

DAFTAR PUSTAKA

- Agnia, A. N., Permanasari, A., & Hernani. (2021). Jurnal Riset dan Praktik Pendidikan Kimia. *Jurnal Riset Dan Praktik Pendidikan Kimia*, 9(1), 24–36.
- Akbar, S. (2013). *Instrumen Perangkat Pembelajaran*. Remaja Rosdakarya Offse.
- Anagün, Ş. S., & Özden, M. (2010). Teacher candidate's perceptions regarding socio-scientific issues and their competencies in using socio-scientific issues in science and technology instruction. *Procedia - Social and Behavioral Sciences*, 9, 981–985. <https://doi.org/10.1016/j.sbspro.2010.12.271>
- Angraini, G. (2014). Analisis Kemampuan Literasi Sains Peserta Didik SMA Kelas X di Kota Solok. *Jurnal Pendidikan Matematika dan Sains. Jurnal Pendidikan Matematika Dan Sains.*, 1(4), 161–170.
- Arthur, J., & Davison, J. (2000). Social literacy and citizenship education in the school curriculum. *International Journal of Phytoremediation*, 21(1), 9–23. <https://doi.org/10.1080/095851700361366>
- Assingkily, M. S. (2020). Upaya Mewujudkan Program Kampus Merdeka Pada Kurikulum PGMI STIT Al Ittihadiyah Labuhanbatu Utara. *At-Thullab: Jurnal Pendidikan Guru Madrasah Ibtidaiyah*, 4(2), 62–77.
- Atabay, N., & Topcu, M. S. (2017). The Development of a Socioscientific Issues-Based Curriculum Unit for Middle School Students: Global Warming Issue. *International Journal of Education in Mathematics, Science and Technology*, 5(3), 153–153. <https://doi.org/10.18404/ijemst.296027>
- Az-Zahra, H. R., Sarkadi, S., & Bachtiar, I. G. (2018). Students' Social Literacy in their Daily Journal. *Mimbar Sekolah Dasar*, 5(3), 162. <https://doi.org/10.17509/mimbar-sd.v5i3.12094>
- Bagasta, A. R., Rahmawati, D., M, D. M. F. Y., Wahyuni, I. P., & Prayitno, B. A. (2018). Profil Kemampuan Literasi Sains Peserta Didik di Salah Satu SMA Negeri Kota Sragen. *Pedagogia : Jurnal Pendidikan*, 7(2), 121–129. <https://doi.org/10.21070/pedagogia.v7i2.1551>
- Bearne, E. (2009). Multimodality, literacy and texts: Developing a discourse. In *Journal of Early Childhood Literacy* (Vol. 9, Issue 2). <https://doi.org/10.1177/1468798409105585>
- Budiwati, R., Budiarti, A., Muckromin, A., Hidayati, Y. M., & Desstya, A. (2023). Analisis Buku IPAS Kelas IV Kurikulum Merdeka Ditinjau dari Miskonsepsi. *Jurnal Basicedu*, 7(1), 523–534. <https://doi.org/10.31004/basicedu.v7i1.4566>

