

BIBLIOGRAPHY

- Almunawaroh, N. F. (2020). The Effectiveness of Using An E-Book In Elt: Worldwide Cases. *Journal of Teaching & Learning English in Multicultural Contexts (TLEMC)*, 4(2), 68-74.
- Alsahhi, N. R., Qatawneh, S., Eltahir, M., Althunibat, F., & Aljarrah, K. (2020). The Role of Academic Electronic Books in Undergraduate Students' Achievement In Higher Education. *Heliyon*, 6(11), 1-12.
- Andaresta, N., & Rachmadiarti, F. (2021). Development of STEM-Based E-Books on Ecosystem Materials to Train Students' Science Literacy Skills. *BioEdu: Berkala Ilmiah Pendidikan Biologi*, 10(2), 635-646.
- Ardan, A. S. (2016). The Development of Biology Teaching Material Based on the Local Wisdom of Timorese to Improve Students Knowledge and Attitude of Environment In Caring the Persevation of Environment. *International Journal of Higher Education*, 5(3), 190-200.
- Ardiyanti, Y., Suyanto, S., & Suryadarma, I. G. P. (2018). The Role of Students Science Literacy in Indonesia. *Journal of Physics: Conference Series*, 1321, 1-6.
- Arsanti, M. (2018). Pengembangan Bahan Ajar Mata Kuliah Penulisan Kreatif Bermuatan Nilai-Nilai Pendidikan Karakter Religius Bagi Mahasiswa Prodi PBSI, FKIP, Unissula. *Jurnal Kredo*, 1(2), 71-90.
- Astuti, N. R. W., & Dewi, D. A. (2021). Pentingnya Implementasi Nilai-Nilai Pancasila dalam Menghadapi Perkembangan IPTEK. *EduPsyCouns Journal: Journal of Education, Psychology and Counseling*, 3(1), 41-49.
- Aswirna, P., Kiswanda, V., Nurhasnah., & Fahmi, R. (2022). Implementation of STEM E-Module with SDGs Principle to Improve Science Literacy and Environment-friendly Attitudes in Terms of Gender. *JTK: Jurnal Tadris Kimia*, 7(1), 64-77.
- Aswirna, P., & Ritonga, A. M. (2020). Development of Discovery Learning-Based E-Book Teaching Based on Kvisoft Flipbook Maker on Science Literation in MAN 2 Padang Pariam. *Jurnal Hunafa: Studi Islamika*, 17(2), 47-75.
- Aulya, R. A., Asyhar, R., & Yusnaidar. (2021). Development of The Chemistry E-Module Based on Project Based Learning Method and STEM Approach for Online Class on Buffer Solution Lessons. *Journal of The Indonesian Society of Integrated Chemistry*, 13(2), 84-91.
- Azalia, I., Sudarmin., & Wisnuadi, A. (2020). The Effects of Ethnoscience Integrated STEM E-Book Application on Student's Science Generic Skills in Chemical Equilibrium Topic. *International Journal of Active Learning*, 5(1), 19-25.

- Bakri, F., Putri, A. S. T., & Indrasari, W. (2021). Pocket Book Based on Android: Physics Learning Practice Media in the 21st Century. *AIP Conference Proceedings*, 2320, 1-7.
- Basrowi, R. W., & Chairunita. (2018). *Pentingnya Kesehatan Pencernaan*. Depok: Universitas Indonesia Press.
- Berrocso, J. V., Sa´nchez, M. R., Dominguez, F. I., & Di´az, M. J. (2021). The Educational Integration of Digital Technologies Precovid-19: Lessons For Teacher Education. *PLOS ONE: Digital Education and Teacher Education*, 16(8), 1-22.
- Betts, J. G., Wise, J., Young, K. A., Desaix, P., & Johnson, E. (2017). *Anatomy and Physiology*. Texas: OpenStax College, Rice University.
- Branch, R. M. (2009). *Instructional Design: The ADDIE Approach*. USA Springer.
- Bruton, R. (2017). *STEM Education Policy Statement 2017-2026*. Irlandia: Department Education and Skill.
