

Daftar Pustaka

- Adadan, E. (2014) Investigating the influence of pre-service chemistry teacher's understanding of the particle nature of matter on their conceptual understanding of solution chemistry. *Chemistry Education Research and Practice*, 15, hlm. 219 – 238.
- Anderson, L. dan Krathwohl, D. (2010). *A taxonomy for learning, teaching, and assessing: A revision of bloom's taxonomy of educational objective* (Edisi terjemahan). Yogyakarta: Pustaka Pelajar.
- Amalia, A, I. (2014). *Pengaruh model pembelajaran inkuiri terbimbing terhadap keterampilan proses sains siswa sma kelas x pada pembelajaran hukum kekekalan massa*. (Skripsi). FPMIPA, Universitas Pendidikan Indonesia, Bandung.
- Ango, L. (2002). Mastery of science process skills and their effective use In the teaching of science: An educology of science education In the Nigerian context. *Internasional Journal of Educology*, 16 (1), hlm. 11 – 30.
- Ardananeswari, A. (2014). *Implementasi strategi pembelajaran intertekstual pada submateri pokok kenaikan titik didih larutan SMA kelas XII*. (Skripsi). FPMIPA, Universitas Pendidikan Indonesia, Bandung.
- Arikunto, S. (2013). *Prosedur penelitian : Suatu pendekatan praktik*. Bandung : Rineka Cipta.
- Badan Standar Nasional Pendidikan (2006). *Standar isi untuk satuan pendidikan dasar dan menengah : standar kompetensi dan kompetensi dasar sma/ma*. Jakarta : BSNP.
- Basağa, H., Geban, Ö., dan Tekkaya, C. (1994). The effect of the inquiry teaching method on biochemistry and science process skill achievements. *Biochemical Education*, 22 (1), hlm. 29 – 32.
- Becker, N., Stanford, C., Towns, M., dan Cole, R. (2015). Translating across macroscopic, submicroscopic, and symbolic levels: the role of instructor facilitation in an inquiry-oriented physical chemistry class, *Chemistry Education Research and Practice*, 16, hlm. 769 – 785.
- Bell, R. L., Smetana, L., dan Binns, I. (2005). Simplifying inquiry instruction. *National Science Teacher Associations*, hlm. 30 – 33.

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- Bilgin, I. (2009). The effects of guided inkuiri instruction incorporating a cooperative learning approach on university students' achievement of acid and bases concepts and attitude toward guided inkuiri instruction. *Scientific Research and Essay*, 4(10), hlm. 1038-1046.
- Braun, I. dan Rummel, N. (2010). Facilitating learning from computer-supported collaborative inquiry: the challenge of directing learner's interactions to useful ends. *Research and practice Technology Enhanced Learning*, 5 (3), hlm. 205 – 244.
- Brown, T, L., et.al. (2012). *Chemistry: The central science*. 12th edition. USA:Prentice Hall.
- Buck, L.B., Bretz, S. L., dan Towns, M. H. (2008). Characterizing the level of inquiry in the undergraduate laboratory. *Journal of College Science Teaching*, hlm. 52-58.
- Çam, A. dan Geban, Ö. (2013). Effectiveness of case-based learning instruction on students' understanding of solubility equilibrium concepts. *H. U. Journal of Education*, 44, hlm. 97 – 108.
- Candrasegaran, 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 to describe and explain chemical reactions using multiple levels of representation. *Chemistry Education Research and Practice*, 8 (3), hlm. 293 – 307.
- Chang, R., & Overby, J. (2011). *General chemistry*. 6th edition. New York:McGraw-Hill.
- Chatterjee, S., Williamson, V.M., McCann, K., dan Peck, M.L. (2009). Surveying students' attitudes and perceptions toward guided-inquiry and open-inquiry laboratories. *Journal Chemical of Education*, 86, hlm. 1427 – 1432.
- Chittleborough, G, D,. (2004). *The Role of teaching models and chemical representations in developing students' mental models of chemical phenomena*. (Tesis). Curtin University.
- Christanti, C. C. (2016). *Implementasi strategi pembelajaran intertekstual dengan process orienteg guided inquiry learning (POGIL) pada konsep tingkat kejenuhan larutan*. (Skripsi). FPMIPA, Universitas Pendidikan Indonesia, Bandung.

