

## DAFTAR PUSTAKA

- Alwan, A.A. (2011). Misconception of heat and temperature Among physics students. *Procedia Social and Behavioral Sciences*, 12, hlm. 600-614.
- Arikunto, S. (2009). *Dasar-Dasar Evaluasi Pendidikan*. Jakarta: Bumi Aksara.
- Arikunto, S. (2010). *Prosedur Penelitian*. Jakarta: Rineka Cipta.
- Bao, L & Redish, E.F. (2006). Model Analysis: Representing and Assessing The Dynamics of Student Learning. *Physical Review Special Topics-Physics Education Research*, 2.
- Bao, L. dkk. (2002). Model Analysis of Fine Structures of Student Models: An Example with Newton's Third Law. *American Journal of Physics*, 70 (7), hlm. 766-778.
- Başer, M. (2006). Fostering Conceptual Change by Cognitive Conflict Based Instruction on Students' Understanding ff Heat and Temperature Concepts. *Eurasia Journal of Mathematics, Science and Technology Education*, 2 (2), hlm. 96-114.
- Berg, V. D. (1991). *Miskonsepsi Fisika dan Remediasi*. Salatiga: Universitas Kristen Satya Wacana.
- Caleon, I & Subramaniam, R. (2010). Development and Application of a Three-Tier Diagnostic Test to Assess Secondary Students' Understanding of Waves. *International Journal of Science Education*, 32 (7), hlm. 939–961.
- Cañas, A.J, dkk. (2003 a). *The network architecture of Cmaptools*. Institute for Human and Machine Cognition. [Online]. Tersedia: www. Ihmc.us. [26 Januari 2015]
- Cañas, A.J, dkk. (2003 b). *Support for constructing knowledge models in Cmaptools*. Institute for Human and Machine Cognition. [Online]. Tersedia: www. Ihmc.us. [26 Januari 2015]
- Chei, C. (2008). *The Effect of Concept Mapping on Student's Learning Achievements and Interests*. Prancis: Routledge: Inovations In Education and Teaching International.
- Chiou, C. (2008). *The Effect of Concept Mapping on Student' Learning Achievments and Interests*. Beijing: Innovations in Education and Teaching International.
- Chu, H.E, dkk. (2009). A Stratified Study of Students' Understanding of Basic Optics Concepts in Different Contexts Using Two-Tier Multiple-Choice Items. *Research in Science & Technological Education*. 27 (3), hlm. 253–265.
- Dahar, R. W. (1989). *Teori-teori Belajar*. Jakarta: Erlangga.

Alfiani, 2015

PENGARUH PENERAPAN CMAPTOOLS PADA MODEL PEMBELAJARAN ELICIT-CONFRONT-IDENTIFY-RESOLVE-REINFORCE (ECIRR) TERHADAP KONSISTENSI KONSEPSI SISWA SMA DAN PENURUNAN KUANTITAS SISWA MISKONSEPSI PADA MATERI SUHU DAN KALOR

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- Giancoli, D.C. (2001). *Fisika Edisi Kelima Jilid I*. Jakarta: Erlangga.
- Gooding, J. & Metz, B. (2011). *From Misconceptions to Conceptual Change: Tips for Identifying and Overcoming Students' Misconceptions*. Pennsylvania: The Science teacher.
- Hamdani. (2013). *Penerapan Model ECIRR Menggunakan Kombinasi Real laboratory dan Virtual Laboratory untuk Mereduksi Miskonsepsi dan Meningkatkan Keterampilan Proses Sains Mahasiswa Tentang Konsep-Konsep Rangkaian Listrik*. (Tesis). Sekolah Pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Hammer, D. (1996). More Than Misconceptions : Multiple Perspectives on Student Knowledge and Reasoning, and an Appropriate Role for Education Research, Am. *J. Phys*, 64 (10), hlm. 1316-1325.
- Hogart, R. (1982). *Questioning and Response Consistency*. United State od America: Jossey-Bass Inc.
- Kaltakçı, D & Didiş, N. (2007). Identification of Pre-service Physics teacher's Misconception on Gravity Concept: A Study tith a 3-Tier Misconception test. *Sixth International Conference of the Balkan Physical Union: American Instirute of Physics*.
- Kemdikbud. (2014). *Materi Pelatihan Implementasi Kurikulum 2013 tahun ajaran 2014, Mata Pelajaran Fisika SMA/SMK*. Jakarta: tidak diterbitkan.
- Klammer, J. (1998). An Overview of Techniques for Identifying, Acknowledging and Overcoming Alternate Conceptions in Physics Education. Educational Resources Information Center (ERIC). [Online]. Tersedia: <http://eric.ed.gov/?id=ED423121>. [1 Agustus 2015]
- Kolomuc, dkk. (2012). The effect of animation enhanced worksheets prepared based on 5E model for the grade 9 students on alternative conceptions of physical and chemical changes. *Procedia Social and Behavioral Sciences*, 46, hlm. 1761 – 1765.
- Mardiana, R. (2013). *Analisis Konsistensi Konsepsi Siswa Menggunakan Model Analysis Berdasarkan Pengalaman Belajar Fisika pada Materi Gelombang*. (Skripsi). FPMIPA, Universitas Pendidikan Indonesia, Bandung.
- Mc. Millan, J.H & Schumacher, S. (2001). *Research in Education A Conceptual Introduction*. New York & London: Longlam.

