

DAFTAR PUSTAKA

- Amer, A., (2005). *Analytical Thinking*. Cairo: Center of Advancement of Postgraduate Studies and Research in Engineering Sciences, Cairo University (CAPSCU), 1-14.
- Barak, M. & Shakhman, L., (2008). "Reform-Based Science Teaching: Teachers' Instructional Practices and Conceptio". *Eurasia Journal of Mathematics, Science & Technology Education*, 4 (1), 11-19 Israel: Ben-Gurion University of the Negev, Beer Sheva.
- Baser, M., (2006). "Fostering Conceptual Change by Cognitive Conflict Based Instruction on Students' Understanding of Heat and Temperature Concepts". *Eurasia Journal of Mathematics, Science and Technology Education*, 2 (2), Juli, 96-108.
- Cohen, G., A., (2000). *Karl Marx's Theory of History*. US: Princenton University Press; OK: Oxford University Press, vii.
- Creswell, J. W. & Clark, V. L. P., (2007). *Mixed Methods Research*. USA: Sage Publications, Inc., 67-71.
- Dori, Y. J. & Belcher, J., (2004). "Improving Students' Understanding of Electromagnetism through Visualizations --- A Large Scale Study". NARST: the National Association for Research in Science Teaching Conference, tanpa halaman.
- Dykstra, D. I. & Sweet, D. R., (2009). "Conceptual Development about Motion and Force in Elementary and Middle School Students". *American Association of Physics Teachers, Am. J. Phys.* 77 (5), May, 468-476.
- Elder, L. & Paul, R., 2007. *Analytic Thinking: The Elements of Thinking and The Standards They Must Meet*. Tersedia: <http://www.criticalthinking.org>, [11 Agustus 2011], 5-7.
- Escudero, C., Moreira, A. M., & Caballero, C., (2009). "A research on undergraduate students' conceptualizations of physics notions related to non-sliding rotational motion". *Lat. Am. J Phys. Educ.* 3 (1), Januari, 1-7.
- FKIP Unram (2011). *Pedoman Penyelenggaraan Pendidikan FKIP Universitas Mataram*. Mataram University Press.
- Gopnik, A. & Schulz, L., (2007). *Causal Learning: Psychology, Philosophy, and Computation*. New York: Oxford University Press, Inc., 86-94.

- Hake, R., (1999). *Analyzing Change/Gain Scores*. [online]. Tersedia: <http://www.physics.indiana.edu/sdi/AnalyzingChange-Gain.pdf>. [5 Pebruari 2011].
- Hake, R., (2007). "Six Lessons From The Physics Education Reform Effort". *Latin American Journal of Physics Education* 1, (1); September, 24-27.
- Hamilton, A., (2001). *Managing Subjects for Success*. London: Albert Hamilton and Thomas Telford Limited, 36-44.
- Hill, S. E., (2011). "Reanalyzing the Ampere-Maxwell Law". *AAPT Physics Education, The Physics Teacher*. Redlands, CA: University of Redlands, 49, September, 343-345.
- Hung, W. & Jonassen, D. H., (2006). "Conceptual Understanding & Causal Reasoning in Physics". *International Journal of Science Education*, 28 (13), Oktober, 1601-1621.
- Kasser J. L., (2006). *Philosophy of Science, part 1 of 3*. USA: The Teaching Company, 14.¹
- _____, (2006). *Philosophy of Science, part 2 of 3*. USA: The Teaching Company, 92-126.²
- Kuçtikozer, H. & Demirci, N., (2008). "Pre-Service and In-Service Physics Teachers' Ideas about Simple Electric Circuits". *Eurasia Journal of Mathematics, Science & Technology Education*, 4 (3), 303-308. Turkiye: Balikesir Universitesi, Balikesir.
- Lenzen, V. F., (1954). *Causality In Natural Science*. USA: Charles C Thomas Publisher Springfield Illinois, 2-27.
- Marzano, R. J. & Brown, J. L., (2009). *A Handbook For The Art and Science of Teaching*. USA: ASCD, 134-135.
- Marazano, R. J. & Kendall, J. S., (2008). *Designing & Assessing Educational Objectives: Applying the New Taxonomy*. USA: Corwin Press, 3.
- Marquardt, M. J., (2004). *Optimizing the power of Action Learning: Solving Problem and Building Leaders in Real Time*. California: Davies-Black Publishing, 91-103.
- Mbajiorgu, N. & Reid, N., (2006). *Faktors Influencing Curriculum Development in Higher Education Physics, Report of a Literature Review*. University of Glasgow: The Higher Education Academy Physical Science Centre. www.physsci.heacademy.ac.uk, [10 Juli 2011], 3-4.
- McDougall, D. E. & Ross, J. A., (2004). *Proceeding of the Twenty-Sixth Annual Meeting: North American Chapter of the International Group for the*

