

DAFTAR PUSTAKA

- Abungu, H.E., Mark, I.O., Okere., Samuel W., & Wachanga. (2014). The Effect of Science Process Skills Teaching Approach on Secondary School Students' Achievement in Chemistry in Nyando District Kenya. *Journal of Educational and Social Research*, **4(6)**, 359-372.
- Andromeda., Ellizar., Iryani., Yerimadesi., & Rahmah, F. (2019). The Effectiveness of Guided Inquiry Based Colloid System Modules Integrated Experiments on Science Process Skills and Student Learning Outcomes. *Journal of Physics: Conference Series*, **1317(1)**, 1-8.
- Anni, C.T. (2007). Psikologi Belajar. Semarang: Unnes Press.
- Arikunto, S. (2002). Metodologi Penelitian Suatu Pendekatan Proposal. Jakarta : PT. Rineka Cipta.
- Arikunto,S.(2006). Metode Penelitian Kualitatif. Jakarta : Bumi Aksara.
- Aristina & Azizah, U. (2018). Train Science Process Skill Throught Implementation of Guided Inquiry Learning Models on Chemical Equilibrium at XI Class in Senior High School 1 Jombang. *UNESA Journal of Chemistry Education*, **7(2)**, 105-110.
- Azwar, S. (2009). Metode Penelitian. Yogyakarta: Pustaka Pelajar.
- Balanay, C.A.S., & Roa, E.C. (2013). Assessment on Students' Science Process Skills: A Student-Centred Approach. *International Journal of Biologi Education*, **3(1)**, 24-44.
- Berliana,Y., & Yonata, B. (2019). Implementation of Guided Inquiry Learning Models To Train Science Process Skills For Eleven-Grade at SMAN 1 Cerme on Factors Affect Chemical Equilibrium Submatter. *Unesa Journal of Chemical Education*, **8(2)**, 7-14.
- Blumer., Lawrence S., & Christopher W.B. (2019). Laboratory Courses with Guided-Inquiry Modules Improve Scientific Reasoning and Experimental Design Skills forthe Least-Prepared Undergraduate Students. *CBE—Life Sciences Education Journal*, **18(1)**, 1-13.

- Brady, J.E. (2003). *Kimia Universitas Asas dan Struktur Jilid Dua*. Binarupa Aksara. Tangerang.
- Brown, T. L., Lemay, H. E., Bursten, B. E., Murphy, C. J., & Woodward, P. M. (2012). *Chemistry: The Central Science*. (Edisi ke-12). New York: Pearson Prentice Hall.
- Bundu, P. (2006). *Penilaian Keterampilan Proses dan Sikap Ilmiah dalam Pembelajaran Sains Sekolah Dasar*. Jakarta: Depdiknas.
- Campbell, T., & Bohn, C. (2008). Science Laboratory Experience of high School Student Across One State in the U.S : Descriptive Research From the Classroom, *Science Educator*, **17(1)**, 36-44.
- Çetinkaya, M., & Özyürek, C. (2019). The Effect of Inquiry-Based Science Activities on Prospective Science Teachers' Scientific Process Skills. *International Online Journal of Education and Teaching*, **6(1)**, 56–70.
- Chesilia, M.S., & Nasrudin, H. (2019). Melatihkan Keterampilan Proses Sains, Siswa Melalui Penerapan Model Pembelajaran Inkuiri Terbimbing Pada Materi Kesetimbangan Kimia Untuk Kelas XI IPA 44 Di MAN Kota Mojokerto. *Unesa Journal of Chemical Education*. **7(3)**, 326-332.
- Cochran, R. (2007). The impact of Inquiry-Based Mathematics on Context Knowledge and Classroom Practice. *Journal*. Tersedia: <http://www.rume.org/crume2007/papers/cochran-mayer-mullins.pdf>. (Diakses Pada 22 Oktober 2020).
- Collette, A.T., & Chiappetta, E. L. (1994). *Science Instruction in the Middle and Secondary Schools* (3rd edition.) New York: Merrill.
- Damopolii, I., Keley, U., Rianjani, D.I., Hendriek, J., Nunaki., Nusantari, E., & Kandowanko, N.Y. (2020). Potential of Inquiry-Based Learning To Train Students' Metacognitive and Science Process Skill. *The International Journal of Social Sciences*, **8(1)**, 83-98.
- Derlina. (2013). Pengembangan Perangkat Pembelajaran Fisika Berbasis Model Pembelajaran Konstruktivis Untuk Meningkatkan Kemampuan Berpikir Logis Siswa SMA, *Prosiding Seminar Hasil Penelitian Lembaga Penelitian Unimed Tahun 2013 Bidang Pendidikan*.

