

DAFTAR PUSTAKA

- Anagun, S. S., and Yasar, S. (2009). *Reliability and Validity Studies of The Science and Technology Course Scientific Attitude Scale*. Journal of Turkish Science Education, 6 (2), 43-45
- Anderson, L. W. & Krathwohl, D. R. (eds) (2001). *A Taxonomy for Learning Teaching and Assesing. A Revision of Bloom's Taxonomy of Education Objectives*. New York : Addisin Wesley
- Akpullukcu, S., Gunay, Y. (2011). *The Effect of Inquiry Based Learning Environment in Science and Technology Course on The Students' Academic Achievements*. Western Anatolia Journal of Educational Science, ISSN 1308-8971 : 417-422. Tersedia : <http://web.deu.edu.tr/baed> [20 Nopember 2013]
- Arends, R. I. (2001). *Learning to Teach* (Fifth ed.). Boston: McGraw-Hill.
- Arikunto, S., (2006), *Dasar-Dasar Evaluasi Pendidikan*, Bandung : PT. Remaja Rosda Karya.
- Baser, M. (2006). *Effect of Conceptual Change Oriented Instruction on Students' Understanding of Heat and Temperature Concepts*, Journal Maltese Education Research. Vol : 4 No. 1 2006. 64-79. Tersedia : www.educ.um.edu.mt/jmer
- Bound, J & Ton, P. (2005). *Handbook Problem Solving Laboratory Guide For Students* . London : Departement of Materials Queen Mary University of London
- Brad, A. (2011). *A Study of The Problem Solving Activity in High School Student : Strategies and Self-Regulated Learning*. Acta Didactica Napocensia. (Online). 4 (1): 21-30
- Brok, P. D., Taconis, R. dan Fisher, D. (2010). *How Well Do Science Teacher Do? Differences in Teacher-student Interpersonal Behaviour Between Science Teachers and Teachers of Other (School) subjects*. The Open Education Journal. 3 : 44-53
- Brossard, D., Lewenstien, B., and Bonney, R. (2005). *Scientific Knowledge and Attitude Change : The Impact of a Citizen Science Project*. International Journal of Science Education. 27 (9): 1099-1121
- Dahar, R, W. (1996). *Teori-Teori Belajar*. Jakarta : Erlangga.
- Damanik, P, D., Bukit, N. (2013). *Analisis Kemampuan Berpikir Kritis dan Sikap Ilmiah Pada Pembelajaran Fisika Menggunakan Model Pembelajaran*

Inquiry Training (IT) dan Direct Instruction (IT). Jurnal Online Pendidikan Fisika. 2 (1) : 2301-7651

Danty, R. (2001). *Penerapan Pendekatan Sains Teknologi Masyarakat dalam Pembelajaran Pencemaran Air untuk Meningkatkan Keterampilan Berpikir Rasional Siswa di SMU Negeri 14 Bandung*. Skripsi. Bandung : UPI

Dimiyati & Mudjiono. (2002). *Belajar dan Pembelajaran*. Jakarta : Rineka Cipta

Dwi, I, M., Arif, H., dan Sentot, K. (2013). *Pengaruh Strategi Problem Based Learning Berbasis ICT Terhadap Pemahaman Konsep dan Kemampuan Pemecahan Masalah Fisika*. Jurnal Pendidikan Fisika Indonesia, 9 : 8-17

Erceg, N., Masusic, M. & Slisko, J. (2011). *Students' Strategy for Solving Partially Specified Physics Problem*. *Revista Mexicana De Fisica*. (Online), 57 (1): 44-50

Eric. (2003). *Teaching Problem Solving Secondary School Science*. Tersedia : <http://www.ericfacility.net/ericdigest/ed309049.html> [20 Nopember 2013]

Farooq, Pitafi. (2012). *Measurement of Scientific Attitude of Secondary School Students in Pakistan*. Published In Academic Research International, vol 2, no 2 : 379-392

Gavrin, A. (2006). *Just In Time Teaching*. Published In Metropolis Universities, 17 (4) : 9-18

Gavrin, A. Watt, J., Marrs, K., & Blake, R. (2004). *Just In Time Teaching: Using The Web to Enhance Classroom Learning*. Computers in Education Journal, XVI (2) : 51-59

Gaigher, E., Rogan J. M and Braun, M. W. H. (2007). *Exploring The Development of Conceptual Understanding through Structured Problem-Solving in Physics*. *International Journal of Science Education*. 29, (9), 1089-1110

George, R. (2000). *Measuring Change in Students Attitudes toward Science over time : An Application of Latent Variable Growth Modelling*. Journal of Science Education and Technology . 9, (3), 213-225

Hamzah, B., Uno, (2008), *Model Pembelajaran Menciptakan Proses Belajar Mengajar yang Aktif dan Kreatif*, Jakarta : Bumi Aksara.