- Casselden, B., & Pears, R. (2020). Higher Education Student Pathways to Ebook Usage and Engagement, and Understanding: Highways and Cul De Sacs. *Journal of Librarianship and Information Science*, 52(2), 1-19.
- Comer, D. E. (2019). *The Internet Book: Everything You Need to Know about Computer Networking and How the Internet Works Fifth Edition*. Boca Raton: CRC Press.
- Costa, M. C., Domingos, A. M. D., Teodoro, V. D., & Vinhas, E. M, R. G. (2020). Teacher Professional Development in STEM Education: An Integrated Approach with Real-World Scenarios in Portugal, *Mathematics*, 10(3944), 1-21.
- Davidi, E. I. N., Sennen, E., & Supardi, K. (2021). Integrasi Pendekatan STEM (Science, Technology, Enggeenering and Mathematic) Untuk Peningkatan Keterampilan Berpikir Kritis Siswa Sekolah Dasar. *Scholaria: Jurnal Pendidikan dan Kebudayaan*, 11(1), 11-22.
- Dewi, K., Sumarmi., & Putra, A. K. (2021). Pengembangan Bahan Ajar Digital Berbasis STEM dengan Pendekatan Eco-Spatial Behavior Materi Kependudukan. *J-PIPS: Jurnal Pendidikan Ilmu Pengetahuan Sosial*, 7(2), 92-102.
- Dewi, R. S., & Syahputri, D. (2020). Development of Teaching Materials Drama for Web-Based to Improve the Students' Skill for Digital Literacy and English Language for Students at FKIP UMSU. *Budapest International Research and Critics Institute-Journal*, 3(4), 2750-2758.

- Durasa, H., Sudiatmika, A. A. I. R., & Subagia, I. W. (2022). Analisis Kemampuan Literasi Sains SMP Pada Materi Pemanasan Global. *Jurnal Penelitian dan Evaluasi Pendidikan*, 12(1), 51-63.
- Fahrizandi. (2020). Pemanfaatan Teknologi Informasi di Perpustakaan. *Tik Ilmieu: Jurnal Ilmu Perpustakaan dan Informasi*, 4(1), 63-75.
- Fakhriyah, F., Masfuah, S., Roysa, M., Rusilowati, A., & Rahayu, E. S. (2017). Student's Science Literacy in the Aspect of Content Science. *Jurnal Pendidikan IPA Indonesia*, 6(1), 81-87.
- Farhana, F., Suryadi, A., & Wicaksono, D. (2021). Pengembangan Bahan Ajar Berbasis Digital Pada Mata Pelajaran Bahasa Inggris di SMK Atlantis Plus Depok. *Jurnal Instruksional*, 3(1), 1-17.
- Farwati, R., Metafisika, K., Sari, I., Sitingjak, D. S., Solikha, D. F., & Solfarina, S. (2021). STEM Education Implementation in Indonesia: A Scoping Review. *International Journal of STEM Education for Sustainability*, 1(1), 11-32.
- Fausan, M. M., Susilo, H., Gofur, A., Sueb., & Yusop, F. D. (2021). The Scientific Literacy Performance of Gifted Young Scientist Candidates in The Digital Age. *Cakrawala Pendidikan*, 40(2), 467-479.
- Febrianti, F. A. (2021). Pengembangan Digital Book Berbasis Flip PDF Professional untuk Meningkatkan Kemampuan Literasi Sains Siswa. *Caruban: Jurnal Ilmiah Pendidikan Dasar*, 4(2), 102-115.
- Firdausy, B. A., & Prasetyo, Z. K. (2020). Improving Scientific Literacy Through an Interactive E-book: A Literature Review. *Journal of Physics: Conference Series*, 1440(1), 1-7.
- Fomunyan, K. G. (2020). *Theorizing STEM Education in the 21st Century*. South Africa: IntechOpen.
- Gok, T. (2021). The Development of the STEM (Science, Technology, Engineering, and Mathematics) Attitude and Motivation Survey Towards Secondary School Students. *International Journal of Cognitive Research in Science, Engineering and Education (IJCRSEE)*, 9(1), 105-119.
