

DAFTAR PUSTAKA

- Al-Suleiman N. (2009). Cross cultural studies and creative thinking abilities. *Journal of Educational and Psychologic Science*. 1, (1), hlm. 42-49.
- Anderson, L.W. (Ed.), Krathwohl, D.R. (Ed.), Airasian, P.W., Cruikshank, K.A., Mayer, R.E., Pintrich, P.R., Raths, J., & Wittrock, M.C. (2001). *A taxonomy for learning, teaching, and assessing: A revision of Bloom's Taxonomy of Educational Objectives (Complete edition)*. New York: Longman.
- Arias H., Lazo L., dan Canas F. (2014). Experimental activities in the laboratory of analytical chemistry under an inquiry approach. *J. Chil. Chem. Soc.* 59, (4), hlm. 2747-2752.
- Astawan, M. (2009). *Sehat dengan Hidangan Kacang dan Biji-bijian*. Penebar Swadaya. Jakarta.
- Awang H. & Ramli I. (2008). Creative thinking skill approach through problem-based learning: pedagogy and practice in the engineering classroom. *International Journal of Social Sciences*. 3, (1), 18–23.
- Bailey C.P., Minderhout V., dan Loertscher L. (2012). Learning transferable skills in large lecture halls: implementing a pogil approach in biochemistry. *Biochemistry and Molecular Biology Education*, 40, (1), hlm. 1-7.
- Bayram Z., Oskay O.O., Erdem E., Ozgur S.D., dan Sen S. (2013). Effect of inquiry based learning method on students motivation. *Procedia-Social and Behavioral Sciences*. 106, hlm. 988-996
- Brotosiswoyo, B.S. (2000). *Kiat Pembelajaran MIPA dan Kiat Pembelajaran Fisika di Perguruan Tinggi*. Jakarta: Departemen Pendidikan Nasional Kualifikasi Nasional Indonesia.
- Buck L.B., Bretz S.L., dan Towns M.H. (2008). Research and teaching: characterizing the level of inquiry in the undergraduate laboratory. *Journal of College Science Teaching*. 38, (1), hlm. 52-58.

- Carter J., dan Steiger R. (2014). Crime scene inquiry activity : using a modern research tecniqe to teach about photosynthesis and isotopes. *Journal of Laboratory Chemical Education.* 2, (2), hlm. 18-24.
- Chanasut, U dan Rattanapanone, N. (2012). Characterization and comparative study of polyphenol oxidases from four cultivars of thai *Solanum melogena* fruits. CMU. J. Nat. Sci. (2012) Vol 11(2). hlm. 187-202.
- Chatterjee S. (2009). Surveying students' attitudes and perceptions toward guided-inquiry and open-inquiry laboratories. *Journal of Chemical Education.* 86, (12), hlm. 1427-1432.
- Cheng V.M.Y. (2010). Teaching creative thinking in regular science lessons: potentials and obtacles of three different aproaches in an asian context. *Asia-Pacific Forum on Science Learning and Teaching.* 11, (1), 17, hlm. 1-21.
- Chikezie, P.C. (2015). Kinetic studies of polyphenol oxidase from white yam (*Dioscorea rotundata Poir*) tuber. *Journal Nutrition and Food Science.* 5,2. Open access.
- Costa, A.L. (ed). (1985). Goal for a critical thinking curriculum: *Developing minds: a Resource Book for Teaching Thinking.* Alexandria: ASCD
- Departemen Pendidikan Nasional (2007). *Pendidikan Sains di Indonesia Berdasarkan Hasil Pisa.* Jakarta: Depdiknas
- Fakayode, S.O. (2014). Guided-inquiry laboratory experiments in the analytical chemistry laboratory curriculum. *Anal Bioanal Chem.* 406, hlm. 1267-1271
- Foodreference. (2010). Eggplant. Available at: <http://www.foodreference.com/html/aereggplant2.html> accessed at 07/05/2016
- Gaddis B.A., dan Scoffstall A.M. (2007). Incorporating guided-inquiry learning into the organic chemistry laboratory. *Journal of Chemical Education.* 84, (5), hlm. 848-851.