- Dahar, R. W. (1989). *Teori-teori belajar*. Jakarta: Erlangga.
- Davidowitz, B. dan Chittleborough. (2009). Linking the macroscopic and submicroscopic level: Diagrams. Dalam J. K. Gilbert dan D.F. Treagust (Penyunting). *Multiple Representations In Chemical Education: Models and Modeling in Science Education*. Dordrecht: Springer, 169 – 191.
- Devetak, I, . et.al. (2009). Comparing Slovenian year 8 and year 9 elementary school pupil's knowledge of electrolyte chemistry and their intrinsic motivation. *Chemistry Education Research and Practice*, 10, hlm. 281 – 290.
- Diani, M. (2014). *Pembelajaran praktikum berbasis inkuiri terbimbing untuk meningkatkan keterampilan berpikir kritis dan penguasaan konsep siswa SMA pada materi kelarutan dan hasil kali kelarutan*. (Skripsi). FPMIPA, Universitas Pendidikan Indonesia, Bandung.
- Dimiyati, D. dan Mudjiono, M. (2006). *Belajar dan pembelajaran*. Jakarta: Rineka Cipta.
- Dori, Y. J. dan Hameiri, M. (2003). Multidimensional analysis system for quantitative chemistry problems: Symbol, macro, micro, and process aspects. *Journal of Research in Science Teaching*, 40 (3), hlm. 278 – 302.
- Ebbing, D, D., & Gammon, S, D., *General Chemistry*. 9th edition. Boston, New York: Houghton Mifflin Company.
- Emden, M. dan Sumfleth, E. (2015). Assessing student's experimentation processes in guided inquiry. *International Journal of Science and Mathematics Education*.
- Farina, J. (2014). *Pengaruh penilaian formatif dengan feedback terhadap proses dan hasil belajar pada materi kelarutan dan hasil kali kelarutan*. (Tesis). SPS, Universitas Pendidikan Indonesia, Bandung.
- Felianti, N. (2017). *Strategi pembelajaran intertekstual dengan pemecahan masalah pada materi larutan penyangga untuk meningkatkan penguasaan konsep dan keterampilan proses sains siswa*. (Tesis). SPS, Universitas Pendidikan Indonesia, Bandung.
- Firman, H. (2013). *Evaluasi pembelajaran kimia*. Bandung : Jurusan Pendidikan Kimia, FPMIPA, UPI.

- Gabel, D. (1999). Improving teaching and learning through chemistry education research: A look to the future. *Journal Chemical of Education*, 76, hlm. 548 – 554.
- Gilbert, J. K dan Treagust, D. F. (2009). Introduction: Macro, sub-micro and symbolic representations and the relationship between them: Key models In chemical education. Dalam J. K. Gilbert dan D.F. Treagust (Penyunting). *Multiple Representations in Chemical Education: Models and Modeling In Cscience Education*. Dordrecht:Springer, hlm. 1 – 8.
- Hawkes, J, S. (1998). What should we teach beginners about slubility and solubility product. *Journal of Chemical Education*, 75 (9), hlm. 1179 – 1181.
- Heli, S., Mulyani, S., Dwiyantri, G., dan Wahyu, W. (_____), Pengembangan pembelajaran berbasis intertekstual untuk meningkatkan pemahaman konsep mahasiswa pada topik hormon. Universitas Pendidikan Indonesia: Jurusan Pendidikan Kimia.
- Hosnan, M. (2014). *Pendekatan saintifik dan kontekstual dalam pembelajaran abad 21: Kunci sukses implementasi kurikulum 2013*. Bogor: Galia Indonesia.
- Johnstone, A. H. (2000). Teaching of chemistry – logical or psychological. *Chemistry Education : Research and Practice in Europe*, 1, hlm. 9 – 15.
- _____.(2006). Chemical education research In glasgow In perspective. *Chemistry Education Research and Practice*, 7 (2), hlm. 49 – 63.
- Kaartinen, S. dan Kumpulainen, K. (2002). Collaborative inquiry and the construction of explanations In the learning of science. *Elsevier: Learning and Instruction*, 12, 189 – 212.
- Karamustafaoğlu, S. (2011). Improving the science process skills ability of science student teachers using I diagrams. *Eurasian Journal of Physics and Chemistry*, 3 (1), hlm. 26 – 38.
- Karsli, F. dan Şahin, Ç. (2009). Developing worksheet based on science process skills : Factors affecting solubility. *Asia-Pacific Forum on Science Learning and Teaching*, 10, hlm. 1 – 12.
- Keil, C., Haney, J., dan Zoffel, J. (2009). Improvements In student achievement and science process skill using environmental health science problem-based learning curricula. *Electronic Journal of Science Education*, 13, hlm. 1 – 18.

