

DAFTAR PUSTAKA

- Akinbobola, A. & Afolabi, F. (2010). Analysis of Science Process Skill in West African Senior Secondary School Certificate Physics Practical Examinations in Nigeria. *American-Eurasia Journal of Scientific Research*, 5 (4), 234-240.
- Anderson, dkk. (2015). *Kerangka Landasan untuk Pembelajaran, Pengajaran, dan Asesmen: Revisi Taksonomi Bloom*. Diterjemahkan oleh: Agung. Yogyakarta: Pustaka Pelajar.
- Brown, L.T. dkk. (2012). *Chemistry: The Central Science*. Edisi kedua belas. New York: Pearson Education, Inc.
- Cardellini, L. (2012). Chemistry: Why The Subject is Difficult? *Areas Emergentes De La Education Quimica*, 242, 1-6.
- Carin, A. A. (1997). *Teaching modern science*. Edisi Ketujuh. New Jersey: PrenticeHall.
- Chang, R. & Overby, J. (2010). *General Chemistry*. Tenth Edition. New York: McGraw-Hill Companies.
- Chittleborough, G., & Treagust, D. F. (2007). The Modelling Ability of non-major Chemistry Students' and their Understanding of the Submicroscopic Level. *Chemistry Education Research and Practice*. 8(3), 274-292.
- Dewi, S. (2008). *Keterampilan Proses Sains*. Bandung: Tinta Emas Publishing.
- Erni, M., Napitupulu, M., & Sakung, J. (2013). Pengaruh Model POE (*Predict-Observe-Explain*) terhadap Hasil Belajar Kimia pada Kelas XI Materi Kelarutan dan Hasil Kali Kelarutan di SMA Negeri 4 Pasangkayu. *Jurnal Akademika Kimia*. 2(2), 62-67.
- Gall, M. D., Gall, J. P. & Borg, W. R. (1983). *Educational Research*. Boston: Pearson Education, Inc.
- Garnett, P. J., Garnett, P. J., & Hackling, M. W. (1995). Students' Alternative Conceptions in Chemistry: A Review of Research and

- Implications for Teaching and Learning. *Studies in Science Education*. 25(2), 69-96.
- Gilbert, J. K. & Treagust, D. (2009). Towards a Coherent Model for Macro, Submicro and Symbolic Representations in Chemical Education. In *Multiple Representations in Chemical Education* (pp. 333-350). Springer: Dordrecht.
- Jatmiko, Arum. (2010). *Analisis Miskonsepsi Materi Hasil Kali Kelarutan dan Strategi Pemecahannya pada Siswa Kelas XI SMA Negeri 1 Boja*. (Tesis). Universitas Negeri Semarang, Semarang.
- Karamustafaoglu, S., & Mamlok-Naaman, R. (2015). Understanding Electrochemistry Concepts Using the Predict-Observe-Explain Strategy. *EURASIA Journal of Mathematics, Science and Technology Education*, 11(5), 923-936.
- Lancour, K. L. (2009). *Process Skills for Life Science*. [Online]. Diakses dari http://scioly.org/wiki/images/d/d6/Pslsl_training_hammond04.pdf
- Liew, C. W., & Treagust, D. F. (1998). The Effectiveness of Predict-Observe-Explain Tasks in Diagnosing Students' Understanding of Science and in Identifying Their Levels of Achievement. *Paper Presented at Annual Meeting of the American Educational Research Association*. 22p
- Majid, A. (2012). *Perencanaan Pembelajaran*. Bandung: PT Remaja Rosdakarya.
- Mthembu, Z. P. (2001). Using Predict, Observe and Explain Technique to enhance Students' Understanding of Chemical Reactions. *Unpublished Paper (ongoing research)*. University of Natal King George V Natal.
- Murezhawati, E., Hairida & Melati, H. A. (2017). *Peningkatan Keterampilan Proses Sains Siswa SMA dengan Model Pembelajaran Predict-Observe-Explain Materi Hidrolisis Garam*. (Skripsi). FKIP Untan, Pontianak

- Myers, Richard. (2003). *The basics of Chemistry*. London : Greenwood Press.
- Nakhleh, M. B. (1992). Why some Students don't Learn Chemistry: Chemical Misconceptions. *Journal of chemical Education*, 69(3), 191-196.
- Nurasiyah. (2016). Profil Model Mental Siswa pada Materi Kelarutan dan Hasil Kali Kelarutan dengan Menggunakan TDM-POE. *Jurnal Riset dan Praktik Pendidikan Kimia*, 4(1), 31-44
- Onder, I., & Geban, O. (2006). The Effect of Conceptual Change Texts Oriented Instruction on Students' Understanding of The Solubility Equilibrium Concept. *Hacettepe Üniversitesi Eğitim Fakültesi Dergisi*, 30(30), 165-173.
- Ozgelen, S. (2012). Students science process skills within a cognitive domain framework. *Eurasia Journal of Mathematics, Science & Technology Education*, 8(4), 283-292.
- Padilla, M. J. (1990). *The Science Process Skills*. [Online]. Diakses dari <https://www.narst.org/publications/research/skill.cfm>.
- Petrucci, R. H, dkk. (2011). *General Chemistry: Principles and Modern Application*. Tenth Edition. Ontario : Pearson Canada Inc
- Rauf, R. A. A., Rasul, M. S., Mansor, A. N., Othman, Z., & Lyndon, N. (2013). Inculcation of science process skills in a science classroom. *Asian Social Science*, 9(8), 47-57.
- Raviolo, A. (2001). Assessing Students' Conceptual Understanding of Solubility Equilibrium. *Journal of Chemical Education*, 78(5), 629-631
- Riyanto, Yatim. (2014). *Paradigma Baru Pembelajaran*. Jakarta : Kencana Prenadamedia Group
- Rusman. (2015). *Pembelajaran Tematik Terpadu*. Jakarta: PT Raja Grafindo Persada
- Sanjaya, W. (2006). *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*. Jakarta: Kencana Prenada Media Grup