- Gu, X., Wang, C., & Lin, L. (2019). Examining Scientific Literacy Through New Media. *EURASIA: Journal of Mathematics, Science and Technology Education*, 15(12), 1-14.
- Handayani, T., Winarni, E. W., & Koto, I. (2021). Pengembangan Media Komik Digital Berbasis STEM dalam Meningkatkan Kemampuan Literasi Sains Siswa Sekolah Dasar. *JP3D (Jurnal Pembelajaran dan Pengajaran Pendidikan Dasar)*, 4(1), 22-29.

- Harahap, F., & Ristiono. (2019). Identification of Misconceptions on Material of Food Digestive System in Humans Using Two Tier Multiple Choice Diagnostic Tests at SMPN 15 Padang. *Atrium Pendidikan Biologi*, 4(1), 84-94.
- Harahap, N. J., & Rafika, M. (2020). Industrial Revolution 4.0: and the Impact on Human Resources. *Jurnal Ecobisma*, 7(1), 89-96.
- Harlina., Ramlawati., & Rusli, M. A. (2020). Deskripsi Kemampuan Literasi Sains Peserta Didik Kelas IX di SMPN 3 Makassar. *JIT: Jurnal IPA Terpadu*, 3(2), 96-107.
- Hermawati, A., Suhermin., Anisah, H. U., Sambung, R. (2021). Industrial Revolution 4.0: What Should be Prepared for the Next Stage? *Jurnal Inovasi Ekonomi*, 06(01), 25-32.
- Hidayah, N., Rusilowati, A., & Masturi. (2019). Analisis Profil Kemampuan Literasi Sains Siswa di Kabupaten Pati. *Jurnal Phenomenon*, 09(1), 36-47.
- Hikmawati, A., Pursitasari, I. D., Ardianto, D., & Kurniasih, S. (2020). Development of Digital Teaching Materials on Earthquake Themes to Improve STEM Literacy. *Journal of Physics: Conference Series*, 1521, 1-9.
- Huang, B., Jong, M, S. Y., Tu, Y. F., Hwang, G. J., Chai, C. S., & Jiang, M. Y. C. (2022). Trends and Exemplary Practices of STEM Teacher Professional Development Programs In K-12 Contexts: A Systematic Review of Empirical Studies. *Computers & Education*, 189, 1-24.
- Huda, M. (2021). *Menulis Buku Digital Modern*. Bandung: Bitread Publishing.
- Ingram, N. B. (2020). The Use of E-books, Computers, and Tablets to Enhance Reading Skills. *Doctor of Education in Teacher Leadership Dissertations*, 41, 1-128.
- Irwan, A. P., Usman., & Amin, B. D. (2019). Analisis Kemampuan Literasi Sains Peserta Didik Ditinjau Dari Kemampuan Menyelesaikan Soal Fisika Di SMAN 2 Bulukumba. *Jurnal Sains dan Pendidikan Fisika (JSPF)*, 15(3), 17-24.
- Istiqomah, H., Badrani, M. J. H. (2020). Characteristics of Teaching Materials for Arabic Reading Skill with Inductive Approach. *Izdiyar: Journal of Arabic Language Teaching, Linguistics, and Literature*, 3(2), 95-112.
- Jufri, W. A. (2017). *Belajar dan Pembelajaran Sains (Modal Dasar Menjadi Guru Profesional)*. Bandung: Pustaka Reka Cipta.
- Jufrida., Basuki, F. R., Kurniawan, W., & Pangestu, M. D. (2019). Scientific Literacy and Science Learning Achievement at Junior High School.

- International Journal of Evaluation and Research in Education (IJERE)*, 8(4), 630-636.
- Kania, N., Santoso, E., & Suciwati, V. (2020). Pelatihan Bahan Ajar Dengan Pendekatan Science, Technology, Engineering and Mathematics untuk Guru Matematika di Kecamatan Palasah. *BERNAS: Jurnal Pengabdian Kepada Masyarakat*, 1(2), 67-75.