- Hake, R.R. (1998). Interactive-engagement vs traditional methods: A six-thousand-student survey of mechanics test data for introductory physics courses. *Am. J. Phys.* 66(1): 64-74.
- Jerkins E., dan Whitfield R. (1974). *Reading in Science Education a Source Book*. London: McGraw-Hill Book Company (UK) Limite
- Kamsah, M.Z. (2004). *Developing Generic Skills in Clasroom Environment: Engineering Student's Perspective*
- Liliyansari. (2005). Membangun Keterampilan Berpikir Manusia Indonesia Melalui Pendidikan Sains. Pidato Pengukuhan Guru Besar Tetap dalam Ilmu Pendidikan IPA. Universitas Pendidikan Indonesia
- McMillan, J.G dan Schumacher, S. (2001). *Research in Education*. New York: Longman
- Meltzer, D.E. (2002). The relationship between mathematics preparation and conceptual learning gain in physics: A possible ‘hidden variable’ in diagnostic pretest scores. *American Association of Physics Teacher*. 70 (12), hlm. 1259-1267.
- Ministry of Science & Technology Government of India. 2013. Biology of Brinjal. Department of Biotechnology. India.
- Munandar U. (2009). *Pengembangan Kreativitas Anak Berbakat* (cetakan ketiga). Jakarta: Rineka Cipta
- Munandar, Utami. (2012). Pengembangan Kreativitas Anak Berbakat. Jakarta: PT. Gramedia Widiasarana.
- Murthy P.P.N., Thompson M., dan Hungwe K. (2014). Development of a semester-long, inquiry-based laboratory course in upper-level biochemistry and molecular biology. *Journal Chemical Education*. 91, hlm. 1990-1917.
- Nelson D. L dan Cox M. M. (2004). *Lehninger Principles of Biochemistry Fourth Edition*. USA: W.H Freeman.
- Northcott B, Milliszevska dan Dakich E. (2007). ICT for Inspiring Creative Thinking. *Proceeding Ascilite Singapore*
- Poedjiadi, A dan Supriyanti, F.M.T. (2005). Dasar-Dasar Biokimia Edisi Revisi. Jakarta: UIP

- Pumprhey, J dan Slater, J. (2002). *An Assessment Of Generic Skill Needs*. Nothingham: Department for Education and Skills.
- Qing Z., Jing G., dan Yan W. (2011). Promoting preservice teachers' critical thinking skills by inquiry-based chemical experiment. *Procedia-Social and Behavioral Sciences*. 2. hlm. 4597-4603.
- Santrock J.W. (2007). *Psikologi Pendidikan Edisi Kedua*. Jakarta: Kencana Prenada Media Grup
- Sesen B.A., dan Tarhan L. (2013). Inquiry-based laboratory activities in electrochemistry: high school students' achievements and attitudes. *Res Sci Edu*.43, hlm. 413-435.
- Simonson S.R, dan Shadle S.E. (2013). Implementing process oriented guided inquiry learning (POGIL) in undergraduate biomechanics: lessons learned by a novice. *Journal of STEM Education*, 14, (1), hlm. 56-62.
- Supasorn S., dan Lordkam A. (2014). Enhancement of grade 7 students's learning achievement of the metter separation by using inquiry learnig activities. *Procedia-Social and Behavioral Sciences*. 116, hlm. 739-743.
- Supasorn, S. (2012). Enchanging undergraduates' conceptual understanding of organic acid-base-neutral extraction using inquiry-based experiments. *Procedia-Social and Behavioral Sciences*. 46, hlm. 4643-4650.
- Tan, O.S. (2009). *Problem Based Learning and Creativity*. Cengage Learning Asia Pte LtdUIC Building: Singapore
- Tawil M., dan Liliyansari. (2013). *Berpikir Kompleks dan Implementasinya dalam Pembelajaran IPA*. Makasar: Badan Penerbit UNM
- Tawil M., dan Liliyansari. (2014). *Keterampilan-keterampilan Sains dan Implementasinya dalam Pembelajaran IPA*. Makasar: Badan Penerbit UNM
- Uno, H.B. (2008). *Teori Motivasi dan Pengukurannya*. Bandung: Bumi Aksara
- Voet D dan Voet J.G. (2011). *Biochemsity 4th Edition*. United States of America: John Wiley & Sons, Inc
- Wenning Carl J. (2010). Levels of inquiry : using inquiry spectrum learning sequences to teach science. *J. Phys. Tchr. Educ.* Online, 5(3), Winter 2010. hlm. 11-20.

- Wenning Carl J. (2011a). The levels of inquiry model of science teaching. *J. Phys. Tchr. Educ. Online*, 6(2), Summer 2011. hlm. 9-16.
- Wenning Carl J. (2011b). Levels of inquiry model of science teaching: learning sequences to lesson plans. *J. Phys. Tchr. Educ. Online*, 6(2), Summer 2011. hlm. 17-20.
- Wiersma, W dan Jurs G.S. (2009). *Research Methods in Education: an Introduction*. Pearson: Boston.
- Xu H., dan Talanquer V. (2013). Effect of the level of inquiry on student interactions in chemistry laboratories. *Journal Chemical Education*. 90, hlm. 29-36.
- Yoruk R., dan Marshall R. (2003). Physicochemical properties and function of plant polyphenol oxidase: a review. *Journal of Biochemistry*. 27, hlm. 361-422.