- Semiawan, C., dkk. (1992). *Pendekatan Keterampilan Proses: Bagaimana Mengaktifkan Siswa dalam Belajar*. Jakarta: Gramedia.
- Shofa, N. E. F. (2015). *Penerapan Model POE melalui Metode Eksperimen untuk Meningkatkan Keterampilan Proses Sains Siswa Kelas XI SMAN 1 BAE KUDUS*. Skripsi. Semarang: Pendidikan Kimia Universitas Negeri Semarang.
- Sirhan, G. (2007). Learning Difficulties in Chemistry: an Overview. *Journal of Turkish Science Education*. 4 (2), 2-20.
- Sukarno, dkk. (2013). The Profile of Science Process Skill (SPS) Student at Secondary High School (case study in Jambi). *International Journal of Scientific Engineering and Research (IJSER)*. 1(1), hlm. 79-83.
- Sukmadinata, N. S. (2005). *Metode Penelitian Pendidikan*. Bandung: PT. Remaja Rosdakarya.
- Sumantri, M. S. (2015). *Strategi Pembelajaran: Teori dan Praktik di Tingkat Pendidikan Dasar*. Jakarta: Rajawali Pers.
- Sunyono, dkk. (2009). Identifikasi Masalah Kesulitan dalam Pembelajaran Kimia SMA Kelas X di Propinsi Lampung. *Journal Pendidikan*. Lampung: PMIPA FKIP Unila
- Suparno, A. S. (2001). *Membangun Kompetensi Belajar*. Jakarta: Departemen Pendidikan Nasional
- Suyanti, R. D. (2010). *Strategi Pembelajaran Kimia*. Yogyakarta: Graha Ilmu.
- Teerasong, S., Chantore, W., Ruenwongsa, P., & Nacapricha, D. (2010). Development of a Predict-observe-explain Strategy for Teaching Flow Injection at Undergraduate Chemistry. *International Journal of Learning*, 17(8), 137-150.
- Treagust, D., Chittleborough, G., & Mamiala, T. (2003). The Role of Submicroscopic and Symbolic Representations in Chemical Explanations. *International Journal of Science Education*. 25(11), 1353-1368.

- Treagust, D. F., & A. L. Chandrasegaran. (2009). The Efficacy of an Alternative Instructional Programme Designed to Enhance Secondary Students Competence in The Triplet Relationship. In J. K. Gilbert & D. F. Treagust (Eds). *Multiple Representation in Chemical Education*. Boston: Springer.
- Ulfah, dkk. (2015). Analisa Kesulitan Pemahaman Konsep Kelarutan dan Hasil Kali Kelarutan pada Siswa SMA Inshafuddin Tahun Ajaran 2015/2016. *Jurnal Ilmiah Mahasiswa Pendidikan Kimia*, 1, 43-51.
- Viyandari, A, dkk. (2012). Analisis Miskonsepsi Siswa terhadap Materi Kelarutan dan Hasil Kali Kelarutan (K_{sp}) dengan Menggunakan Two-Tier Diagnostic Instrument. *Jurnal Inovasi Pendidikan Kimia*, 6, 852-861.
- White, R., & Gunstone, R. (1992). *Prediction-Observation-Explanation: Probing understanding*. London: The Palmer Press
- Whitten, K, W., R.E. Davis., M. L. Peck., G.G. Stanley. (2014). *General Chemistry*. Tenth Edition. Cengage Learning: USA
- Widianti, R. C. (2015). *Profil Model Mental Siswa pada Materi Kelarutan dan Hasil Kali Kelarutan dengan TDM-IAE*. (Skripsi). Universitas Pendidikan Indonesia, Bandung.
- Wu, H-K. (2003). Linking Microscopic View of Chemistry to Real-Life Experiences: Intertextuality in High-School Science Classroom. *Wiley Periodical, Inc*, 868-891.
- Wulandari, K. M. (2015). *Strategi Pembelajaran Intertekstual dengan Process Oriented Guided Inquiry Learning (POGIL) pada Konsep Tingkat Kejenuhan Larutan untuk Meningkatkan Penguasaan Konsep dan Keterampilan Proses Sains Siswa*. (Skripsi). Universitas Pendidikan Indonesia, Bandung.
- Yang, D., & Senocak, I. (2013). The Search for Strategies to Prevent Persistent Misconceptions. *120th ASEE Annual Conference & Exposition*. Boise State University

- Zubaidah, S. (2016). Keterampilan Abad Ke-21: Keterampilan yang diajarkan melalui pembelajaran. *Seminar Nasional Pendidikan*. Kalimantan: FMIPA Universitas Negeri Malang
- Zumdahl, S.S. & Zumdahl, S.A. (2012). *Chemistry*. Ninth Edition. Boston: Houghton Mifflin Company.
- Zulfadli dan Iffah Munawwarah. (2016). Identifikasi Pemahaman Siswa Terhadap Konsep Kelarutan dan Hasil Kali Kelarutan dengan Menggunakan Tes Diagnostik Three-Tier Multiple Choice. *Edukasi Kimia*, 1, 32-40.