- Derlina. (2016). Efek Penggunaan Model Pembelajaran Inquiry Training Berbantuan Media Visual Dan Kreativitas Terhadap Keterampilan Proses Sains Siswa. *Jurnal Cakrawala Pendidikan*, **15(2)**, 153–163.
- Dewi, S. (2008). Keterampilan Proses Sains. Bandung: Tinta Emas Publishing.
- Dimiyati., & Mudjiono. (2002). Belajar dan Pembelajaran. Jakarta: Rineka Cipta dan Depdikbud.
- Dimiyati., & Mudjiono. (2010). Belajar dan Pembelajaran. Jakarta : PT. Rineka Cipta
- Djamarah, S.B. (2002). Strategi Belajar Mengajar .Jakarta : Rineka Cipta.
- Djamarah., & Zain. (2006). Strategi belajar mengajar. Jakarta: Rineka Cipta.
- Duda, H. J., Susilo, H., & Newcombe, P. (2019). Enhancing Different Ethnicity Science Process Skills: Problem-Based Learning Through Practicum and Authentic Assessment. *International Journal Of Instruction*, **12(1)**, 1207–1222.
- Eni, M., & Harun, N. (2019). Efektivitas Model Pembelajaran Inkuiri Terbimbing Dalam Melatihkan Keterampilan Proses Sains Peserta Didik Pada Materi Kesetimbangan Kimia Kelas XI Di MAN 2 Jombang. *Unesa Journal of Chemical Education*, **8(3)**. 288-293.
- Firman, H. (2000). Penilaian Hasil Belajar dalam Pengajaran Kimia. Bandung: Jurusan Pendidikan Kimia FPMIPA UPI.
- Güler, B., & Şahin, M. (2019). Using Inquiry-Based Experiments To Improve Pre-Service Science Teachers' Science Process Skills. *International Journal of Progressive Education*, **15(5)**, 1–18.
- Hidayati, N., & Yonata, B. (2019). Implementation of Guided Inquiry Learning Model To Practice Science Process Skills in Chemical Equilibrium Material For XI Grade Of Sman Ngoro Jombang. *Unesa Journal of Chemical Education*, **8(2)**, 148-155.
- Irwanto., Rohaeti, E., & Prodjosantoso, A. K. (2019). Analyzing The Relationships Between Pre-Service Chemistry Teachers' Science Process Skills And Critical Thinking Skills. *Journal of Turkish Science Education*, **16(3)**, 299–313.

- Ischan, A.V., Saptorini., & Endang, S. (2017). Pengaruh Praktikum Berbasis Inkuiri Terbimbing Berbantuan Lembar Kerja Praktikum terhadap Keterampilan Proses Sains. *Jurnal Pendidikan Kimia*, **6 (1)**, 33-39.
- Jacobsen., David, A., & Paul, E. (2009). *Methods For Teaching*. Yogyakarta: Pustaka Pelajar.
- Juniar, A., & Dwi, F. R. (2019a). The Difference of Students' Learning Outcomes and Science Process Skill Which Taught By Guided Inquiry and Direct Instruction With Practicum Integrated. *Jurnal Pendidikan Kimia*, **11(1)**, 8–13. <https://doi.org/10.24114/jpkim.v11i1.13035>.
- Juniar, A., Dwi F.R., & Tambunan, P.M. (2021). The Distinction of Students ' Science Process Skill and Learning Activities Between Guided Inquiry and Conventional Learning with Experiment. *Journal Of Physics : Conference Series*, 1-11. <https://doi.org/10.1088/1742-6596/1788/1/012043>
- Juniar, A., Silalahi, A., & Suyanti, R. D. (2020b). The Effect of Guided Inquiry Model on Improving Student's Learning Outcomes and Science Process Skills in Qualitative Analytical Chemistry Practicum. *Universal Journal of Educational Research*, **8(11)**, 5457–5462. <https://doi.org/10.13189/ujer.2020.081149>.
- Juniar, A., Silalahi, A., & Suyanti, R.D. (2020a). Developing Guided Inquiry-Based Module on Topic Argentometry To Improve Science Process Skills Preservice Chemistry Teachers. *Advances in Social, Education and Humanities Research*, **488(Aisteel)**, 371–375. <https://doi.org/10.2991/assehr.k.201124.076>.
- Juniar, A., Pravi, M., Niru, S., & Dewi. (2019b). Pengaruh Penerapan Model Inkuiri Terbimbing Terhadap Keterampilan Proses Sains Dan Hasil Belajar Siswa, *Jurnal Inovasi Pendidikan Kimia*, **1(1)**, 23-31.
- Karsli, F., & Şahin, Ç. (2009). Developing Worksheet Based on Science Process Skills: Factors Affecting Solubility in Asia-Pacific Forum on Science Learning and Teaching *The Education University of Hong Kong*, **10(1)**, 1-12.
- Kuhlthau, C.C., Maniotes, L.K., dan Caspari, A.K. (2012). *Guided Inquiry Design : a framework fo inquiry in your school*, ebook: www.abc.clio.com. California.
- Makhfidah, E., & Nasrudin, H. (2019). The Effectiveness Of The Most Inquiry Learning Model in Training The Skills Of Science Students In Class XI In