- Murat. (2012). The Effect of University Process in Improving The Misconceptions of Pre-service Science Teachers About Motion. *Journal of Baltic Science Education*, 8 (3), PI145.
- Novak, J. D. & Canas, A. J. (2004). *Building on New Constructivist Ideas and Camptools to Create a New Model for Educational*. Institute for Human and Machine Cognition. [Online]. Tersedia: www. Ihmc.us. [26 Januari 2015]
- Novak, J. D. & Canas, A. J. (2008). *Technical Report IHMC: The Theory Underlying Cooncept Maps and How to Construct and Uses Them*. Institute for Human and Machine Cognition. [Online]. Tersedia: www. Ihmc.us. [26 Januari 2015]
- Pesman, H. & Eryilmaz, A. (2010). Development of a Three-Tier Test to Assess Misconceptions About Simple Electric Circuits. *The Journal of Educational Research*. 103, hlm. 208-222.
- Riduwan. (2012). *Skala Pengukuran Variabel-Variabel Penelitian*. Bandung: Alfabeta.
- Sabli, D. (2009). Analisis MiskONSEPSI Siswa Madrasah Aliyah (MA) Kelas X pada Subkonsep Pencemaran Lingkungan. (Skripsi). FPMIPA UPI, Universitas Pendidikan Indonesia, Bandung.
- Smith, J. D.(2006). *Inklusi, Sekolah Ramah Untuk Semua*. Jakarta: Nuansa.
- Sözbilir, M. (2003). A review of selected literature on students' misconceptions of heat and temperature. *Boğaziçi University Journal of Education*. 20 (1), hlm. 25-41.
- Suhendi, H.S. (2014). *Penerapan Model pembelajaran ECIRR Berbantuan Media Simulasi Virtual untuk Meningkatkan Pemahaman Konsep dan Mengidentifikasi Miskonsepsi Siswa*. (Tesis). Sekolah pascasarjana, Universitas Pendidikan Indonesia, Bandung.
- Suparno, P. (2005). *Miskonsepsi & Perubahan Konsep Pendidikan Fisika*. Jakarta: Grasindo.
- Tan, D. K. dkk. (2005). The Ionisation Energy Diagnostic Instrument: a Two-tier Multiple-choice Instrument to Determine High School Students' Understanding of Ionisation Energy. *Chemistry Education Research and Practice*, 6 (4), hlm. 180-197.
- Taşlıdere, E. (2013). Effect of Conceptual Change Oriented Instruction on Students' Conceptual Understanding and Decreasing Their Misconceptions in DC Electric Circuits. *Scientific Research*, 4 (4), hlm. 273-282.
- Tongchai, dkk. (2008). Students' Conceptual Knowledge of Mechanical Waves Across Different Backgrounds and Cultures. In A, Hugman and K. Placing (Eds) *Symposium*

*Proceedings: Visualisation and Concept Development*, UniServe Science, The University of Sydney.

- Tongchai, dkk. (2011). Consistency of Students' Conceptions of Wave Propagation: Findings From A Conceptual Survey in Mechanical Waves. *Physical Review Special Topics-Physics Education Research*, 7, hlm. 1-11.
- Treagust, D. F. (1988). Development and use of diagnostic tests to evaluate students' misconceptions in science. *International Journal of Science Education*, 10 (4), hlm. 159-169.
- Utari, dkk. (2012). Efektifitas Penerapan Metode *Peer Instruction with Structured Inquiry* (PISI) dengan Menggunakan *Prototype* Media Berbasis *Cmaptools* (PMBCT) untuk Mengurangi MiskONSEPSI Siswa. *Jurnal Universitas Pendidikan Indonesia*, 17 (1).
- Wenning, C. J. (2008). Dealing More Effectively With Alternative Conceptions In Science. *Journal of Physics teacher Education Online*, 5 (1), hlm. 11-19.
- Yeo, S & Zadnik, M. (2001). Introductory Thermal Concept Evaluation: Assessing Students' Understanding. *The Physics Teacher*, 39, hlm. 496-504.
- Zacharia, Z.C & Constantinou, C. P. (2008). Comparing the Influence of Physical and Virtual Manipulatives in the Context of The Physics by Inquiry Curriculum: The Case of Undergraduate students' Conceptual Understanding of Heat and Temperature. *American Journal of Physic*, 76 (4&5), hlm. 425-430.
- Zacharia, Z.C. & Anderson, O. R. (2003). The Effects an Interactive Computer-Based Simulation Prior to Performing a Laboratory Inquiry-Based Experiment on Science teachers' Conceptual Understanding of Physics. *American Journal of Physic*, 71 (6), hlm. 618-629.