

Daftar Pustaka

- Abadzivor, H. E. (2006). *Assessment of Pictorial Materials in Ghanaian Pre-School Education (A Case Study in Kumasi Metropolis)*. (Tesis). School of Graduate Studies, Kwame Nkrumah University of Science and Technology, Kumasi.
- Adams, W.K., dan Wieman, C.E. (2010). Development and Validation of Instruments to Measure Learning of Expert-Like Thinking. *International Journal of Science Education*, hlm. 1-24
- Adhiya, E. (2014). Tes diagnostik *two-tier* pilihan ganda untuk mengidentifikasi miskonsepsi siswa pada materi geometri molekul berdasarkan teori VSEPR. (Skripsi). Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam, Universitas Pendidikan Indonesia, Bandung.
- Arifin, Z. (2012). *Evaluasi Pembelajaran (edisi revisi)*. Jakarta: Direktorat Jenderal Pendidikan Islam
- Barke, H.D., Al Hazari dan Yitbarek, S. (2009). *Misconception In Chemistry*. Berlin: Springer
- Bayrak, B.K. (2013). "Using Two-Tier Test to Identify Primary Students' Conceptual Understanding and Alternative Conceptions in Acid Base". *Mevlana International Journal of Education*, 3 (2): 19-26
- Chandraseragan, A.L., Treagust, D.F., dan Mocerino, M. (2007). The development of a two-tier multiple-choice diagnostic instrument for evaluating secondary school students' ability describe and explain chemical reaction using multiple levels representation. *Chemistry Education Research and practice*, 8 (3), hlm. 293-307
- Coll, R.K., dan Taylor, T.G.N. (2001). Using constructivism to inform tertiary chemistry pedagogy. *Chemistry Education: Research And Practice In Europe*. 2 (3), hlm. 215-226
- Dahar, R.W. (2011). *Teori-teori Belajar dan Pembelajaran*. Jakarta: Erlangga.
- Demircioğlu, G., Demircioğlu, H., dan Yadigaroglu, M. (2013). An investigation of chemistry student teachers' understanding of chemical equilibrium. *International Journal on New Trends in Education and Their Implications*. 4 (2). Hlm. 185-192
- Devetak, I., Vogrinc, J., dan Glažar, S.A. (2007). Assessing 16-year-old students' understanding of aqueous solution at submicroscopic level. *Research Science Education*.

- Earl, L., & Katz, S. (2006). *Rethinking Classroom Assessment with Purpose in Mind: Assessment For Learning, Assessment As Learning, Assessment Of Learning*. British : Western and Northern Canadian Protocol for Collaboration in Education
- Edens, K.M., & Potter, E.F. (2001). Promoting conceptual understanding through pictorial representation. *Studies in Art Education-Spring*, 42(3), hlm. 214-233.
- Firman, H. (2013). *Evaluasi Pembelajaran Kimia*. Bandung: Jurusan Pendidikan Kimia FPMIPA UPI
- Gliem, J.A dan Gliem, R.R. (2003). Cronbach's Alpha Reliability Coefficient for Likert-Type Scales. Midwest Research to Practice Conference in Adult, Continuing, and Community Education Calculating, Interpreting, and Reporting. hlm 82-88
- Goh, Khang, N., dan Sai, C.L. (TT). Students' learning difficulties on covalent bonding and structure concepts. *Teaching and Learning*, 12(2), hlm. 58-65
- Kurnia, A. (2014). Pengembangan instrumen tes diagnostik *two-tier* untuk mengidentifikasi miskonsepsi siswa SMP pada pokok bahasan klasifikasi materi (Skripsi). Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam, Universitas Pendidikan Indonesia, Bandung.
- Lawshe, C.H. (1975). "A Quantitative Approach to Content Validity". *Personnel Psychology*, 28. hlm. 563-575
- Mayer, Steinhoff, Bower dan Mars (1995). A generative theory of textbook design: using annotated illustrations to foster meaningful learning of science text. *Education Technology Research and Development*, 43 (1). hlm. 31-41
- Middlecamp, C. dan Kean, E. (1985). *Panduan Belajar Kimia Dasar*. Jakarta : Gramedia
- Muchtaridi dan Justiana, S. (2006). *Kimia 2*. Bogor : Quadra
- Nuraeni, J.. (2014). Pengembangan tes diagnostik pilihan ganda dua tingkat untuk mengidentifikasi miskonsepsi siswa pada materi gaya antarmolekul. (Skripsi). Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam, Universitas Pendidikan Indonesia, Bandung.
- Nurpertiwi, T. (2014). Pengembangan instrumen tes diagnostik *two-tier multiple choice* untuk mengidentifikasi miskonsepsi siswa SMA pada materi hidrolisis garam. (Skripsi). Fakultas Pendidikan Matematika dan Ilmu Pengetahuan Alam, Universitas Pendidikan Indonesia, Bandung.