- Chemical Equilibrium Materials in MAN 2 Jombang. *Unesa Journal of Chemical Education*, **8(3)**, 288-293.
- Malihah, M. (2014), Pengaruh Model *Guided Inquiry* (Inkuiri Terbimbing) Terhadap Hasil Belajar Kimia Siswa Pada Konsep Laju Reaksi (Quasi Eksperiment di Kelas XI IPA SMAN 1 Leuwiliang), Skripsi, FITK, UIN Syarif Hidayatullah, Jakarta.
- Margunayasa, I. G., Dantes, N., Marhaeni, A. A. I. N., & Suastra, I. W. (2019). The Effect of Guided Inquiry Learning and Cognitive Style on Science Learning Achievement. *International Journal of Instruction*, **12(1)**, 737–750.
- Matthew, B., & Kenneth, I. (2013). A Study on The Effectc of Guided Inquiry Teaching Method on Students Achievement in Logic. *International Research*, **2(1)**, 134- 140.
- Milfayetty S., Yus, N., & Hutasuhut, Z. (2015), Psikologi Pendidikan, Pascasarjana Unimed. Medan.
- Mumba, F., Miles, E., & Chabalengula, V. (2019). Elementary Education In-service Teachers Familiarity, Interest, Conceptual Knowledge and Performance on Science Process Skills. *Journal of STEM Teacher Education*, **53(2)**, 21-42.
- Nasrudin, H., & Chesilia, M.S. (2018). Trace The Science Process .Skill Students Through Application Of Guided Inquiry Learning Model On Chemical Equilibrium Material Class XI IPA 4 At Man Kota Mojokerto. *Journal of Chemical Education*, **7(3)**, 326 – 332.
- Nurmayani J.S., Patandean, A.J., & Muhammad, A.R. (2017). Peranan Model Pembelajaran Inkuiri Terbimbing Terhadap Keterampilan Proses Sains Pada Peserta Didik Kelas X SMA Negeri 2 Polewali. *Jurnal Sains dan Pendidikan Fisika (JSPF)*, **13(1)**, 255-262.
- Nurul, H., & Yonata, B. (2019). Penerapan Model Pembelajaran Inkuiri Terbimbing Untuk Melatihkan Keterampilan Proses Sains Peserta Didik Pada Materi Keseimbangan Kimia Kelas XI SMAN Ngoro Jombang. *Unesa Journal of Chemical Education*. **8(2)**, 148-155.
- Pearce, A. R., Sale, A. L., Srivatsan, M., Beck, C. W., Blumer, L. S., & Grippo, A. A. (2013). Inquiry-based investigation in biology laboratories: Does neem provide bioprotection against bean beetles?, *Bioscene*, **39(2)**, 11–16.

