

DAFTAR PUSTAKA

- Agustina, T. W., N. Y. Rustaman, Riandi, and W. Purwianingsih. "The Learning of Aquaponics Practice in University." *Journal of Physics: Conference Series* 1013, no. 1 (2018): 3. <https://doi.org/10.1088/1742-6596/1013/1/012018>.
- Agustina, Tri Wahyu, Nuryani Y Rustaman, Riandi Riandi, and Widi Purwianingsih. "Pendekatan Stream (Science-Technology-Religion-Engineering-Arts-Mathematics) Membekalkan Kebiasaan Berpikir Mahasiswa." *Edusains* 12, no. 2 (2020): 283–96. <https://doi.org/10.15408/es.v12i2.17605>.
- Agustina, Tri Wahyu, Mar'atus Sholikhah, Asrianty Mas'ud, and Lia Amelia. "Creating Plant Anatomy Structure Model Using Science, Technology, Religion, Engineering, Arts, Mathematics (STREAM) Approach." *Islamic Research: The International Journal Of Islamic Civilization Studies* 5, no. 1 (2022): 24–33. <https://doi.org/10.47076/jkpi.v5i1.106>.
- Amrullah, A. 2016. Pengaruh Model Pembelajaran Problem Based Learning Terhadap Hasil Belajar Biologi Siswa Pada Konsep Fungi. Jakarta : Universitas Islam Negeri Syarif Hidayatullah.
- Anna Permanasari 2016. "STEM Education: Inovasi dalam Pembelajaran Sains," hlm 23-24, <https://jurnal.fkip.uns.ac.id/index.php/snps/article/view/9810>.
- Anugrah, I. R., & Kartimi. (2022). Local Wisdom-based Contextual Learning as Embedded-STEM approach in High School Chemistry. *IJIS Edu : Indonesian Journal of Integrated Science Education*, 4(1), 1–9.
- Azizah, Wulan Aulia, Sarwi, dan Ellianawati, Pendekatan STREAM Terhadap Peningkatan Kemampuan Berpikir Kritis Siswa Sekolah Dasar. *Seminar Nasional Pascasarjana*, 2019.
- Bybee, R.W. 2010. Advancing STEM Education: A 2020 Vision. *Technology and Engineering Teacher*, 70(1), 30-35.
- Campbell, Neil A dan Reece. Jane B. "Biologi Edisi 8 Jilid 1." Jakarta: Erlangga. 2010.
- Gormally, C., Brickman, P., & Lut, M. (2012). Developing a test of scientific literacy skills (TOSLS): Measuring undergraduates' evaluation of scientific information and arguments. *CBE Life Sciences Education*, 11(4), 364–377. <https://doi.org/10.1187/cbe.12-03-0026>
- Hadi, K. I. A. M. (2022). DESAIN DAN UJI COBA E-MODUL BERBASIS STREAM (SCIENCE, TECHNOLOGY, RELIGION, ENGINEERING, ART, AND MATHEMATICS)

PADA MATERI IKATAN KIMIA. *PROSIDING SEMINAR NASIONAL PENDIDIKAN KIMIA 2022*, 335.