Kicky Uceu Wardani, 2017

STRATEGI PEMBELAJARAN INTERTEKSTUAL BERBASIS INKUTRI TERBIMBING PADA MATERI KELARUTAN DAN HASIL KALI KELARUTAN UNTUK MENINGKATKAN PENGUASAAN KONSEP DAN KETERAMPILAN PROSES SAINS SISWA

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- Kemdikbud. (2006). *Lampiran Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia Nomor 22 Tahun 2006 tentang Standar Proses*. Jakarta: Depdikbud.
- _____. (2016). *Silabus mata pelajaran sekolah menengah atas/madrasah aliyah (SMA/MA): Mata Pelajaran Kimia*. Jakarta: Depdikbud.
- Krause, S. dan Tasooji, A. (2007). Diagnosing student's misconception on solubility and saturation for understanding of phase diagrams. *American Society for Engineering Education*, 413.
- Metafisika, K. (2014). *Pengembangan model buku teks pelajaran berbasis representasi kimia pada pokok bahasan kelarutan dan hasil kali kelarutan*. (Tesis). SPs, Universitas Pendidikan Indonesia, Bandung.
- Moore, E. Herzog, T. dan Perkins, K. (2013). Interactive simulations as implicit support for guided-inkuiri. *Chemistry Education Research and Practice*, 14, hlm. 257—268.
- Morissan, dkk. (2012). *Metode penelitian survey*. Bandung: Remaja Rosdakarya.
- Mulyati, dkk. (2000). *Common text book: Strategi belajar mengajar Kimia*. Bandung: FPMIPA UPI.
- Munthe, B. (2009). *Desain Pembelajaran*. Yogyakarta: Pustaka Insan Madani.
- Mutlu, M dan Temiz, B. (2010). Science process skills of students having field dependent and field independent cognitive styles. *Journal Educational Research and Review*, 8 (11), hlm. 766 – 776.
- Nopihargu, A. (2014). *Implementasi strategi pembelajaran intertekstual pada materi redoks SMA kelas X*. (Skripsi). FPMIPA, Universitas Pendidikan Indonesia, Bandung.
- Önder, I dan Geban, Ö. (2006). The Effect of conceptual change texts oriented instruction on students' understanding of the solubility equilibrium concept. *Journal of Education*, 30, hlm. 166 – 173.
- Özgelen, S. (2012). Student's science process skills within a cognitive domain framework. *Eurasia Journal of Mathematics, Science & Technology Education*, 8, hlm. 283 – 292.

- Padilla, M. (1984). The effects of instruction on integrated science process skill achievement. *Journal of Research In Science Teaching*, 21 (3), hlm. 277 – 287.
- Padilla, M.J., Okey, J.R., dan Dillashaw, F.G. (1983). The relationship between science process skill and formal thinking abilities. *Journal of Research In Science Teaching*, 20 (3), hlm. 239 – 246.
- Palincsar, A.S., Collins, K.M., Marano, N. L., dan Magnusson, S.J. (2000). Investigating the engagement and learning of students with learning disabilities in guided inquiry science teaching. *Language, Speech, and Hearing Services In Schools*, 31, hlm. 240 – 251.
- Pinarbasi, T dan Canpolat, N. (2003). Students' understanding of solution chemistry concept. *Journal of Chemical Education*.80 (11), hlm 1328 – 1332.
- Rahmiati, S. (2017). *Strategi pembelajaran intertekstual dengan inkuiri berbasis model pada materi redoks untuk meningkatkan penguasaan konsep dan keterampilan proses sains siswa*. (Tesis). SPs, Universitas Pendidikan Indonesia, Bandung.
- Raviolo, A. (2001). Assessing students' conceptual understanding of solubility equilibrium. *Journal of Chemical Education*, 78, hlm. 629 – 631.
- Sagala, S. (2010). *Konsep dan makna dalam pembelajaran : Untuk membantu memecahkan problematika belajar dan mengajar*. Bandung : Alfabeta.
- Sanjaya, W. (2009). *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*. Jakarta : Kencana Prenada Media Group.
- Semiawan, C. dkk. (1988). *Pendekatan keterampilan proses: Bagaimana mengaktifkan siswa dalam belajar*. Jakarta:Gramedia.
- Silberberg, M, S. (2007). *Principles of general chemistry*. New York:McGraw-Hill.
- Sirhan, G. (2007) Learning difficulties in chemistry : An overview. *Journal of Turkish Science Education*, 4, hlm.2 – 20.
- Sukmadinata, N. S. (2013). *Metode penelitian pendidikan*. Bandung:Remaja Remaja Rosdakarya.

