

DAFTAR PUSTAKA

- Ajaja, O. P. (2010). Effects of Cooperative Learning Strategy on Junior Secondary School Students Achievement in Integrated Science. *Electronic Journal of Science Education*, 14(1), 1–18.
- Akinoglu, O. & Tandogan, R. O. (2006). the Effects of Problem Based Active Learning in Science Education on Students Academic Achievements, Attitude and Concept Learning. *Eurasia Journal of Mathematics, Science & Technology*, 3(1), 71–81. <http://doi.org/10.1016/j.ijbiomac.2006.07.006>.
- Allamnakhrah, A. (2013). Learning Critical Thinking in Saudi Arabia: Student Perceptions of Secondary Pre-Service Teacher Education Programs. *Journal of Education and Learning*, 2 (1), 197–210. <http://doi.org/10.5539/jel.v2n1p197>.
- Åström, M. (2006). *Defining Integrated Science Education Education and and Putting It It to Test. Science And Technology*.
- Becker, K. H. & Park, K. (2011). Integrative Approaches among Science, Technology, Engineering, and Mathematics (STEM) Subjects on Students' Learning: A Meta-Analysis. *Journal of STEM Education: Innovations and Research*, 12(5), 23–37.
- Boopathiraj, C. & Chellamani, K. (2013). Analysis of Test Items on Difficulty Level and Discrimination Index in The Test for Research in Education. *International Journal of Social Science & Interdisciplinary Research*, 2(2), 189–193.
- Budiningsih, C. A. (2004). *Belajar dan Pembelajaran*. Yogyakarta: Rinika Cipta.
- Bulunuz, M. & Jarrett, O. S. (2010). Developing an Interest in Science: Background Experiences of Preservice Elementary Teachers. *International Journal of Environmental and Science Education*, 5(1), 65–84.
- Burris, S. & Garton, B. (2007). Effect Of Instructional Strategy On Critical Thinking And Content Knowledge: Using Problem-Based Learning In The Secondary Classroom. *Journal of Agricultural Education*. <http://doi.org/10.5032/jae.2007.01106>.
- Campbell, et al. (2010). *Biologi Edisi ke 8 Jilid 1*. Jakarta: Erlangga.
- Caturangga, F. K. (2014). Integrated science learning through project based learning in sekolah indonesia singapura. *SEAMEO QITEP in Science*, (September), 136–140.
- Coladarci, et al.(2011). *Fundamentals of Statistical Reasoning in Education*. USA: John Wiley and Sons inc.
- Costa, A. L. & Pressceisen, B. Z. (1985). *Developing Mind: A Resource Book for Teaching Thinking*. Alexandria: ASCD.

- Creswell, J. W. (2014). *Research Design Pendekatan Kualitatif, Kuantitatif, dan Mixed*. Yogyakarta: Pustaka Pelajar.
- Edokpayi, J. N. & Suleiman. (2011). Scholars Research Library. *Scholar Reasearch Library*, 3(4), 527–535. Retrieved from <http://scholarsresearchlibrary.com/ABR-vol1-iss2/ABR-2010-1-2-87-90.pdf>.
- El-shaer, A. & Gaber, H. (2014). Impact of Problem-Based Learning on Students' Critical Thinking Dispositions, Knowledge Acquisition and Retention. *Journal of Education and Practice*, 5(14), 74–86.
- Ennis, R. H. (1985). *Critical Thinking*. New Jersey: Prentice Hall.
- Etherington, M. (2011). Investigative primary science: A problem-based learning approach. *Australian Journal of Teacher Education*, 36(9). Retrieved from <http://ro.ecu.edu.au/ajte/vol36/iss9/4/>.
- Graaff, E. & Kolmos, A. (2003). Characteristics of problem-based learning. *International Journal of Engineering Education*, 19(5), 657–662.
- Hake, R. R. (1998). Interactive-engagement versus traditional methods: A six-thousand-student survey of mechanics test data for introductory physics courses. *American Journal of Physics*, 66(1), 64. <http://doi.org/10.1119/1.18809>.
- Idowu, D. (2012). Developing Nigerian Integrated Science Curriculum. *International Journal of Social Science and Education*, 2 (1 January 2012), 420–439.
- Igwebuike, T. B. & Oriaifo, S. O. (2014). Effect of a Constructivist Instructional Strategy on Affective Outcomes by Integrated Science Students. *University of Bahrain*, 10(1), 1–10.
- Implications, T. (2013). a Comparison of Achievement in Problem-Based. *International Journal on New Trends in Education and Their Implications*, 4(1), 154–164.
- Keil, et al. (2009). Improvements in Student Achievement and Science Process Skills Using Environmental Health Science Problem-Based Learning Curricula. *Journal of Science Education*, 13(1), 1–18.
- Kemendikbud. (2014). *Materi Pelatihan Guru Implementasi Kurikulum 2013 Tahun Ajaran 2014/2015 Mata Pelajaran IPA SMP/MTs*. Jakarta: Kemendikbud.
- Khalid, et al. (2011). Impact of Teacher's Background and Behavior on Students Learning. *International Journal of Human Resource Studies*, 1(2), 60–88. <http://doi.org/10.5296/ijhrs.v1i2.1101>.
- Krathwohl, D. R. (2002). A Revision of Bloom's Taxonomy:An Overview. *Theory Into Practice*, 41(4), 212–218. <http://doi.org/10.1207/s15430421tip4104>.

