

DAFTAR PUSTAKA

- Afifah, Isma, and Tri Isti Hartini. 2025. "Pengembangan Media Pembelajaran Wordwall Melalui Pembelajaran Berdiferensiasi Materi Pecahan Kelas III SD." *Jurnal Pendidikan Dan Pembelajaran Matematika* 11 (2): 1257–69.
- Al-barakat, Ali, Rommel Alali, Sarah Alotaibi, Jawaher Alrashood, Ali Abdullatif, and Ashraf Zaher. 2025. "Science Education as a Pathway to Sustainable Awareness : Teachers ' Perceptions on Fostering Understanding of Humans and the Environment : A Qualitative Study," 1–19.
- Alawiyah, Wiwi, Yusuf Suryana, and Oyon Haki Pranata. 2019. "Pengaruh Media Puzzle Terhadap Hasil Belajar Siswa Tentang Bangun Datar Di Sekolah Dasar." *PEDADIDAKTIKA: Jurnal Ilmiah Pendidikan Guru Sekolah Dasar* 6 (1): 118–29.
- Anam, Isbat Dzikril, Ngurah Ayu Nyoman, and Fine Reffiane. 2023. "Peningkatan Hasil Belajar Siswa Kelas IVB Pembelajaran Ipa Melalui Media Puzzle Di SDN Peterongan." 09 (02): 2614-722X.
- Anggraini, Romlani Sayu. 2024. "Efektivitas Penggunaan Media Puzzle Untuk Meningkatkan Motivasi Belajar Siswa Kelas V Materi Organ Pernafasan Manusia di SDN Bandasoleh 1 Tahun Pelajaran 2023/2024." *Jurnal Pendidikan & Pembelajaran JPP* 1 (1): 23–33. <http://jurnal.ut.ac.id/index.php/jp/search/authors/view?givenName=MeryNoviyanti&familyName=&affiliation=UniversitasTerbuka&country=ID&authorName=MeryNoviyanti>.
- Antonio, Diego, Urdanivia Alarcon, Fabiola Talavera-mendoza, Fabian Hugo, Rucano Paucar, Karina Sandra, and Cayani Caceres. 2022. "Science and Inquiry-Based Teaching and Learning : A Systematic Review."
- Anwar, Choirul, Muhammad Syaiful Munir, Muhammad Syahrul, and Muhammad Miftah Nur Rozaq. 2025. "Implementasi Pembelajaran Berdiferensiasi Di Sekolah Dasar." *Jurnal Ilmu Pendidikan Dasar Indonesia* 4 (4): 213–29.
- Ariani, Nurlina, Zulaini Masruro, Siti Zahara Saragih, Rosmidah Hasibuan, Siti Suharni Simamora, and Toni Toni. 2022. *Buku Ajar Belajar Dan Pembelajaran*. Edited by N. Rismawati. Cetakan Pe. Bandung: Penerbit Widina Bhakti Persada.
- Astawan, I. G., I. M. Suarjana, B. R. Werang, S. I. Asaloei, M. Sianturi, and E. C. Elele. 2023. "Stem-Based Scientific Learning and Its Impact on Students' Critical and Creative Thinking Skills: An Empirical Study." *Jurnal Pendidikan IPA Indonesia* 12 (3): 482–92. <https://doi.org/10.15294/jpii.v12i3.46882>.
- Azalea, Talitha Salsabila, and Barokah Isdaryanti. 2026. "JPPIPA (Jurnal Penelitian Pendidikan IPA) The Effectiveness Of Smart Box Media With Problem-Based" 11 (1): 12–21.
- Cahyani, Ni Kadek Ayu Pramudia, Ni Made Muliani, I Made Sukariawan, and Ni Nyoman Ayu Suciartini. 2026. "Pengaruh Model Problem Based Learning Berbantuan Media Peraga Tata Surya Untuk Meningkatkan Hasil Belajar Siswa Pada Mata Pelajaran IPAS Kelas IV SD." *QOSIM : Jurnal Pendidikan, Sosial & Humaniora QOSIM : Jurnal Pendidikan, Sosial & Humaniora* 4 (3): 2987-713X.