- Bybee, R. W., & Chair. (2009). PISA'S 2006 Measurement of Scientific Literacy: An Insider's Perspective for the U.S. *NCES PISA Research Conference, March 2008*, 1–25. https://edsurveys.rti.org/PISA/documents/BybeeNCES_PISA_Research_Conference_Paper_Final_psg.pdf
- Candiasa, I. M. (2010). *Pengujian Instrumen Penelitian Disertai Aplikasi ITEMAN dan BIGSTEPS*. Unit Penerbitan Universitas Pendidikan Ganesha.
- Chowdhury, T. B. M., Holbrook, J., & Rannikmäe, M. (2020). Socioscientific Issues within Science Education and their Role in Promoting the Desired Citizenry. *Science Education International*, 31(2), 203–208. <https://doi.org/10.33828/sei.v31.i2.10>
- Church, A. H. (2020). The Meaning of Scientific Management. *The Contributions of Alexander Hamilton Church to Accounting and Management*, 4(3), 17–21. <https://doi.org/10.4324/9781003056584-3>
- DeBoer, G. E. (2000). Scientific literacy: Another look at its historical and contemporary meanings and its relationship to science education reform. *Journal of Research in Science Teaching*, 37(6), 582–601. [https://doi.org/10.1002/1098-2736\(200008\)37:6<582::AID-TEA5>3.0.CO;2-L](https://doi.org/10.1002/1098-2736(200008)37:6<582::AID-TEA5>3.0.CO;2-L)
- Dewi, N. K., & Affifah, D. R. (2019). Analisis perilaku cyberbullying ditinjau dari big five personality dan kemampuan literasi sosial media. *Counsellia: Jurnal Bimbingan Dan Konseling*, 9(1), 79. <https://doi.org/10.25273/counsellia.v9i1.4301>
- Dewi, P. (2022). Analisis Buku Panduan Guru Fase A Kelas I Kurikulum Merdeka Mata Pelajaran Pendidikan Pancasila pada Jenjang Sekolah Dasar. *Edukasi: Jurnal Pendidikan Dasar*, 3(2), 131. <https://doi.org/10.55115/edukasi.v3i2.2475>
- Effendi, E., Sinensis, A. R., & Firdaus, T. (2023). Peningkatan Literasi Sains Mahasiswa Pendidikan Fisika Melalui Pembuatan LKPD Berbasis Sosio Saintifik. *JIPFRI (Jurnal Inovasi Pendidikan Fisika Dan Riset Ilmiah)*, 7(1), 35–39. <https://doi.org/10.30599/jipfri.v7i1.2222>
- Erni, S., Utomo, U., & Fitriyani, L. A. (2023). Analisis kemampuan literasi sosial siswa siswa sd. *Journal of Elementary School (JOES)*, 6(1), 7–12.
- Fleming, R. (1986). Adolescent reasoning in socio-scientific issues, part I: Social cognition. *Journal of Research in Science Teaching*, 23(8), 677–687. <https://doi.org/10.1002/tea.3660230803>

- Graber, W., Erdmann, T., & Schlieker, V. (2001). ParCIS: Aiming for scientific literacy through Self-regulated learning with the internet. *Science and Technology Education: Preparing Future Citizens-IOSTE Symposium in Southern Europe*, 205–214. <https://files.eric.ed.gov/fulltext/ED466362.pdf>
- Gregory, R. J. (2000). *Psychological Testing: History, Principles, and Applications*. Allyn and Bacon.
- Gumperz, J. C. (2006). *The Social Construction of Literacy* (Second edi). Cambridge University Press. <http://link.springer.com/10.1007/978-3-319-59379-1%0Ahttp://dx.doi.org/10.1016/B978-0-12-420070-8.00002-7%0Ahttp://dx.doi.org/10.1016/j.ab.2015.03.024%0Ahttps://doi.org/10.1080/07352689.2018.1441103%0Ahttp://www.chile.bmw-motorrad.cl sync/showroom/lam/es/>
- Hamdi, S., Triatna, C., & Nurdin, N. (2022). Kurikulum Merdeka dalam Perspektif Pedagogik. *SAP (Susunan Artikel Pendidikan)*, 7(1), 10–17. <https://doi.org/10.30998/sap.v7i1.13015>
- Herawati, N. S., & Muhtadi, A. (2018). Pengembangan modul elektronik (e-modul) interaktif pada mata pelajaran Kimia kelas XI SMA. *Jurnal Inovasi Teknologi Pendidikan*, 5(2), 180–191. <https://doi.org/10.21831/jitp.v5i2.15424>
- Herdiana, L. E., Sunarno, W., & Indrowati, M. (2021). Studi Analisis Pengembangan E-Modul Ipa Berbasis Inkuiiri Terbimbing Dengan Sumber Belajar Potensi Lokal Terhadap Kemampuan Literasi Sains. *INKUIIRI: Jurnal Pendidikan IPA*, 10(2), 87. <https://doi.org/10.20961/inkuiri.v10i2.57247>
- Hestiana, H., & Rosana, D. (2020). The Effect of Problem Based Learning Based Sosio-Scientific Issues on Scientific Literacy and Problem-Solving Skills of Junior High School Students. *Journal of Science Education Research*, 4(1), 15–21. <https://doi.org/10.21831/jser.v4i1.34234>
- Imansari, N., & Sunaryantiningsih, I. (2017). Pengaruh Penggunaan E-Modul Interaktif Terhadap Hasil Belajar Mahasiswa pada Materi Kesehatan dan Keselamatan Kerja. *VOLT : Jurnal Ilmiah Pendidikan Teknik Elektro*, 2(1), 11. <https://doi.org/10.30870/volt.v2i1.1478>
- Indarta, Y., Jalinus, N., Waskito, W., Samala, A. D., Riyanda, A. R., & Adi, N. H. (2022). Relevansi Kurikulum Merdeka Belajar dengan Model Pembelajaran Abad 21 dalam Perkembangan Era Society 5.0. *Edukatif: Jurnal Ilmu Pendidikan*, 4(2), 3011–3024. <https://doi.org/10.31004/edukatif.v4i2.2589>
- Ismawati, R. (2019). Pemanfaatan Isu Sosio-Saintifik Tradisi Menginang Sebagai Konteks Belajar Ipa Smp. *Jurnal Pendidikan Sains (Jps)*, 7(2), 123. <https://doi.org/10.26714/jps.7.2.2019.123-128>