- Kaplar, M., Radovic, S., Veljkovic, K., Muller, K. S., & Maric, M. (2021). The Influence of Interactive Learning Materials on Solving Tasks That Require Different Types of Mathematical Reasoning. *International Journal of Science and Mathematics Education*, 20, 411-433.
- Kosasih, E. (2021). *Pengembangan Bahan Ajar*. Jakarta: Bumi Aksara.
- Kristiyowati, R., & Purwanto, A. (2019). Pembelajaran Literasi Sains Melalui Pemanfaatan Lingkungan. *Scholaria: Jurnal Pendidikan dan Kebudayaan*, 9(2), 183-191.
- Kurniawati, M. W., Anitah, S., & Suharno. (2017). Developing Learning Science Teaching Materials Based on Scientific to Improve Students Learning Outcomes In Elementary School. *European Journal of Education Studies*, 3(4), 319-330.
- Kurniawati, T. D., Akhdinirwanti, R. W., & Fatmaryanti, S. D. (2021). Pengembangan E-Modul Menggunakan Aplikasi 3D PageFlip Professional Untuk Meningkatkan Kemampuan Literasi Sains Peserta Didik. *Jurnal Inovasi Pendidikan Sains (JIPS)*, 2(1), 32-41.
- Lilis., Ruhiat, R., & Djumena, I. (2019). The Development of Digital Teaching Materials in Electrical and Electronic Basic Learning Class X. *Jurnal Teknologi dan Pembelajaran*, 6(2), 156-168.
- Listiana., Abdurrahman., Suyatna, A., & Nuangchalerm, P. (2019). The Effect of Newtonian Dynamics STEM-Integrated Learning Strategy to Increase Scientific Literacy of Senior High School Students. *Jurnal Ilmiah Pendidikan Al-BiRuNi*, 08(1), 43-52.
- Lubis, I. G., Adisaputera, A., & Dewi, R. (2020). Development of Teaching Materials Based on People's Stories Assisted In the Graphics of 5th Grade Students Primary School Muhammadiyah 01 Kota Binjai. *Budapest International Research and Critics in Linguistics and Education (BirLE) Journal*, 3(2), 1083-1093.
- Macdonald, A., Danaia, L., & Murphy, S. (2020). *STEM Education Across the Learning Continuum: Early Childhood to Senior Secondary*. Singapore: Springer.

- Magdalena, I., Sundari, T., Nurkamilah, S., Nasrullah., & Amalia, D. A. (2020). Analisis Bahan Ajar. *Nusantara: Jurnal Pendidikan dan Ilmu Sosial*, 2(2), 311-326.
- Margot, K. C., & Kettler, T. (2019). Teachers' Perception of STEM Integration and Education: A Systematic Literature Review. *International Journal of STEM Education*, 6(2), 1-16.
- Mijaya, N. P. A. P., Sudiatmika, A. A. I. A. R., & Selamat, R. (2019). Profil Literasi Sains Siswa SMP Melalui Model Pembelajaran Levels of Inquiry. *JPPSI: Jurnal Pendidikan dan Pembelajaran Sains Indonesia*, 2(2), 161-171.
- 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), 220-237.
- Milaturrahmah, N., Mardiyana., & Pramudya, I. (2017). Science, Technology, Engineering, Mathematics (STEM) As Mathematics Learning Approach In 21st Century. *The 4th International Conference on Research, Implementation, and Education of Mathematics and Science (4th ICRIEMS)*, 186(1), 1-6.
- Munawaroh., Ibda, H., & Wijanarko, A. G. Improving Science Literacy and Learning Outcomes for Class V Students of Madrasah Ibtidaiyah Through the One Student One Video Program. *ASNA: Jurnal Kependidikan Islam dan Keagamaan*, 4(1), 27-35.
- Mpofu, V. (2020). *A Theoretical Framework for Implementing STEM Education: Theorizing STEM Education in the 21st Century*. Durban University of Technology: IntechOpen.
