

DAFTAR PUSTAKA

- Abidin, Y., Mulyati, T., & Yunansah, H. (2021). *Pembelajaran Literasi: Strategi Meningkatkan Kemampuan Literasi Matematika, Sains, Membaca, dan Menulis*. Bumi Aksara.
- Ajlouni, A. O., & Jaradat, S. (2021). The Effect of Integrating an Educational Robot with Hypermedia on Students' Acquisition of Scientific Concepts: The Case of Fifth-Grade Students. *International Journal of Interactive Mobile Technologies*, 15(11), 113–132. <https://doi.org/10.3991/ijim.v15i11.18537>
- Ajlouni, A. O., & Jaradat, S. A. (2020a). The effect of pedagogical hypermedia on acquisition of scientific concepts among primary school students. *International Journal of Education and Practice*, 8(3), 615–624. <https://doi.org/10.18488/journal.61.2020.83.615.624>
- Ajlouni, A. O., & Jaradat, S. A. (2020b). The effect of pedagogical hypermedia on acquisition of scientific concepts among primary school students. *International Journal of Education and Practice*, 8(3), 615–624. <https://doi.org/10.18488/journal.61.2020.83.615.624>
- Amin, B. D., Haris, A., & Swandi, A. (2019a). Implementation of Physics Learning Based on Hypermedia To Enhance Student'S Problem Solving Skill. *International Journal of Teaching & Education*, VII(2), 1–11. <https://doi.org/10.20472/te.2019.7.2.001>
- Amin, B. D., Haris, A., & Swandi, A. (2019b). Implementation of Physics Learning Based on Hypermedia To Enhance Student'S Problem Solving Skill. *International Journal of Teaching & Education*, VII(2), 1–11. <https://doi.org/10.20472/te.2019.7.2.001>
- Amiruddin, Irfan, A. M., & Baharuddin, F. R. (2018). *Pengembangan Model Pendidikan Sistem Ganda: SMK 3 Tahun dan SMK 4 Tahun*. Leisyah.
- Anam, M. K., Mudakir, I., & Prihatin, J. (2023). The Development of Hypermedia-Based E-Module to Enhance Students' Creative Thinking Skills in the Topic of Digestive System for Junior High School Students *Bioedukasi*, 21(3), 256–262. <https://doi.org/10.19184/bioedu.v21i3.40941>

- Andrini, V. S. (2024). Improving Self-Efficacy and Problem Solving Ability of Prospective Mathematics Teachers through Hypermedia Augmented Reality. *EDUTEC: Journal of Education And Technology*, 7(4), 323–331. <https://doi.org/10.29062/edu.v7i4.929>
- Ariani Hrp, N., Masruro, Z., Saragih, S. Z., Hasibuan, R., Simamora, S. S., & Toni. (2022). Buku Ajar Belajar Dan Pembelajaran. In *Buku Ajar Belajar Dan Pembelajaran*. Widina Media Utama. <https://doi.org/10.21070/2022/978-623-464-043-4>
- Ariesta, F. W., & Kevin, K. (2023). The effectiveness of hypermedia articulate storyline in science learning on critical thinking skills. *AIP Conference Proceedings*, 2751(January 2023). <https://doi.org/10.1063/5.0143059>
- Arikunto, S. (2012). *Dasar-dasar Evaluasi Pendidikan* (Revisi). Bumi Aksara.
- Arikunto, S. (2016). *Manajemen Penelitian*. Rineka Cipta.
- Arsyad, A. (2017). *Media Pembelajaran (Edisi Revisi)*. Rajawali Press.
- Asrul, Sarigih, A. H., & Mukhtar. (2022). Evaluasi Pembelajaran. In *Perdana Publishing*. Perdana. [http://repo.iain-tulungagung.ac.id/5510/5/BAB 2.pdf](http://repo.iain-tulungagung.ac.id/5510/5/BAB%202.pdf)
- Awaludin, A., Wibawa, B., & Winarsih, M. (2020). Integral Calculus Learning Using Problem Based Learning Model Assisted by Hypermedia-Based E-Book. *JPI (Jurnal Pendidikan Indonesia)*, 9(2), 224. <https://doi.org/10.23887/jpi-undiksha.v9i2.23106>
- Azizah, A. N., Purwianingsih, W., & Hamdiyati, Y. (2021). Kemampuan Bernalar Siswa Menggunakan Pembelajaran Berbasis Representasi Konseptual Dengan Hypermedia Pada Materi Sistem Pernapasan. *Jurnal BIOEDUIN: Program Studi Pendidikan Biologi*, 11(1), 27–38. <https://doi.org/10.15575/bioeduin.v11i1.12078>
- Badan Standar Kurikulum dan Asesmen Pendidikan. (2022). Keputusan Kepala Badan Standar, Kurikulum, dan Asesmen Pendidikan Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi Nomor 008/H/KR/2022 Tentang Capaian Pembelajaran Pada Pendidikan Anak Usia Dini, Jenjang Pendidikan Dasar, dan Jenjang Pendidikan Me. In *Kementerian Pendidikan, Kebudayaan, Riset dan Teknologi*. https://kurikulum.kemdikbud.go.id/wp-content/unduh/CP_2022.pdf