- Jabbar, A., Syaodih, E., & Robandi, B. (2018). *Analysis of Social Literation Concepts in IPS Materials 2013 Curriculum*. 2000, 1–9.
- Januszewski, & Molenda, M. (2008). *Educational technology: a definition with commentary*. Lawrence Erlbaum Associates.
- Jarolimek, J. (1986). *Social Studies in Elementary Education*. Macmillan Publishing Company.
- Kaya, V. H., Bahceci, D., & Altuk, Y. G. (2012). The Relationship Between Primary School Students' Scientific Literacy Levels and Scientific Process Skills. *Procedia - Social and Behavioral Sciences*, 47, 495–500. <https://doi.org/10.1016/j.sbspro.2012.06.687>
- Kaya, V. H., & Elster, D. (2018). German Students' Environmental Literacy in Science Education Based on PISA Data. *Science Education International*, 29(2), 75–87. <https://doi.org/10.33828/sei.v29.i2.2>
- KBBI. (2005). *Shared by: MY-DIARYZONE*.
- Kemdikbudristek. (2023). Keputusan Kepala Badan Standar, Kurikulum, dan Asesmen Pendidikan Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi Nomor 033/H/KR/2023 tentang Perubahan Kedua Atas Keputusan Kepala Badan Standar, Kurikulum, dan Asesmen Pendidikan Kementerian Pendi. *Kemdikbudristek*, 021.
- Kemendikbudristek. (2020). *Teknik Penyusunan Modul*. Direktorat Jenderal Pendidikan Menengah.
- Kemendikbudristek. (2022). *PERATURAN MENTERI PENDIDIKAN, KEBUDAYAAN, RISET, DAN TEKNOLOGI REPUBLIK INDONESIA NOMOR 22TAHUN 2022*. 3.
- Kinskey, M., & Zeidler, D. (2021). Elementary Preservice Teachers' Challenges in Designing and Implementing Socioscientific Issues-Based Lessons. *Journal of Science Teacher Education*, 32(3), 350–372. <https://doi.org/10.1080/1046560X.2020.1826079>
- Laugksch, R. C. (2000). Achieving Wider Scientific Literacy. *John Wiley & Sons*, 84, 71–94.
- Lestari, D. D., & Muchlis, M. (2021). PENGEMBANGAN e-LKPD BERORIENTASI CONTEXTUAL TEACHING AND LEARNING (CTL) UNTUK MELATIHKAN KETERAMPILAN BERPIKIR KRITIS SISWA PADA MATERI TERMOKIMIA KELAS XI SMA. *Jurnal Pendidikan Kimia Indonesia*, 5(1), 25–33. <https://doi.org/10.23887/jpk.v5i1.30987>