- Niam, M. A., & Asikin, M. (2021). Pentingnya Aspek STEM dalam Bahan Ajar Terhadap Pembelajaran Matematika. *PRISMA: Prosiding Seminar Nasional Matematika*, 329-335.
- Ningsih, W., Arwita, W., Hadinata, A., & Purwanto, E. (2022). Creating Interactive E-Book Based on Project with Tutorial Video. *The 4th International Conference on Innovation in Education, Science and Culture (ICIESC)*, 1-8.
- Novaristiana, R., Rinanto, Y., & Ramli, M. (2019). Scientific Literacy Profile In Biological Science Of High School Students. *JPBI (Jurnal Pendidikan Biologi Indonesia)*, 5(1), 9-16.
- Novili, W. I., Utari, S., Saepuzaman, D., & Karim, S. (2017). Penerapan Scientific Approach dalam Upaya Melatihkan Literasi Sainifik dalam Domain Kompetensi dan Domain Pengetahuan Siswa SMP pada Topik Kalor. *Jurnal Penelitian Pembelajaran Fisika*, 8(1), 57-63.

- Nugrahanto, S., & Zuchdi, D. (2018). Indonesia PISA Result and Impact on The Reading Learning Program in Indonesia. *Advances in Social Science, Education and Humanities Research*, 297(1), 373-377.
- Nupura, M. S., Mursalin, M., & Arbie, A. (2021). Pengaruh Whatsapp Berbasis Google Classroom dan Google Meet dengan Implementasi Model Inquiry Learning dalam Pembelajaran Fisika Terhadap Hasil Belajar Siswa. *Jambura Physics Journal*, 3(1), 64–72.
- Nurmalina. (2020). *Literasi Media dalam Bahasa dan Sastra*. Yogyakarta: CV Bintang Pustaka Madani.
- OECD. (2013). *PISA 2012 Results in Focus*. Paris: OECD Publishing.
- OECD. (2016). *PISA 2015 Results in Focus*. Paris: OECD Publishing.
- OECD. (2017). *PISA for Development Assessment and Analytical Framework: Reading, Mathematics and Science, Preliminary Version*. Paris: OECD Publishing.
- OECD. (2018). *PISA 2015 Draft Frameworks*. Paris: OECD Publishing.
- OECD. (2019). *PISA 2018 Assessment and Analytical Framework*. Paris: OECD Publishing.
- OECD. (2019). *PISA 2018 Results in Focus*. Paris: OECD Publishing.
- Oktavia, R. (2019). Bahan Ajar Berbasis Science, Technology, Engineering, Mathematics (STEM) untuk Mendukung Pembelajaran IPA Terpadu. *Semesta: Journal of Science Education and Teaching*, 2(1), 32-36.
- Ozturk, B. K. (2021). Digital Reading and the Concept of Ebook: Metaphorical Analysis of Preservice Teachers' Perceptions Regarding the Concept of Ebook. *SAGE Open*, 11(2), 1-12.
- Palastanga, N., & Soames, R. (2012). *Anatomy and Human Movement Structure and Function Sixth Edition*. Edinburgh: Elsevier Ltd.
- Panggabean, N. H., & Danis, A. (2020). *Desain Pengembangan Bahan Ajar Berbasis Sains*. Medan: Yayasan Kita Menulis.
- Park, W., Wu, J. Y., & Erduran, S. (2020). The Nature of STEM Disciplines in the Science Education Standards Documents from the USA, Korea and Taiwan. *Science & Education*, 29, 899-927.
- Parmin & Sajidan. (2019). The Application of STEM Education in Science Learning at Schools in Industrial Areas. *Journal of Turkish Science Education*, 16(2), 278-289.
- Possatti, G. M., Silva, R. P., & Perry, G. T. (2018). Guidelines for Ebook Design. *Brazilian Journal of Information Design*, 15(2), 197-213.

- Prabawati, P. L. S., & Agustika, G. N. S. (2020). Project-Based Learning Based on STEM (Science, Technology, Engineering, and Mathematics) Enhancing Students Science Knowledge Competence. *Jurnal Ilmiah Sekolah Dasar*, 4(4), 621-629.