- Baros, W. A. M., Solin, M., & Pramuniati, I. (2019). Proper Assessment of Learning Materials Based Interactive Multimedia According to Expert Validator of Materials in Class 10th of Tritech Informatika Vocational School Medan, Learning Year 2017/2018, Indonesia. *Budapest International Research and Critics in Linguistics and Education (BirLE) Journal*, 2(1), 50–60. <https://doi.org/10.33258/birle.v2i1.185>
- Basam, F. (2022). *Pembelajaran Literasi Sains: Tinjauan Teoretis dan Praktik*. Bintang Semesta Media.
- Batubara, H. H. (2021). *Media Pembelajaran Digital*. Remaja Rosdakarya.
- Billett, S. (2011). Vocational Education: Purposes, Traditions and Prospects. In *Journal of Chemical Information and Modeling* (Vol. 53, Issue 9). Springer. <https://doi.org/10.1007/978-94-007-1954-5>
- Braun, V., & Clarke, V. (2021). Conceptual and Design Thinking for Thematic Analysis. *Qualitative Psychology*, 9(1), 3–26. <https://doi.org/10.1037/qup0000196>
- Davis, B., & Summers, M. (2015). Applying Dale’s Cone of Experience to increase learning and retention A study of student learning in a foundational leadership course. *QScience Proceedings (Engineering Leaders Conference 2014)*, 1–7. <https://doi.org/http://dx.doi.org/10.5339/qproc.2015.elc2014.6>
- del Río, L. S., Sanz, C. V., & Búcarí, N. D. (2019). Incidence of a hypermedia educational material on the teaching and learning of mathematics. *Journal of New Approaches in Educational Research*, 8(1), 50–57. <https://doi.org/10.7821/naer.2019.1.334>
- Dick, W., Carey, L., & Carey, J. O. (2015). The Systematic Design of Instruction. In *Pearson* (Eight Edit). Pearson.
- Dionísio, P. S., Barbosa, I. V., Sampaio, L. R. L., Rolim, K. M. C., Seifert, S. K. M., Sousa, G. R., de Abreu, R. N. D. C., & de Vasconcelos, E. R. (2022). Development and validation of educational hypermedia for family members and caregivers of people with epidermolysis bullosa. *Revista Brasileira de Enfermagem*, 75(5), 11–17. <https://doi.org/10.1590/0034-7167-2021-0856>
- Dito, S. B., & Pujiastuti, H. (2021). Dampak Revolusi Industri 4.0 Pada Sektor Pendidikan: Kajian Literatur Mengenai Digital Learning Pada Pendidikan