- Linn, M. C., Palmer, E., Baranger, A., Gerard, E., & Stone, E. (2015). Undergraduate research experiences: Impacts and opportunities. *Science*. <https://doi.org/10.1126/science.1261757>
- Marlina, T., & Halidatunnisa, N. (2022). Implementasi Literasi Sosial Budaya Di Sekolah Dan Madrasah. *Al-Madrasah: Jurnal Pendidikan Madrasah Ibtidaiyah*, 6(2), 426. <https://doi.org/10.35931/am.v6i2.1002>
- Maullidyawati, T., Maulidiya, L., Rahmadani, R. S., & Hidayah, R. (2022). Pengembangan E-Lkpd Berbasis Inkuiiri Flipped Classroom Pada Materi Kesetimbangan Kimia Untuk Melatihkan Literasi Sains Di Era Merdeka Belajar. *UNESA Journal of Chemical Education*, 11(2), 104–112. <https://doi.org/10.26740/ujced.v11n2.p104-112>
- Mijaya, N. P. A. P., Sudiatmika, A. A. I. A. R., & Suardana, I. N. (2021). Pengembangan E-Modul Pembelajaran Ipa Smp Kelas Vii Berbasis Model Pembelajaran Levels of Inquiry Untuk Meningkatkan Literasi Sains Siswa. *Quantum: Jurnal Inovasi Pendidikan Sains*, 12(2), 220. <https://doi.org/10.20527/quantum.v12i2.11258>
- Antris, Nada Fadhilah, & Andromeda. (2023). Efektivitas E-Modul Laju Reaksi Berbasis Inkuiiri Terbimbing Terintegrasi Video Percobaan terhadap Hasil Belajar Siswa. *Jurnal Pendidikan Mipa*, 13(1), 205–210. <https://doi.org/10.37630/jpm.v13i1.863>
- Nava, T. H. N. S., & Prasetyo, Z. K. (2018). Pengaruh Pendekatan Socio-Scientific Issues Berbasis Stem Terhadap Literasi Sains Siswa. *E-Journal Pendidikan IPA*, 7(5), 162–167.
- Rohmaya, N., Suardana, I N., & Tika, I N. (2023). Efektifitas E-LKPD Kimia SMA/MA dengan Model Pembelajaran Berbasis Masalah Berkonteks Isu-isu Sosial Sains dalam Meningkatkan Literasi Sains Peserta Didik. *Jurnal Pendidikan Mipa*, 13(1), 25–33. <https://doi.org/10.37630/jpm.v13i1.825>
- Nuangchalerm, P. (2010). Engaging students to perceive nature of science through socioscientific issues-based instruction. *European Journal of Social Sciences*, 13(1), 34–37.
- Nugraha, A., Subarkah, C. Z., & Sari. (2015). Penggunaan E-Module Pembelajaran pada Konsep Sifat Koliagtif Larutan untuk Mengembangkan Literasi Kimia Siswa. *Prosiding Simposium Nasional Inovasi Dan Pembelajaran Sains*, 2015(Snips), 51-.
- OECD. (2019). *Pisa Theory Group*.

- Oksuz, Y. (2016). Evaluation of Emotional Literacy Activities: A Phenomenological Study. *Journal of Education and Practice*, 7(36), 34–39. www.iiste.org
- Ózdem, Y., Çavaş, P., Çavaş, B., Çakiroğlu, J., & Ertepınar, H. (2010). An investigation of elementary students' scientific literacy levels. *Journal of Baltic Science Education*, 9(1), 6–19.
- Piaget, J. (1967). *Six Psychological Studies*. Vintage Books.
- Polish. (2000). *Interdisciplinary education – challenge of 21 st century*. 134.
- Purnamasari, U. A., Arifuddin, M., & Hartini, S. (2018). Meningkatkan Aktivitas Belajar Siswa Pada Mata Pelajaran IPA dengan Model Pembelajaran Kooperatif Tipe Group Investigation. *Berkala Ilmiah Pendidikan Fisika*, 6(1), 1–26.
- Putri, C. D., Pursitasari, I. D., & Rubini, B. (2020). Problem Based Learning Terintegrasi STEM Di Era Pandemi Covid-19 Untuk Meningkatkan Keterampilan Berpikir Kritis Siswa. *Jurnal IPA & Pembelajaran IPA*, 4(2), 193–204. <https://doi.org/10.24815/jipi.v4i2.17859>
- Retnawati, H. (2015). *Analisis Kuantitatif Instrumen Penelitian*. Parama.
- Rohmawati, E., Widodo, W., & Agustini, R. (2018). Membangun Kemampuan Literasi Sains Siswa Melalui Pembelajaran Berkonteks Socio-Scientific Issues Berbantuan Media Weblog. *Jurnal Penelitian Pendidikan IPA*, 3(1), 8. <https://doi.org/10.26740/jppipa.v3n1.p8-14>
- Rostikawati, D. A., & Permanasari, A. (2016). Rekonstruksi bahan ajar dengan konteks socio-scientific issues pada materi zat aditif makanan untuk meningkatkan literasi sains siswa. *Jurnal Inovasi Pendidikan IPA*, 2(2), 156. <https://doi.org/10.21831/jipi.v2i2.8814>
- Rubini, B., Ardianto, D., Setyaningsih, S., & Sariningrum, A. (2019). Using Socio-scientific Issues in Problem Based Learning to Enhance Science Literacy. *Journal of Physics: Conference Series*, 1233(1), 8–12. <https://doi.org/10.1088/1742-6596/1233/1/012073>
- Sadler, T. D. (2011). *Situating Socio-scientific Issues in Classrooms as a Means of Achieving Goals of Science Education*. 1–9. https://doi.org/10.1007/978-94-007-1159-4_1
- Sadler, T. D., & Zeidler, D. L. (2004). The Morality of Socioscientific Issues: Construal and Resolution of Genetic Engineering Dilemmas. *Science Education*, 88(1), 4–27. <https://doi.org/10.1002/sce.10101>