- Pradini, N. L., Wijaya, B. R., & Jannah, A. N. (2022). Analisis Literasi Sains dalam Upaya Implementasi Pendidikan Abad 21. *Eductum: Jurnal Literasi Pendidikan*, 1(1), 12-20.
- Prasetyo, D., Marianti, A., & Alimah, S. (2021). Improvement of Students' Science Literacy Skills Using STEM-Based E-Modules. *JISE: Journal of Innovative Science Education*, 10(2), 216-221.
- Pratiwi, R. S., & Rachmadiarti, F. (2022). Development E-book Based on Science, Technology, Engineering, and Mathematics (STEM) Materials of Plant Growth and Development to Train Science Literacy Skills. *Bioedu: Berkala Ilmiah Pendidikan Biologi*, 11(1), 165-178.
- Pratiwi, S. N., Cari, C., & Aminah, N. S. (2019). Pembelajaran IPA Abad 21 dengan Literasi Sains Siswa. *Jurnal Materi dan Pembelajaran Fisika (JMPPF)*, 9(1), 34-42.
- Purwani, L. D., Sudargo, F., & Surakusumah, W. (2018). Analysis of Student's Scientific Literacy Skills Through Socio Scientific Issue's Test on Biodiversity Topics. *Journal of Physics: Conf. Series*, 1013(1), 1-4.
- Pusmendik. (2022). *Rapor Pendidikan Publik Tahun 2022*. Jakarta: Kemendikbudristek.
- Putri, M. D. (2021). Identifikasi Kemampuan Literasi Sains Siswa di SMP Negeri 2 Pematang Tiga Bengkulu Tengah. *Gravitasi: Jurnal Pendidikan Fisika dan Sains*, 4(1), 9-17.
- Putri, Y. I. A., Sumarmi., Putra, A. K., & Soekamto, H. (2022). Pengembangan Bahan Ajar Digital Berbasis STEM Pada Materi Sumber dan Analisis Data Kependudukan. *Jurnal Integrasi dan Harmoni Inovatif Ilmu-Ilmu Sosial*, 2(1), 31-41.
- Qizi, M. Z. A., & Kobiljanovna, S. M. (2021). The Significance of Teaching Independent Learning and Its Benefits for Students. *JournalNX – A Multidiciplinary Peer Reviewed Journal*, 7(3), 354-35.
- Rahmani, R., Mustadi, A., Maulidar, M., & Senen, A. (2021). The Development of Teaching Materials Based on Context and Creativity to Increase Students Scientific Literacy. *Jurnal Ilmiah Peuradeun*, 9(2), 345-364.
- Rahmayanti, S. P., Andayani, Y., & Idrus, S. W. A. (2021). Study of Science Literacy Capabilities on Chemical Education Students Related to Etnoscience Bau Nyale. *J. Pijar MIPA*, 16(3), 326-332.

- Rastuti, M., & Prahmana, R. C. I. (2021). The Programme for International Student Assessment Research in Indonesia. *Jurnal Elemen*, 7(2), 232-253.
- Rini, C. P., Hartantri, S. D., Amaliyah, A. (2021). Analisis Kemampuan Literasi Sains Pada Aspek Kompetensi Mahasiswa Program Studi PGSD FKIP Universitas Muhammadiyah Tangerang. *JPDN: Jurnal Pendidikan Dasar Nusantara*, 6(2), 166-179.
- Rosidi, I. (2021). Profil Literasi Sains Aspek Kompetensi Siswa Pondok Pesantren di Masa Pandemi Dengan Menggunakan Penilaian Berbasis Digital. *Jurnal Natural Science Educational Research*, 4(1), 1-9.
- Rusby, Z., Hayati, N., & Cahyadi, I. (2017). Upaya Guru Mengembangkan Media Visual dalam Proses Pembelajaran Fiqih di MAN Kuok Bangkinang Kabupaten Kampar. *Jurnal Al-hikmah*, 14(1), 18-37.
