & Leach, J. (1993). *Constructing Scientific Knowledge in the Classroom*. . [Online]. Tersedia: <http://www.edr.sagepub.com>. [9 Juni 2013].
- Fraenkel, J. R & Wallen, N. M. (1993). *How to Design and Evaluate Research in Education*. Singapore: Educational Series.
- Gipps, C. (1994). *What We Know about Effective Primary Teaching*. Dalam Jill Bourne (Ed.). *Thinking Through Primary Practice*. London: The Open University.
- Hung & Wong. (2000). *Evaluationary Monte Carlo: Model Sampling and Change Point Problem*. Singapura: *The National University*. 317-338.
- Johnson. (1989). *Making Cooperative Learning Work*. [Online]. Tersedia: [tandfonline.com](http://tandfonline.com). [9 Juni 2013].
- Jonassen, D. H. (1991). *Objectivism versus Constructivism : Do We Need a New Philosophical Paradigm?* Educational Technology Research and Development, 39(3), 5-14.
- Karim, S. dkk. (1998). *Belajar IPA Membuka Cakrawala Alam Sekitar untuk Kelas VII Sekolah Menengah Pertama/Madrasah Tsanawiyah*. Jakarta: Pusat Perbukuan Departemen Pendidikan Nasional.
- Liliasari, dkk. (2000). *Pengembangan model pembelajaran materi subyek untuk meningkatkan keterampilan berpikir konseptual tingkat tinggi mahasiswa calon guru IPA (studipengembangan berpikir kritis)*, Penelitian. HB Dikti.
- Margo, M. C. (1997). *Science and Technology*, Manila. The Book Media Press.

- Martin, M. et.al. (2000). *TIMSS 1999. International science report*. Boston: Boston University.
- Marzuki. (2011). *Program Pembelajaran Fisika Untuk Meningkatkan Pemahaman Konsep dan Kemampuan Generic Sains Siswa Sekolah Menengah Pertama*. Disertasi UPI Bandung. Tidak diterbitkan.
- Mayer, R. E. (1992). *Cognition and Instruction : Their Historic Meeting Within Educational Psychology*. *Journal of Educational Psychology*, 84(4) 405-412.
- Mergendoller, J. R & Thomas, J. W. (2000). *Managing Project Based Learning : Principles from The Field*. Novato, CA : Buck Institute for Education.
- Moore, D. (1999). *Toward a Theory of Work-Based Learning*. IEE Brief, 23 (January) [Online]. Tersedia: <http://www.oaisd.org>. [9 Juni 2013].
- Moursund, et.al. (1997). *Project Based Learning Vs Traditional Instruction in the Fouth Grade Science Curriculum*.
- National Science Education Standards*. (1996). [Online]. Tersedia: <http://www.nap.edu/catalog/4962.html>. [9 Juni 2013].
- Nickerson, R. S. (1985), *The Teaching of Thinking*, New Jersey: Lawrence Erlbaum Associate Publishers.
- Oakey, J. (1998). *My PBL Odyssey*. [Online]. Tersedia:<http://www.bobpearlman.org>. [9 Juni 2013].
- Rutherford, F.J & Ahlgren, A. (1990). *Science for all Americans*. New York: Oxford University Press.
- Santayasa, Wayan. (2009). *Pengembangan Pemahaman Konsep dan kemampuan Pemecahan Masalah Fisika Bagi Siswa Sma dengan Pemberdayaan Model Perubahan Konseptual Berseting Investigasi Kelompok*. Jurusan Pendidikan Fisika Universitas Pendidikan Ganesha. Tidak diterbitkan.
- Scardamalia. (1999). *Collective Cognitive Responsibility for the Advancement of Knowledge*. [Online]. Tersedia: [http:// books.google.co.id](http://books.google.co.id). [9 Juni 2013].
- Simons. (1996). *Overview of Problem Based Learning: Defenitions and Distinction*. [Online]. Tersedia:<http://www.docs.lib.purdue.edu>. [9 Juni 2013].

- Suma, K. (2003). *Pembekalan Kemampuan-kemampuan fisika bagi calon guru melalui mata kuliah fisika dasar, Disertasi*. Bandung: PPS UPI: Tidak diterbitkan.
- Suwarna, I. P. (2005). *Model Pembelajaran Listrik Dinamis untuk Meningkatkan Keterampilan Proses Sains dan Berpikir Kreatif Siswa SMP. Tesis*, Bandung: PPS UPI: Tidak diterbitkan.
- Thiagarajan, S. et.al. (1974). *Instructional development for training teachers of exceptional children. A Source Book*. Blomington; central for innovation on teaching the handicapped.
- Tools & Resources. (1999). *Back Institute for Education*. Washington: Creative commons attribution.
- Trilling, B & Hood, P. (1999) *Learning, Technology, and Education Reform in the Knowledge Age*, 1-26.
- Universitas Pendidikan Indonesia. (2012). *Pedoman Penulisan Karya Ilmiah*. Bandung: UPI Press.
- Waras, K. (2001). *Pembelajaran Berbasis Proyek: Suatu Pendekatan Inovatif Pendidikan Teknologi dan Kejurusan*. Vol II, 1-26. [9 Juni 2013].
- Wilson, B. (1995). *Project Based Learning: An instructional Model and its Constructivist framework*. [Online]. Tersedia: <http://uw.calvepublishing.net>. [9 Juni 2013].