- Dasar dan Menengah. *Jurnal Sains Dan Edukasi Sains*, 4(2), 59–65.
<https://doi.org/10.24246/juses.v4i2p59-65>
- Djamaluddin, A., & Wardana. (2019). *Belajar dan Pembelajaran 4 Pilar Peningkatan Kompetensi Pedagogis* (A. Syaddad, Ed.; Vol. 162, Issue 2188). Kaaffah Learning Center.
- Faizah, H., & Kamal, R. (2024). Belajar dan Pembelajaran. *Jurnal Basicedu*, 8(1), 466–476. <https://doi.org/10.31004/basicedu.v8i1.6735>
- 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>
- Gustafson, K. L., & Branch, R. M. (2002). Survey of instructional development models, fourth edition. In *TechTrends* (Vol. 45, Issue 1). ERIC. <https://doi.org/10.1007/bf02763388>
- Gustiawati, R., Arief, D., & Zikri, A. (2020). Pengembangan Bahan Ajar Membaca Permulaan dengan Menggunakan Cerita Fabel pada Siswa Sekolah Dasar. *Jurnal Basicedu*, 4(2), 355–360. <https://doi.org/10.31004/basicedu.v4i2.339>
- Hake, R. R. (1998). Interactive-engagement versus traditional methods: A six-thousand-student survey of mechanics test data for introductory physics courses. *American Journal of Physics*, 66(1), 64–74. <https://doi.org/10.1119/1.18809>
- Hidayah, N. (2023). Pengembangan bahan ajar hypermedia berbasis kelora dengan model quantum teaching siswa kelas IV SD di Kecamatan Pecangaan Kabupaten Jepara. *COLLASE (Creative of Learning Students ...)*, 06(02), 344–354.
- Holbrook, J., & Rannikmae, M. (2009). *The Meaning of Scientific Literacy*. <http://www.ijese.com/>
- Indonesia, P. (2003a). *Undang-Undang Republik Indonesia Nomor 20 Tahun 2003 tentang Sistem Pendidikan Nasional* (Issue 20).
- Indonesia, P. (2003b). *Undang-Undang Republik Indonesia Nomor 20 Tahun 2003 tentang Sistem Pendidikan Nasional* (Issue 20).

- Jamilah, N. (2020). Pengembangan Bahan Ajar Interaktif 'POST' dalam Pembelajaran Apresiasi Puisi untuk Siswa Kelas X SMA. *Diglosia: Jurnal Kajian Bahasa, Sastra, Dan Pengajarannya*, 3(1), 14–23. <https://doi.org/10.30872/diglosia.v3i1.28>
- Janusweski, A., & Molenda, M. (2008). *Educational Technology: A Definition with Commentary*. Routledge.
- Jonassen, D. H. (2012). Designing Hypermedia for Learning. In D. H. Jonassen & H. Mandl (Eds.), *Designing Hypermedia for Learning*. Springer Berlin Heidelberg. <https://doi.org/10.1007/978-3-642-75945-1>
- Karim, A. (2015). Pembelajaran Ilmu Pengetahuan Sosial. In *Kementrian Pendidikan dan Kebudayaan*.
- Kemenkominfo. (2022). *Status Literasi Digital Indonesia 2022*. https://eppid.kominfo.go.id/storage/uploads/1_3_Lakip_Kementerian_Kominfo_2021_low.pdf
- Kosasih, E. (2020). *Pengembangan Bahan Ajar*. Bumi Aksara.
- Kustandi, C., & Darmawan, D. (2020). *Pengembangan media pembelajaran*. Prenamedia Group.
- Lee, W. W., & Owens, D. L. (2004). *Multimedia-based instructional design*. Pfeiffer.
- Lestari, N. (2023). *Media Pembelajaran Berbasis Multimedia Interaktif*. Penamuda Media.
- Lestari, S. (2018). Peran Teknologi dalam Pendidikan di Era Globalisasi. *Edureligia; Jurnal Pendidikan Agama Islam*, 2(2), 94–100. <https://doi.org/10.33650/edureligia.v2i2.459>
- Malem Barus, A., Sari, W. W., Stephanie, L., & Rahayu, I. P. (2023). *Panduan dan Praktik Baik Project-Based Learning Menginspirasi, Mencipta, dan Mendedikasikan Karya*. Kanisius. https://www.google.co.id/books/edition/Panduan_dan_Praktik_Baik_Project_Based_L/WAivEAAAQBAJ?hl=en&gbpv=0
- Masykuro, A. F., & Hakim, M. (2023). Pengaruh penggunaan hypermedia flipbook terhadap minat dan hasil belajar siswa pada materi sistem ekskresi manusia.