Harlen., Qualter. (2004), *The Teaching of Science in Primary Schools*, London : David Fulton Publisher Ltd

Harlen. (2000), *Teaching, Learning and Assesing Science 5-12*, London : Paul Chapman Publishing Ltd.

- Hartono, M., Sahyar. (2012). *Analisis Pemahaman Konsep dan Kemampuan Pemecahan Masalah Fisika Pada Model Pembelajaran Berbasis Masalah dengan Pembelajaran Langsung Menggunakan Bantuan Peta Konsep*. Jurnal Penelitian Inovasi Pembelajaran Fisika AGFI SU, ISSN 2085-5281 4 (2) : 44-49
- Ibrahim, M. (2003). *Belajar Kooperatif*. Surabaya : Unnes
- Jonassen. (2004). *Learning to Solve Problems, An Instructional Design Guide*. San Fransisco : John Wiley & Sons, Inc
- Joyce, B. (1992). *Models of Teaching* (fourth ed.). Massachusetts: Allyn and Bacon.
- _____, (2009). *Model of Teaching: Model-Model Pengajaran*. Terjemahan oleh Achmad Fawaid dan Ateilla Mirza. Yogyakarta: Pustaka Pelajar
- Liliasari, (1996). *Beberapa pola berpikir dalam Pembentukan Pengetahuan Kimia oleh Siswa SMA*. Disertasi PPS IKIP Bandung : Tidak diterbitkan
- _____, (2005). *Membangun Keterampilan Berpikir Manusia Indonesia Melalui Pendidikan Sains*. Makalah pada Pidato Pengukuhan Guru Besar Tetap IPA. Bandung : UPI
- Matlin, M. E. (2009). *Cognitive Psychology*. Seventh Edition. International Student Version. John Wiley & Sons, Inc.
- Orbay, M., Gokdere, M., Tereci, H., and Aydin, M. (2010). *Attitudes of Gifted Students towards Science Depending on Some Variabels*. A Turkish Sample. Academic Journal, 5 (7), 693-699
- Ornek, F., Robinson, W. R. dan Haugan, M. P. (2008). *What Make Physics Difficult? . International Journal of Environmental & Science Education*. 3 (1) : 30-34
- Olio, D. J., Donk, T. (2007). *Models of Teaching, Connecting Student Learning with Standards*. California : Sage Publication
- Osborne, J. (2003). *Attitudes towards Science : A Review of The Literature and Its Implications*. Int. J. Sci. Educ. 25 (9), 1049-1079
- Nasrodin, Hindarto, N., dan Supeni, S. (2013). *Analisis Kebiasaan Bekerja Ilmiah Mahasiswa Fisika Pada Pembelajaran Mata Kuliah Praktikum Fisika Dasar*. Unnes Physics Education Journal, 2 (1) : 84-91. Tersedia : <http://journal.unnes.ac.id/sju/index.php/upej> [27 Nopember 2013]
- Nicholl, J. M., Rose, C., (2002). *Accelerated Learning For The 21st Century*, Alih bahasa Dedy Ahimsa. Bandung : Nuansa Cendekia