- Sampson, V., & Walker, J. P. (2012). Argument-driven inquiry as a way to help undergraduate students write to learn by learning to write in chemistry. *International Journal of Science Education*. <https://doi.org/10.1080/09500693.2012.667581>
- Setiawati, E., & Novitasari, K. (2019). Penguanan Literasi Sosial Anak Usia Dini Pada Siswa Sekolah Paud Sejenis (Sps) Wortel Di Bantulkarang, Ringinharjo, Bantul, Kabupaten Bantul. *Jurnal Berdaya Mandiri*, 1(1), 35–48. <https://doi.org/10.31316/jbm.v1i1.237>
- Siti, A. (2016). *MODUL GURU PEMBELAJAR Profesional*.
- Sugiyono. (2013). *Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif, dan R&D*. Alfabeta.
- Sukiman. (2012). *Pengembangan Media Pembelajaran*. Pedagogia.
- Sulthan, M., & Istiyanto, S. B. (2019). Model Literasi Media Sosial Bagi Mahasiswa. *Jurnal ASPIKOM*, 3(6), 1076. <https://doi.org/10.24329/aspikom.v3i6.280>
- Sumandal, A. H. (2023). Development and Evaluation of Educational Games Using Lumi Education in General Biology 1 for STEM Students: Basis for Recommended Supplementary Teaching Materials. *American Journal of Education and Technology*, 1(4), 13–23. <https://doi.org/10.54536/ajet.v1i4.1089>
- Sureni, S., Suroso Mukti Leksono, & Lulu Tunjung Biru. (2023). Pengembangan Modul Elektronik (E-Modul) Berbasis Flip PDF Profesional pada Tema Pencemaran Lingkungan untuk Meningkatkan Literasi Sains Siswa SMP Kelas VII. *Jurnal Pendidikan Mipa*, 13(2), 350–357. <https://doi.org/10.37630/jpm.v13i2.944>
- Susilawati, W. O. (2021). Pengembangan E-Modul Pembelajaran Perkembangan Sosial Aud Berbasis Karakter Menggunakan Software Flipbook Maker. *Inspiratif Pendidikan*, 10(2), 1. <https://doi.org/10.24252/ip.v10i2.23519>
- Wagner, D. (2013). Literacy and UNESCO: Conceptual and Historical Perspectives. *New Directions for Adult and Continuing Education*, 2013(138), 19–27. <https://doi.org/10.1002/ace.20050>
- Widiari, L. E. R., Margunayasa, I. G., & Wibawa, I. M. C. (2023). Efektivitas E-Modul Berbasis RADEC untuk Meningkatkan Hasil Belajar IPAS Bab Wujud Zat dan Perubahannya. *Jurnal Imiah Pendidikan Dan Pembelajaran*, 7(1), 18–27. <https://doi.org/10.23887/jipp.v7i1.59281>

Winatha, K. R. (2018). Pengembangan E-modul Interaktif Berbasis Proyek Mata Pelajaran Simulasi Digital. *Jurnal Pendidikan Teknologi Dan Kejuruan*, 15(2), 188–199. <https://doi.org/10.23887/jptk-undiksha.v15i2.14021>

Zeidler, D. L. (2014). Socioscientific issues as a curriculum emphasis: Theory, research, and practice. ... of Research on Science Education, Volume II. <https://doi.org/10.4324/9780203097267-45>

Zeidler, D. L., & Kahn, S. (2014). *It's debatable!: Using socioscientific issues to develop scientific literacy K-12.* books.google.com. <https://books.google.com/books?hl=en%5C&lr=%5C&id=sQhsBgAAQBAJ%5C&oi=fnd%5C&pg=PR5%5C&dq=integrated+model+scientific+literacy%5C&ots=yRIHLl5bMO%5C&sig=qbjfDYonj4iFSz-hpy6Kmh8sEp8>

Zeidler, D., & Nichols, B. (2009). Socioscientific issues: Theory and practice. *Journal of Elementary Science Education*, 21, 49–58. <https://doi.org/10.1001/jama.1915.02580140037017>