- Hadi, K. (2019). *Kimia & islam*. Cahaya Firdaus.
- Irianto, Koes. *Anatomi dan Fisiologi Untuk Mahasiswa*. Bandung: CV Alfabeta. 2013.
- Irnaningtyas. 2013. *Biologi untuk SMA/ MA Kelas XI*. Jakarta: Erlangga
- Irwan, Andi Pratiwi, Usman, dan Bunga Dara Amin. “Analisis Kemampuan Literasi Sains Peserta Didik Ditinjau dari Kemampuan Menyelesaikan Soal Fisika di SMAN 2 Bulukumba”. *Jurnal Sains dan Pendidikan Fisika*, Vol. 15, No. 3 (Desember, 2019) : 17-24.
<https://doi.org/10.35580./jspf.v15i3.13494>
- Jolly, Anne, *STEM by Design. Strategies and Activities for Grades 4 – 8*. New York: Routledge, 2017.
- Kemertrian Pendidikan dan Kebudayaan, Peraturan Menteri Pendidikan dan Kebudayaan Nomor 36 Tahun 2018 Tentang Kurikulum 2013 Sekolah Menengah Atas/Madrasah Aliyah, *Permendikbud*, 2018.
- Kemendikbud. “Materi Pendukung Literasi Sains”. Jakarta : Gerakan Literasi Nasional. 2017.
<https://gln.kemdikbud.go.id/glnsite/buku-literasi-sains/>
- National Research Council (NRC). (1996). *National Science Education Standards*. Washington DC: National Academy Press.
- Noor, F. M. (2020). Memperkenalkan Literasi Sains Kepada Peserta Didik: Perspektif Calon Guru PIAUD. *ThufuLA: Jurnal Inovasi Pendidikan Guru Raudhatul Athfal*, 8(1), 056.
<https://doi.org/10.21043/thufula.v8i1.7066>
- OECD. (2017). *PISA 2015 Assessment and Analytical Framework: Science, Reading, Mathematic, Financial Literacy and Collaborative Problem Solving, Revised Edition*. Paris: PISA, OECD Publishing.
- OECD. (2019a). *PISA 2018 Assessment and Analytical Framework*.
<https://doi.org/https://doi.org/10.1787/b25efab8-en>.
- OECD. (2019b). *PISA 2018 Results. Combined Executive Summaries. Journal of Chemical Information and Modeling*, 53(9), 1689–1699.
www.oecd.org/about/publishing/corrigenda.htm.
- OECD. (2023). *PISA 2022 Results The State of Learning and Equity in Education Vol. 1*. Paris: OECD Publishing

- Puslitjak.kemdikbud, “Meningkatkan Kemampuan Literasi Dasar Siswa Indonesia Berdasarkan Analisis Data PISA 2018”, *Jurnal Puslitjakdikbud*, No. 2 (2021).
- Pratiwi, S. N., Cari, C., & Aminah, N. S. (2019). Pembelajaran IPA Abad 21 dengan Literasi Sains Siswa. *Jurnal Materi Dan Pembelajaran Fisika*, 9, 34–42.
- Rahmawati, D., Rusilowati, A., & Hardyanto, W. (2021). The Effect of Practicum Activities on Improving Data Literacy for High School Students. *Physics Communication*, 5(1), 12–17. <https://doi.org/10.15294/physcomm.v5i1.34635>
- Rahmawati, Y., *et al.*, Developing Critical and Creative Thinking Skills through STEAM Integration in Chemistry Learning, *Journal of Physics: Conference Series*, 1156.1, 2019
- Riduwan. (2011). *Skala Pengukuran Variabel-Variabel Penelitian*. Alfabeta.
- Schleicher. (2018). *PISA 2018 Insight and Interpretations*. OECD
- Sugiyono, *Metode Penelitian Pendidikan. Pendekatan Kuantitatif, Kualitatif, dan R&D*. Bandung: Alfabeta, 2017.
- Sukmana, R. W. 2017. Pendekatan Science, Technology, Engineering And Mathematics (Stem) Sebagai Alternatif Dalam Mengembangkan Minat Belajar Peserta Didik Sekolah Dasar. *Jurnal Ilmiah Pendidikan Dasar 2 (2)* : 191 – 199.
- Syukri, Muhammad, *et al.*, The Impact of Engineering Design Process in Teaching and Learning to Enhance Students’ Science Problem-Solving Skills, *Jurnal Pendidikan IPA Indonesia*, vol. 7 no. 1, 2018.
- Toharudin, U., Hendrawati, S., & Rustaman, H. A. (2011). *Membangun Literasi Sains Peserta Didik*. Bandung: Humaniora.
- Tohir, M., & Ibrahimy, U. (2020). *Hasil PISA Indonesia Tahun 2018 Turun Dibanding Tahun 2015*. (January), 10–12. <https://doi.org/10.17605/OSF.IO/8Q9VY>
- Trianto. 2010. *Model Pembelajaran Terpadu*. Jakarta: Erlangga
- Widya Sukmana, R. (2018). Pendekatan Science, Technology, Engineering and Mathematics (Stem) Sebagai Alternatif Dalam Mengembangkan Minat Belajar Peserta Didik Sekolah Dasar. *Pendas: Jurnal Ilmiah Pendidikan Dasar*, 2(2), 189. <https://doi.org/10.23969/jp.v2i2.798>
- Yuliati, Y. (2017). Literasi Sains dalam Pembelajaran IPA. *Jurnal Cakrawala Pendas*, 3(2), 21–28. Retrieved from. <http://jurnal.unma.ac.id/index.php/CP/article/download/592/565>