- Rusyati., Permanasari, A., & Ardianto, D. (2019). Rekonstruksi Bahan Ajar Berbasis STEM Untuk Meningkatkan Literasi Sains dan Teknologi Siswa Pada Konsep Kemagnetan. *Journal of Science Education and Practice*, 2(2), 10-22.
- Safrina, A. (2021). *Analisis Prinsip-prinsip Pengembangan Bahan Ajar Guru Ekonomi di Sekolah Menengah Atas Negeri 1 Bangkinang Kota Kabupaten Kampar*. Pekanbaru: FITK UIN Sultan Syarif Kasim Riau.
- Salamah, P. N., Rusilowati, A., & Sarwi. (2017). Pengembangan Alat Evaluasi Materi Tata Surya untuk Mengukur Kemampuan Literasi Sains Siswa SMP. *Unnes Physics Education Journal*, 6(3), 7-16.
- Santhalia, P. W., & Yuliati, L. (2021). An Exploration of Scientific Literacy on Physics Subjects within Phenomenon-based Experiential Learning. *Jurnal Penelitian Fisika dan Aplikasinya (JPFA)*, 11(1), 72-82.
- Santoso, T. N. B., Siswandari., & Sawiji, H. (2018). The Effectiveness of Ebook Versus Printed Books in The Rural Schools in Indonesia at The Modern Learning Era. *International Journal of Educational Research Review*, 3(4), 77-84.
- Sarac, H. (2018). The Effect of Science, Technology, Engineering and Mathematics-Stem Educational Practices on Students' Learning Outcomes: A Meta-Analysis Study. *TOJET: The Turkish Online Journal of Educational Technology*, 17(2), 125-142.
- Saraswati, Y., Indana, S., & Sudiby, E. (2021). Flipped Classroom to Find and Research Journals as Well as Improving Scientific Literacy of Junior High School. *JPSS (Jurnal Penelitian Pendidikan Sains)*. 10(02), 1960-1967.
- Sari, M., Devinda., & Violita. (2019). Analysis of Science Literacy Abilities of Class VIII Junior High School Students in Padang. *International Journal of Progressive Sciences and Technologies (IJPSAT)*, 15(1), 196-203.

- Sensoy, I. (2021). A Review on The Food Digestion In The Digestive Tract and The Used in Vitro Models. *Current Research in Food Science*, 4(2), 308-319.
- Sholikah, L., & Pertiwi, F. N. (2021). Analysis of Science Literacy Ability of Junior High School Students Based on Programme for International Student Assessment (PISA). *Insecta: Integrative Science Education and Teaching Activity Journal*, 2(1), 95-104.
- Sianturi, A. S. R., Retnoningsih, A., & Ridlo, S. (2021). Development of Interactive E-Book of Ferns Materials Through a Scientific Approach with HOTS Problems to Improve Student Learning Outcomes. *JISE: Journal of Innovative Science Education*, 10(3), 230-236.
- Sinaga, R. A., Silitonga, M., & Restuati, M. (2019). Analysis of Student Learning Difficulties in the Material of Digestive Systems in Sibolga City High Schools. *International Journal of Humanities Social Sciences and Education (IJHSSE)*, 6(5), 83-89.
- Sole, F. B. (2021). Implementation of STEM-Based Learning for Strengthening Science Literacy of Students. *Journal of Research in Science Education*, 7(Special Issue), 381-388.
- Stehle, S. M., & Burton, E. E. P. (2019). Developing Student 21st Century Skills in Selected Exemplary Inclusive STEM High Schools. *International Journal of STEM Education*, 6(39), 1-15.
- Sugiyono. (2019). *Metode Penelitian Pendidikan: Kuantitatif, Kualitatif, Kombinasi, R&D, dan Penelitian Pendidikan*. Bandung: Alfabeta.
- Sutiani, A., Darmana, A., & Panggabean, F. T. M. (2020). The Development of Teaching Material Based on Science Literacy In Thermochemical Topic. *IOP Conf. Series: Journal of Physics: Conf. Series*, 1462, 1-6.