- Novak, G., Gavriani, A., Christian, W. (1999). *Just in Time Teaching : Blending Active Learning with Web Technology*. Tersedia : [http://serc. Carleton. Edu/resources/395.html](http://serc.carleton.edu/resources/395.html) [20 Nopember 2013]
- Pandey, A., Nanda, K, G., Ranjan, V. (2011). *Effectiveness of Inquiry Training Model Over Conventional Teaching Method on Academic Achievement of Science Students in India*. *Journal of Innovative Research in Education*, 1 (1) : 7-20
- Papanastasiou, C. (2002). *Scholl, Teaching, and Family Influence on Student Attitudes toward Science* : Based on TIMSS data for Cyprus. *Studies in Educational Evaluation*, 28 : 71-86
- Petrina, S. (2007), *Advanced Teaching Methods for The Technology Classroom*, Canada : Information Science Publishing
- Poerwadarminto, W. J. S. (2002). *Kamus Besar Bahasa Indonesia*. Jakarta : Balai Pustaka
- Polya, G. (1985). *How To Solve It*. 2nd ed., Princeton University Press, ISBN 0-691-08097-6. (online). Tersedia : <http://www.math.utah.edu/~pa/math/polya.html> [20 Nopember 2013]
- Prokop, P., Tuncer, G and Chuda, J. (2007). *Slovakian Students Attitudes toward Biology*. *Erusian Journal of Mathematics, Science & Technology Education*, 3 (4), 287-295
- Reddish, F, E. (2002), *Teaching Physics with The Physics Suite*, Tersedia : www2.physics.umd.edu/~redish/Book/. [27 Juli 2013]
- Resnick, H. (1985), *Fisika Edisi Ketiga*. Bandung : Erlangga
- Roth, W. M. & Roychoudhury, A. (1993). *The Concept Map as a Tool for the Collaborative Construction of Knowledge: A Microanalysis of High School Physics Students*. *Journal of Rescarch in Science Teaching*. 30(5): 503-534.
- Saleh, S. (2011). *The Level of B.Sc.Ed Students' Conceptual Understanding of Newtonian Physics*. *International Journal of Academic Research in Business and Social Sciences* October 2011, Vol. 1, No. 3 ISSN : 2222-6990
- Sanjaya, W. (2008), *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*. Jakarta : Prenada Media
- Selcuk, S, G., Caliskan, S., Erol, M. (2008). *The Effects of Problem Solving Instruction on Physics Achievement, Problem Solving Performance and Strategy Use*. *Lat. Am. J. Phys. Educ*, 2 (3) : 151-166. Tersedia : <http://www.journal.lapen.org.mx> [29 Nopember 2013]

- Simkins, S., Maier, M. (2010), *Just In Time Teaching : New Pedagogis and Practise for Teaching in Higher Education*, Virginia : Stylus Publishing, LLC
- Sirait, R. (2012). *Pengaruh Model Pembelajaran Inquiry Training Terhadap Hasil Belajar Siswa Pada Materi Pokok Usaha dan Energi Kelas VIII MTS N 3 Medan*. Jurnal Pendidikan Fisika Dikfis Pascasarjana Unimed. 1 (1) : 21-26
- Slameto. (2003). *Belajar dan Faktor-Faktor yang Mempengaruhinya*. Jakarta : Rineka Cipta.
- Sudarma, F, T., Motlan. (2013). *Efek Model Pembelajaran Kooperatif Tipe STAD Berbasis Just In Time Teaching Terhadap Hasil Belajar Fisika Pada Mata Kuliah Fisika Sekolah Di Jurusan Fisika FMIPA Unimed*. Jurnal Online Pendidikan Fisika Pro Dikfis Pascasarjana Unimed, ISSN 2301-7651, 2 (1) : 9-15
- Sudjana. (2005). *Metoda Statistika*. Bandung: Tarsito
- Sihombing, E., Rajagukguk, J., Simamora, P. (2011). *Fisika Dasar 2*. Medan: Perdana Mulya Sarana
- Trianto. (2007). *Model-model Pembelajaran Inovatif Berorientasi Konstruktivistik*. Jakarta : Prestasi Pustaka.
- Trowbridge, L.W. & Bybee, R.W. (1990). *Becoming a Secondary School Science Teacher* (fifth ed.). Columbus: Merrill Publishing Company.
- Vaishnav, S, R. (2013). *Effectiveness of Inquiry Training Model for Teaching Science*. An International Peer Reviewed, Scholarly Research Journal for Interdisciplinary Studies, ISSN 2278-0808. 1 (5) : 1216-1220. Tersedia : srjis.com [20 Nopember 2013]
- Walsh, L. N., Howard, R. G. & Bowe, B. (2007). *Phenomenography Study of Students' Problem Solving Approach in Physics*. Physics Education Research. (Online). 3 (2)
- Wijayanti, P.I., Mosik & Hindarto, N. (2010). *Eksplorasi Kesulitan Belajar Siswa Pada Pokok Bahasan Cahaya dan Upaya Peningkatan Hasil Belajar Melalui Pembelajaran Inkuiri Terbimbing*. Jurnal Pendidikan Fisika Indonesia. 6: 1-5
- Wirtha, M., Rapi, K. (2008). *Pengaruh Model Pembelajaran dan Penalaran Formal Terhadap Penguasaan Konsep Fisika dan Sikap Ilmiah Siswa SMA Negeri 4 Singaraja*. Jurnal Penelitian dan Pengembangan Pendidikan Undiksha, 1 (2) : 15-29