- Kusaeri & Suprananto. (2012). *Pengukuran dan penilaian Pendidikan*. Yogyakarta: Graha Ilmu.
- Masek, et al. (2011). The Effect of Problem Based Learning on Critical Thinking Ability: A Theoretical and Empirical Review. *International Review of Social Sciences and Humanities*, 2(1), 215–221.
- Minium, et al. (1993). *Statistical Reasoning in Psychology and Education Third Edition*. USA: John Willey and sons.
- Opara, J. a. (2011). Bajah'S Model and the Teaching and Learning of Integrated Science in Nigerian High School System. *International Journal of Academic Research in Business and Social Science*, 1(August), 152–161.
- Petress, K. (2004). Critical Thinking: An Extended Definition. *Education*, 124(3), 461. Retrieved from <http://search.ebscohost.com/login.aspx?direct=true&db=eric&AN=EJ698515&site=ehost-live>\n<http://content.ebscohost.com/ContentServer.asp?T=P&P=AN&K=13186516&S=R&D=aph&EbscoContent=dGJyMMTo50Sep644yNfsOLCmr0yep69Ssqu4S6+WxWXS&ContentCustomer=dGJyMPGpsEiwrL>
- Raimi, S. M. & Adeoye, F. a. (2000). Problem Based Learning Strategy and Quantitative Ability in College of Education Students ' Learning of Integrated Science. *Ilorin Journal of Education*, 1–11. Retrieved from <http://unilorin.edu.ng/journals/education/ije/july2004/Problem Based Learning Strategy And Quantitative Ability In College Of Education Students Learning Of Integrated Science.pdf>.
- Riduwan. (2012). *Skala Pengukuran Variabel-Variabel Penelitian*. Bandung: Alfabeta.
- Savery, J. R. (2006). Overview of problem-based learning: Definitions and distinctions. *Interdisciplinary Journal of Problem-Based Learning*, 1(1), 9–20. <http://doi.org/10.7771/1541-5015.1002>.
- Snyder, L. G. & Snyder, J. M. (2008). Teaching Critical Thinking and Problem Solving Skills How Critical Thinking Relates to Instructional Design. *The Delta Pi Epsilon Journal*, 2, 90–99.
- Sungur, et al. (2006). Improving achievement through problem-based learning. *Journal of Biological Education*, 40(4), 155–160. <http://doi.org/10.1080/00219266.2006.9656037>.
- Thompson, C. (2011). Critical thinking across the curriculum: Process over output. *International Journal of Humanities and Social Science*, 1(9), 1–7. Retrieved from http://www.ijhssnet.com/journals/Vol.1,No.9,Special Issue,July_2011/1.pdf.
- Tim Abdi Guru. (2013). *IPA Terpadu untuk SMP/MTs Kelas VIII*. Jakarta: Erlangga.

- Tiwari, *et al.* (1999). Enhancing Students' Critical Thinking through Problem-Based Learning. *Implementing Problem Based Learning: Proceedings of the First Asia Pacific Conference on Problem Based Learning*, 75–85.
- Trianto. (2010). *Model pembelajaran terpadu: Konsep, strategi dan implementasinya dalam Kurikulum Tingkat Satuan Pendidikan (KTSP)*. Jakarta: Bumi Aksara.
- Turpin, T. & Cage, B. N. (2004). Effect of An Integrated, Activity-Based Science Curriculum on Student Achievement, Science Process Skills, and Science Attitudes. *Electronic Journal of Literacy Through Science*, 3, 1–17.
- Walker, S. E. (2003). Active Learning Strategies to Promote Critical Thinking. *Journal of Athletic Training*, 38(3), 263–267.
- Wibowo, *et al.*(2012). Peningkatan Kemampuan Berpikir Kritis dan Kerjasama Mahasiswa Melalui Pendekatan Inquiry pada Mata Kuliah Pendidikan Sains. *Prosiding Seminar Nasional Pendidikan IPA, UNY*, 56-62.
- Zhou, *et al.* (2013). Developing Students' Critical Thinking Skills by Task-Based Learning in Chemistry Experiment Teaching. *Creative Education*, 4(12), 40–45. <http://doi.org/10.4236/ce.2013.412A1006>.