- Sunarya, Y. (2013). *Kimia dasar 2: Berdasarkan prinsip-prinsip kimia terkini*. Bandung: Yrama Widya.
- Suyanti, R. D. (2010). *Strategi pembelajaran kimia*. Yogyakarta: Graha Ilmu.
- Taber, K. S. (2013). Revisiting the chemistry triplet: Drawing upon the nature of chemical knowledge and the psychology of learning to inform chemistry education. *Chemistry Education Research and Practice*, 14, hlm. 156 – 168.
- Talanquer, V. (2010). Macro, submicro, and symbolic: The many faces of the chemistry “triplet”. *International Journal of Science Education*, 33 (2), hlm. 179 – 195.
- Tasker, R dan Dalton, R. (2006). Research into practice: visualization of the molecular world using animations. *Chemistry Education Research and Practice*, 7, hlm. 141 – 159.
- Tawil, M. dan Liliyasi. (2014). *Keterampilan-keterampilan sains dan implementasinya dalam pembelajaran IPA*. Makassar : Badan Penerbit UNM.
- Tosun, C dan Taskesenligil, Y. (2013). The effect of problem-based learning on undergraduate student’s learning about solutions and their physical properties and scientific processing skills. *Chemistry Education Research and Practice*, 14, hlm. 36 – 50.
- Uno, H. B. (2007). *Model pembelajaran : Menciptakan proses belajar mengajar yang kreatif dan efektif*. Jakarta : Bumi Aksara.
- Valeras, M., Pappas, C. C., dan Rife, A. (2006). Exploring the role of intertextuality in concept construction: Urban second graders make sense of evaporation, boiling, and condensation. *Journal of Research in Science Teaching*, 43, hlm. 637–666.
- Viyandari, A., Priatmoko, S., dan Latifah. (2012). Analisis miskonsepsi siswa terhadap materi kelarutan dan hasil kali kelarutan (K_{sp}) dengan menggunakan two tier diagnostic instrument. *Jurnal Inovasi Kimia*, 6 (1), hlm. 852 – 861.
- Vlassi, M. dan Karaliota, A. (2013). The comparison between guided inquiry and traditional teaching method. A case study for teaching of the structure of matter to 8th grade Greek students. *Social and Behavioral Sciences*, 93, hlm. 494 – 497.

- Weinbaum, dkk. (2004). *Teaching as inquiry: Asking hard question to improve practice and students achievement*. New York: Teachers College Press
- Wenning, C.J. (2004). Levels of inquiry: Hierarchies of pedagogical practices and inquiry processes. *Journal of Physics Teacher Education Online*, 7, hlm. 7 – 14.
- Whitten, et.al. (2014). *Chemistry*. 10th edition. Belmont: Brooks/Cole.
- Wu, K, H. (2003). Linking the microscopic view of chemistry to real-life experiences: Intertextuality in a high-school science classroom. *Wiley Periodicals Inc.*, 87, hlm. 868– 891.
- Wulandari, K. (2015). *Strategi pembelajaran intertekstual dengan POGIL pada konsep tingkat kejenuhan larutan untuk meningkatkan penguasaan konsep dan keterampilan proses sains siswa*. (Skripsi). FPMIPA, Universitas Pendidikan Indonesia, Bandung.
- Zumdahl, S, S, dan De Coste, D, J. (2010). *Introductory chemistry*. Belmont USA: Brooks/Cole.
- Kamus Besar Bahasa Indonesia. (t.t.). Diakses dari: <http://kbbi.web.id/kuasa>.