- Sutrisna, N., & Anhar, A. (2019). Analysis of Scientific Literacy Capabilities of Senior High School Students in Sungai Penuh Based on Science Competences. *IJPSAT: International Journal of Progressive Sciences and Technologies*, 15(1), 314-317.
- Suwarna, I. P. (2016). *Pengembangan Instrumen Ujian Komprehensif Mahasiswa Melalui CBT pada Program Studi Pendidikan Fisika*. Jakarta: UIN Jakarta.
- Syofyan, H., & Amir, L. T. (2021). Penerapan Literasi Sains Dalam Pembelajaran IPA Untuk Calon Guru SD. *JPD: Jurnal Pendidikan Dasar*, 10(2), 35-43.
- Taufaliyati, T., Achmadi, H. R., & Suprpto, N. (2020). Validitas E-Book dan Perangkat Pembelajaran Fisika Berbasis Literasi Sains Pada Materi Suhu dan Kalor. *IPF: Inovasi Pendidikan Fisika*, 09(03), 332-341.

- Tortora, G. J., & Derrickson, B. (2014). *Principles of Anatomy & Physiology 14th Edition*. USA: John Wiley & Sons, Inc.
- Wati, K. R. L., Distrik, I. W., Nyeneng, I. D. P., & Abdurrahman. (2020). Development Of Interactive Multimedia On Kirchhoff's Law Using Adobe Flash Cs6. *Gravity: Jurnal Ilmiah Penelitian dan Pembelajaran Fisika*, 6(2), 83-90.
- Waugh, A., & Grant, A. (2014). *Ross and Wilson Anatomy & Physiology in Health and Illness 12th Edition*. Edinburgh: Elsevier Ltd.
- Widayoko, A., Latifah, E., & Yuliati, L. (2018). Peningkatan Kompetensi Literasi Sainifik Siswa SMA dengan Bahan Ajar Terintegrasi STEM Pada Materi Impuls dan Momentum. *Jurnal Pendidikan: Teori, Penelitian, dan Pengembangan*, 3(11), 1463-1467.
- Widodo, C. S., & Jasmadi. (2008). *Panduan Penyusunan Bahan Ajar Berbasis Kompetensi*. Jakarta: Kompas Gramedia.
- Wiyanto., & Bachtiar, A. H. (2020). Urgensi Pendekatan Kreatif Partisipatori Dalam Pengembangan Bahan Ajar. *Jurnal Prosiding Senantinas*, 1(1), 192.
- Xu, M., David, J. M., & Kim, S. H. (2018). The Fourth Industrial Revolution: Opportunities and Challenges. *International Journal of Financial Research*, 9(2), 90-95.
- Yuberti., Komikesari, H., & Lubis, M. (2022). Developing STEM-Based Interactive E-Books to Improve Students' Science Literacy. *Tadris: Jurnal Keguruan dan Ilmu Tarbiyah*, 7(1), 177-188.
- Yuliati, Y. (2017). Literasi Sains dalam Pembelajaran IPA. *Jurnal Cakrawala Pendas*, 3(2), 21-28.
- Zahro, U. R., Sumarni, W., & Linuwih, S. (2021). The Development of Test Instruments to Measure the Science Literation Skills of Junior High School Students in Global Warming Themes. *Journal of Innovative Science Education*, 10(1), 17-27.
- Zhong, B., Liu, X., Xia, L., & Sun, W. (2022). A Proposed Taxonomy of Teaching Models in STEM Education: Robotics as an Example. *SAGE Open*, 12(2), 1-15.
- Zubaidah, S., Mahanal, S., Yuliati, L., Dasna, I. W., Pangestuti, A. A., Puspitasari, D. R., Mahfudhillah, H. T., Robitah, A., Kurniawati, Z. L., Rosyida, F., & Sholilah, M. (2017). *Ilmu Pengetahuan Alam Kelas VIII Semester Ganjil Edisi Revisi 2017*. Jakarta: Kementerian Pendidikan dan Kebudayaan.