- Özmen, H. (2004). Some student misconceptions in chemistry: a literature review of chemical bonding. *Journal of Science Education and Technology*, 13.(2). hlm. 147-159
- Özmen, H. (2007). Determination of students' alternative conceptions about chemical equilibrium: a review of research and the case of Turkey. *Chemistry Education Research and Practice*. 9, hlm. 225–233
- Paivio, A. (2006). Dual coding theory and education. *pathways to literacy achievement for high poverty children*. The University of Michigan School of Education
- Polit, D. F., Beck, C. T., & Owen, S. V. (2007). Is the CVI an acceptable indicator of content validity? Appraisal and recommendation. *Research in Nursing & Health*, 30, hlm. 459-467.
- Schmidt, H.J., Kaufmann, B., dan Treagust, D.F. (2009). Students' understanding of boiling points and intermolecular forces. *Chemistry Education Research and Practice*.10, hlm. 265-272.
- Silberberg, M.S. (2007). Principles of General Chemistry. New York: McGraw Hill
- Sunarya, Y. dan Setiabudi, A. (2009). *Mudah dan Aktif Belajar Kimia 2*. Jakarta: Pusat Perbukuan Departemen Pendidikan Nasional.
- Surif, J, Ibrahim, N.H., & Mokhtar, M.. (2012). Conceptual and Procedural Knowledge in Problem Solving. *Procedia-Social and Behavioral Sciences*,56, hlm. 416-425.
- Tan, Goh, Taber dan Chia. (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
- Tan, K.D dan Treagust, D.F. (1999). Evaluating students' understanding of chemical bonding. *School Science Review*, 81 (294), hlm. 75-83
- Tarhan, L., Ayar-Kayali, H., Urek, R.O., dan Acar, B. (2008). Problem-based learning in 9th grade chemistry class: 'intermolecular forces'. *Research Science Education*. 38, hlm. 285-300
- Tavassoli, A., Jahandar, S., dan Khodabandehlou, M. (2013). The effect of pictorial contexts on reading comprehension of iranian high school students: a comparison between pre-vs. during reading activities. *Indian Journal of Fundamental and Applied Life Sciences*, 3 (3), hlm. 553-565
- Treagust, D.F. (1986). Evaluating students' misconceptions by means of diagnostic multiple choice items. *Research In Science Education*, 16, hlm. 199-207

- Treagust, D.F. (2006). "Diagnostic assessment in science as a means to improving teaching, learning and retention". *UniServe Science Assessment Symposium Proceedings*, hlm. 1-8
- Treagust, D.F. (2009). Conceptual understanding of bruneian tertiary students: chemical bonding and structure. *Brunei International Journal of Science & Mathematica Education*. 1(1), hlm. 33-51
- Tüysüz, C. (2009). Development of two-tier diagnostic instrument and assess students' understanding in chemistry. *Scientific Research and Essay*, 4 (6) hlm. 626-631
- Walter, E, (kepala editor). (2008). *Cambridge Advance Learner's Dictionary* Third Edition. London: Cambridge University Press.
- Whitten, K.W., Davis, R.E., dan Peck, M.L. (2003). *General Chemistry seventh edition*. Amerika : Brooks Cole