- Purba Michael. (2011). *Kimia Untuk SMA Kelas XI*. Jakarta: Erlangga
- Purwanto, N. (2007). *Psikologi Pendidikan*. Bandung: Remaja Rosdakarya.
- Rialdi, M., & Juniar, A. (2020). Pengaruh Model Pembelajaran Inkuiri Terbimbing Terhadap KPS Siswa Dan Hasil Belajar Pada Materi Asam Basa. *Jurnal Inovasi Pembelajaran Kimia*, **2(1)**, 41-45.
- Roestiyah. (2008). *Strategi Belajar Mengajar*. Jakarta: Rineka Cipta
- Roestiyah. (2012). *Strategi Belajar Mengajar*. Jakarta: Rineka Cipta.
- Rustaman. (2005). *Model-model Pembelajaran*. Bandung: Alfabeta.
- Saidaturrahmi., Gani, A., & Hasan, M. (2019). Penerapan Lembar Kerja Peserta Didik Inkuiri Terbimbing Terhadap Keterampilan Proses Sains Peserta Didik. *Jurnal Pendidikan Sains Indonesia*. **7(1)**, 1-8.
- Salistia, M.L, Ismono. (2019). Penerapan Model Pembelajaran Inkuiri Terbimbing Untuk Melatihkan Keterampilan Proses Sains Siswa Pada Materi Keseimbangan Kimia. *Journal of Chemical Education*, **8(2)**, 275–281.
- Santoso, R. D., & Hidayah, R. (2020). Profile of Students ' Scince Process Skills in Electrolyte and Non Electrolyte Materials and The Implementation of Student Worksheet Oriented Blended Learning in SMA, *Prosiding Seminar Nasional Kimia (Jurusan Kimia FMIPA Universitas Negeri Surabaya)*, 124–134.
- Saputri,C.M., & Nasrudin, H. (2018). The Science Process .Skill Students Through Application of Guided Inquiry Learning Model on Chemical Equilibrium Material Class XI IPA 4 At MAN Kota Mojokerto. *Unesa Journal of Chemical Education*, **7(3)**, 326-332.
- Savira, N.A., & Rudiana, A. (2016). Pengembangan LKPD Berbasis Guided Inquiry Untuk Meningkatkan Keterampilan Proses Sains Dan Penguasaan Konsep Pada Materi Keseimbangan Kimia, *Journal of Chemistry Education*, **9(1)**, 59-63.
- Sidiq, Y. (2012). Pengaruh Strategi Pembelajaran Inkuiri-Stad (Instad) Terhadap Keterampilan Proses Sains dan Hasil Belajar Biologi Siswa SMA Batik 1 Surakarta Tahun Pelajaran 2011/2012. Surakarta: Skripsi tidak diterbitkan.
- Silitonga, P.M. (2011), *Metodologi Penelitian Pendidikan*, UNIMED, Medan.

- Siska S., Ismilah, M., & Rafi. (2021). Model Pembelajaran Inkuiri Dengan ETD (Explain, Test, Discussion) Dalam Pembelajaran Matematika Di Masa Pandemi. *Seminar Nasional Pendidikan Matematika*, **2(1)**, 95-104.
- Sudarmo. (2017). Buku Kimia Untuk SMA/MA Kelas XI Kurikulum 2013. Jakarta : Graha Ilmu.
- Sudjana, N. (2010). Penilaian Hasil Proses Belajar Mengajar. (Cet. XV). Bandung: PT. Ramaja Rosdakarya.
- Sudjana. (2005), Metoda Statistika, Bandung, Tarsito.
- Sugiyono. (2012). Metode Penelitian Kuantitatif Kualitatif dan R&D. Bandung : Alfabeta.
- Sugiyono. (2018). Metode Penelitian Kuantitatif. Bandung: Alfabeta.
- Sukarna, I.M. (2003). Kimia Dasar 1. Bandung: JICA.
- Syahrul, M. (2013). Model dan Sintaks Pembelajaran Konvensional. Tersedia di :http://www.wawasanpendidikan.com/2013/08/modeldansintakspembelajaran_konvensional.html. (Diakses pada 22 Oktober 2020).
- Tarigan,S. (2018). Pengembangan Program Pengajaran Kimia. Medan : Unimed Press.
- Tawil & Liliyasi. (2014). Keterampilan-Keterampilan Sains dan Implementasinya Dalam Pembelajaran IPA. Makassar : Universitas Negeri Makassar.
- Trianto, 2010. Model Pembelajaran Terpadu. Jakarta: Bumi Aksara.
- Triyani, R., & Azizah, U. (2020). Training Of Science Literacy Skills In Chemical Equilibrium Through Implementation Guided Inquiry Learning. *Jurnal Tadris Kimiya*, **5(1)**, 35-47.
- Turkmen, H., & Usta, E. (2007). The Role of Learning Cycle Approach Overcoming Misconceptions in Science. *Kastamonu Education Journal*, **15(2)**, 491-500.
- Wahyuni, S. (2016). Buku Ringkasan Materi Dan Latihan (Brilian) Kimia Untuk SMA/MA Kelas XI. Jakarta : Grafindo.
- Wenning, C.J. (2005). Levels of inquiry : Hierarchies of Pedagogical Practices and Inquiry Processes. *Journal of Physics Teacher Education Online*, **2(3)**, 3-11.

- Wulaningsih, S., Baskoro A.P., & Riezky M. P. (2012). Pengaruh Model Pembelajaran Inkuiri Terbimbing Terhadap Keterampilan Proses Sains di Tinjau Dari Kemampuan Akademik Siswa SMA Negeri 5 Surakarta. Universitas Negeri Surakarta: *Jurnal Pendidikan Biologi*, **4(2)**, 33-43.
- Yulianingsih, U., & Hadisaputro, S. (2013). Efektivitas Pendekatan Student Centered Learning Dengan Inkuiri Terbimbing Untuk Meningkatkan Hasil Belajar, *Jurnal Pendidikan Kimia*, **2(2)**, 149-155.