- Jurnal Pendidikan Dan Sains Biologi*, 6(2), 79–88.
<https://doi.org/10.33323/indigenous.v6i2.409>
- Maulana, R., & Hidayati, S. (2022). Pengembangan Media Pembelajaran Hypermedia Dalam Upaya Meningkatkan Keterampilan Berpikir Tingkat Tinggi Siswa Mata Pada Mata Pelajaran Ekonomi SMA Kelas X. *PeKA: Jurnal Pendidikan Ekonomi Akuntans*, 10(2), 34–44.
- Moos, D. C., & Marroquin, E. (2010). Multimedia, hypermedia, and hypertext: Motivation considered and reconsidered. *Computers in Human Behavior*, 26(3), 265–276. <https://doi.org/10.1016/j.chb.2009.11.004>
- Munir. (2015). *Multimedia: Konsep & Aplikasi dalam Pendidikan*. Alfabeta.
- Musyarofah, Ahmad, A., & Suma, N. N. (2021). *Konsep dasar IPS* (D. P. Adi, Ed.). Komojoyo Press.
- Napis, Yufiarti, & Wirasti, M. K. (2024). Development of Multiple Representation Models in Physics Mechanics Learning Using a Self-Regulated Learning Approach. *Journal of Physics: Conference Series*, 2866(1). <https://doi.org/10.1088/1742-6596/2866/1/012101>
- Nastiti, F. E., & ‘Abdu, A. R. N. (2020). Kesiapan pendidikan Indonesia menghadapi era society 5.0. *Edcomtech : Jurnal Kajian Teknologi Pendidikan*, 5(1), 61–66.
- NCSS. (1994). *Curriculum Standards for Social Studies*. National Council for the Social Studies.
- Nieto-Márquez, N. L., Baldominos, A., & Pérez-Nieto, M. Á. (2020). Digital teaching materials and their relationship with the metacognitive skills of students in primary education. *Education Sciences*, 10(4), 1–18. <https://doi.org/10.3390/educsci10040113>
- OECD. (2019a). Pendidikan di Indonesia belajar dari hasil PISA 2018. In *Pusat Penilaian Pendidikan Balitbang KEMENDIKBUD* (Issue 021). <http://repositori.kemdikbud.go.id/id/eprint/16742>
- OECD. (2019b). *PISA 2018 Assessment and Analytical Framework*. OECD. <https://doi.org/10.1787/b25efab8-en>

- Pendidikan, B. S. K. dan A. (2022). Capaian Pembelajaran Projek Ilmu Pengetahuan Alam dan Sosial. In *Kementerian Pendidikan, Kebudayaan, Riset dan Teknologi* (Vol. 5, Issue 1).
- Prastowo, A. (2014). *Pengembangan bahan ajar tematik tinjauan teoretis dan praktik* (Edisi Pert). Prenamedia Group.
- Prawiradilaga, D. S. (2015). *Prinsip disain pembelajaran (instructional design principles)*. Prenamedia Group.
- Prawiradilaga, S. D., Widyaningrum, R., & Ariani, D. (2017). Prinsip-prinsip dasar pengembangan modul berpendekatan hypercontent. *Indonesian Journal of Curriculum and Educational Technology Studies*, 5(2), 57–65. <http://journal.unnes.ac.id/sju/index.php/jktp>
- Putra, S. R. (2013). *Desain Belajar Mengajar Kreatif Berbasis Sains* (Nadia Putri, Ed.). DIVA Press.
- Riduwan. (2015). *Skala pengukuran variabel-variabel penelitian*. Alfabeta.
- Rochmattulloh, A. S., Prastowo, S. B., & Farisi, M. I. (2022). Development of Hypermedia-Based Interactive Learning Tools to Improve Student Social Science Learning Outcomes. *Jurnal Kependidikan: Jurnal Hasil Penelitian Dan Kajian Kepustakaan Di Bidang Pendidikan, Pengajaran Dan Pembelajaran*, 8(4), 1074–1086. <https://doi.org/https://doi.org/10.33394/jk.v8i4.5805>
- Rohman, M., & Amri, S. (2013). *Desain Pengembangan Sistem Pembelajaran* (M. Jauhar, Ed.). Prestasi Pustakarya.
- Rusdi, M. (2018). *Penelitian dan desain pengembangan kependidikan: konsep, prosedur dan sintesis pengetahuan baru*. Rajagrafindo Persada.
- Sanjaya, W. (2014). *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*. Prenamedia Group.
- Sanjaya, W. (2016). *Media Komunikasi Pembelajaran*. Prenadamedia. https://www.google.co.id/books/edition/Media_Komunikasi_Pembelajaran/wiBQEAAAQBAJ?hl=en&gbpv=0
- Santoso, D., Syukur, A., & Zulkifli, L. (2022a). Development of science teaching materials based on ecological value of Mangrove ecosystems as a strategy to improve science literacy of junior high school students on the south coast of