- Psychology of Mathematics Education*, 1, *PME-NA XXVI: Assessment*. Windsor, Ontario: Preney Print and Litho Inc., 331-334.
- Meder, B., (2006). *Seeing versus Doing: Causal Bayes Nets as Psychological Models of Causal Reasoning*. Dissertation, zur Erlangung des Doktorgrades der Mathematisch-Naturwissenschaftlichen Fakultäten-Universität zu Göttingen, 31.
- Minium, E. W., King, B. M., Bear, G., (1993). *Statistical Reasoning in Psychology and Education*. New York: John Wiley & Sons, Inc., 488-489, 579.
- Norton, J. D., (2008). *Is There an independent Principle of Causality in Physics? A comment of Matthias Frisch, "Causal Reasoning in Physics."* www.pitt.edu/~jdnorton, [10 Agustus 2011], 2.
- Obaidat, I. & Malkawi, E., (2009). "The Grasp of Physics Concepts of Motion: Identifying Particular Patterns in Students' Thinking". Georgia Southern University: International Journal for the Scholarship of Teaching and Learning, 3 (1), Januari, 11-12.
- Parselle, C., (tanpa tahun). *Analytical / Intuitive Thinking*. Google, Home: Reference and Education, Psychology.
- Paul, R. & Elder, L., (2003). *The Foundations of Analytic Thinking: The Elements of Thinking and The Standards They Must Meet, Second edition*. www.criticalthinking.org. [11 Agustus 2011], 3-15 & 42.
- _____. (2006). *The Foundation for Critical Thinking: The Miniature Guide to Critical Thinking, Concepts and Tools*, www.criticalthinking.org. [11 Agustus 2011], 4-22.
- Rasagama, I. G., (2011). *Pengembangan Program Perkuliahan Fisika untuk Meningkatkan Kemampuan Menganalisis dan Mengkreasi Mahasiswa Teknik Konversi Energi Politeknik*. Disertasi Doktor pada Pendidikan IPA. Universitas Pendidikan Indonesia: tidak diterbitkan.
- Riduwan dan Kuncoro E. A. (2011). *Cara Menggunakan dan Memakai Path Analysis*, Bandung: CV Alfabeta, 20-22.
- Sloman, S., (2005). *Causal Models: How People Think about The World and its Alternatives*. New York: Oxford University Press, Inc., 39-45.
- Suharsaputra, U. (2012). *Metode Penelitian, Kuantitatif, Kualitatif, dan Tindakan*. Bandung: PT Refika Aditama, 82-84, 161.
- Sugiyono, (2011). *Statistika Untuk Penelitian*, Bandung: Alfabeta, 244-247.

Wikipedia (2009). *Problem Solving*. Tersedia:
<http://en.wikipedia.org/wiki/problem-solving>, [11 Agustus 2011].

Yürük, N. (2007). "A Case Study of One Student's Metaconceptual Processes and the Changes in Her Alternative Conceptions of Force and Motion". *Eurasia Journal of Mathematics, Science & Technology Education*, 3 (4), 305-325. Turkey: Gazi Universitesi.

Zschunke, A., (2000). *Reference Materials in Analytical Chemistry*. Germany: Springer Verlag Berlin Heidelberg, 2.