- East Lombok. *Jurnal Penelitian Pendidikan IPA*, 8(1), 283–290.
<https://doi.org/10.29303/jppipa.v8i1.1325>
- Santoso, D., Syukur, A., & Zulkifli, L. (2022b). Development of Science Teaching Materials Based on Ecological Value of Mangrove Ecosystems as a Strategy to Improve Science Literacy of Junior High School Students on the South Coast of East Lombok. *Jurnal Penelitian Pendidikan IPA*, 8(1), 283–290.
<https://doi.org/10.29303/jppipa.v8i1.1325>
- Saparuddin. (2022). *Inovasi pembelajaran*. Jejak.
- Siang, J. L., Ibrahim, N., & Situmorang, R. (2019). Development of Hypercontent Module using Jonnuro Model Learning Desain for Candidates Master Guide. *International Journal of Recent Technology and Engineering*, 8(2 Special Issue 9), 70–78. <https://doi.org/10.35940/ijrte.B1016.0982S919>
- Sitepu, B. P. (2014). *Pengembangan sumber belajar* (2nd ed.). Rajawali Press.
- Smaldino, S. E., Lowther, D. L., & Russell, J. D. (2019). *Instructional technology and media for learning: Teknologi pembelajaran dan media untuk belajar*. Prenamedia Group.
- Sudira, P. (2012). *Filosofi dan Teori Pendidikan Vokasi dan Kejuruan* (T. Setyawan, Ed.). UNY Press.
- Sudirman, S., Nasrianty, N., Kurniawati, N., Kartini, K. S., Widiyarti, G., Sukmawati, R., Vonnisye, V., Safitri, P. T., Silka, S., Lisnasari, S. F., Amaliah, R., Taubah, R., Agetania, N. L. P., & Marlinda, N. L. P. (2023). Proses Belajar Dan Pembelajaran. In S. Haryanti (Ed.), *Pendidikan Dan Studi Islam* (Vol. 7). Media Sains Indonesia.
- Sugiyono. (2020). *Metode Penelitian Kuantitatif, Kualitatif dan Kombinasi (Mixed Method)*. Alfabeta.
- Sundayana, R. (2020). *Statistika Penelitian Pendidikan*. Alfabeta.
- Sutarna, A., Wijoyo, H., Indrawan, I., & Usada, B. (2020a). *Manajemen Pendidikan Vokasi* (N. Limakrisna, Ed.).
- Sutarna, A., Wijoyo, H., Indrawan, I., & Usada, B. (2020b). *Manajemen Pendidikan Vokasi* (N. Limakrisna, Ed.).

- Tasar, M., & Cetin, N. (2021). Scaffolding prompt questions and learners' self-regulated learning about the nature of science in hypermedia. *International Journal of Curriculum and Instruction*, 13(2), 1802–1824.
- Wahab, G., & Rosnawati. (2021). *Teori-teori belajar dan pembelajaran* (Vol. 3, Issue April). Adanu Abimata. <http://repository.uindatokarama.ac.id/id/eprint/1405/1/TEORI-TEORI-BELAJAR-DAN-PEMBELAJARAN.pdf>
- Werdiningsih, D. (2021). *Literasi Sains dan Materi Pembelajaran Bahasa Indonesia*. Literasi Nusantara Abadi.
- Wulan Sari, I. A. U., Setiyadi, A. B., & Surbakti, A. (2021). The Development of Local-Based Teaching Material in Project-Based Learning. *The International Journal of Social Sciences World*, 3(2), 351–358. <https://doi.org/10.5281/zenodo.5778131>
- Wutsqo, B. U., Rizky, D. M., & Hidayat, D. R. (2020). Hubungan Konsep Diri dengan Kematangan Vokasional Pada Siswa SMK. *Jurnal Ilmiah Bimbingan Konseling Undiksha*, 11(1), 54–60. <https://doi.org/10.23887/jjbk.v11i1.27391>
- Yao, R., Zhang, G., Wang, Y., & Bie, R. (2022). Design of Teaching Material Evaluation Incentive Mechanism based on Game Theory. *Procedia Computer Science*, 202, 47–54. <https://doi.org/10.1016/j.procs.2022.04.007>
- Yaumi, M. (2018). *Media & Teknologi Pembelajaran*. Prenadamedia.
- Zafri, & Hera Hastuti. (2023). *Metode Penelitian Pendidikan*. Rajagrafindo Persada.