- Chotimah, Siti Chusnul. 2024. "Efektifitas Model Jigsaw Berbantuan Media Puzzle Terhadap Kemampuan Berpikir Kritis Pada Mata Pelajaran Ips Di Sekolah Dasar." Universitas Islam Sultan Agung.
- Ciputra, Agustianamas, Yatim Riyanto, and Suhanadji Suhanadji. 2021. "Pengembangan Media Peta Puzzle Berbasis Adobe Flash Dengan Pendekatan Contextual Teaching And Learning (CTL) Untuk Meningkatkan Hasil Belajar." *Jurnal Studi Kependidikan Dan Keislaman* 7 (2): 185–95.
- Dewi, Hartika Argi, and Hernur Yoga Priyambodo. 2024. "Penerapan Model Problem Based Learning Berbantuan Puzzle Peta Untuk Meningkatkan Hasil Belajar Siswa." *Scinece and Education Journal*, no. 1, 78–88.
- Ernis, Poni, and Nahdatul Hazmi. 2021. "Kata Kunci : Hasil Belajar, Media Puzzle , Komponen Ekosistem." *Journal of Elemantary School (JOES) Volume* 4:45–56.
- Faradibah, Elminora Nadia. 2019. "Pengembangan Media Puzzle Materi Sistem Pencernaan Manusia Terhadap Pemahaman Konsep Pada Siswa Kelas 5 SDN Kersikan 1 Bangil Kabupaten Pasuruan." Universitas Islam Negeri Maulana Malik Ibrahim Malang.
- Farhan, Muhammad, and Dudung Amir Soleh. 2025. "Penerapan Media Pembelajaran Berbasis Puzzle Kelas V Sekolah Dasar" 10.
- Febyanita, Icha, and Dyah Ayu Pramoda Wardhani. 2020. "Pengembangan Media Puzzle Materi Siklus Air Untuk Meningkatkan Motivasi Belajar Siswa." *Jurnal Inovasi Penelitian* 1 (6).
- Gautam, Krishna Kumar, and Reena Agarwal. 2023. "The New Generation Teacher: Teacher as a Facilitator." *International Journal of Creative Research Thoughts (IJCRT)* 11 (7): 2320–2882.
- Handayani, Linda. 2025. "Interpretative Phenomenological Analysis of University Students ' Experiences of National Identity among Indonesian University Students in the Digital Age : An IPA Approach" 1 (5).
- Harsih, Laksmi Murti, and Wahyudi Wahyudi. 2023. "Media Pembelajaran Puzzle Dengan Kartu Masalah Untuk Meningkatkan Kemampuan Berpikir Kritis Siswa Sekolah Dasar." *Jurnal Educatio FKIP UNMA* 9 (4): 2123–31. <https://doi.org/10.31949/educatio.v9i4.5764>.
- Hartono, Hartono, Ningsi Ningsi, and Shahzadi Hina. 2025. "Developing Interactive Learning Media to Enhance Elementary School Students ' Learning Motivation." *Journal of Primary Education* 6 (1): 81–96. <https://doi.org/10.35719/educare.v6i1.291>.
- Herlisti, Risma Dewi. 2024. "Implementation of Strengthening the Pancasila Student Profile Independent Curriculum As A Strengthening of Independent and Creative Character in Elementary Schools." *International Proceedings of Nusantara Raya* 3 (1): 215–24.
- Idika, Mabel Ihuoma, and Moturayo Promise Oluwaseyi. 2024. "The Impact of Puzzle Game and Video-Based Puzzle Strategies on Students ' Achievement and Retention in Periodicity." *Journal of Mathematics and Science Teacher* 4 (2). <https://doi.org/https://doi.org/10.29333/mathsciteacher/14366>.
- Kara, Serpil, and Aysun Tekindur. 2025. "The Effect of Differentiated Instruction on the Academic Achievement and Opinions of 3rd-Grade Students in Science Education : A Mixed-Methods Study," no. Unesco 2015, 1–28.
- Karima, Retmaniar. 2024. "Pengembangan Media 'Sijarwo' Untuk Menunjang

- Pembelajaran Diferensiasi Mata Pelajaran IPA Di Sekolah Dasar.” *Jurnal Didaktika Pendidikan Dasar* 8 (3): 1323–46. <https://doi.org/10.26811/didaktika.v8i3.1730>.
- Kurniati, Ela. 2024. “Pengembangan Media Pembelajaran Jigsaw Puzzle Pada Materi Metamorfosis Makhluk Hidup Mata Pelajaran IPA Kelas IV MI/SD.” Universitas Islam Negeri Sultan Syarif Kasim Riau.
- Kuswara, Kuswara, and Yena Sumayana. 2020. “Apresiasi Cerita Rakyat Sebagai Upaya Memperkuat Karakter Siswa Dalam Menghadapi Revolusi Industri 4.0.” *Jurnal Basicedu* 5 (1): 317–26. <https://doi.org/10.31004/basicedu.v5i1.678>.
- Larasati, Heni Ajeng, Hetilaniar, and Amiruddin. 2025. “Pengaruh Pembelajaran Berdiferensiasi Menggunakan Media Interaktif Crossword Puzzle Terhadap Hasil Belajar PPKN Siswa” 1 (1): 101–9.
- Latip, Abdul. 2022. “Penerapan Model ADDIE Dalam Pengembangan Multimedia Pembelajaran Berbasis Literasi Sains.” *Jurnal Ilmiah Pendidikan Sains* 2:102–8.
- Londa, Angela Herlina, Yuliana Yenita Mete, and Berty Sadipun. 2018. “Penggunaan Media Puzzle Untuk Meningkatkan Hasil Belajar Peserta Didik Pada Pembelajaran IPA.” *Journal of Elementary School (JOES)* 1 (2): 2615–1448.
- Lukman, Yonathan S Pasinggi, and Mardiana Ainul. 2024. “Penggunaan Media Pembelajaran Puzzle Untuk Meningkatkan Hasil Belajar Siswa Pada Pembelajaran IPAS Kelas IV UPTD SD Negeri 23 Barru.” *JUARA SD: Jurnal Pendidikan Dan Pembelajaran Sekolah Dasar* 3 (3): 268–79. <https://journal.unm.ac.id/index.php/juara/article/view/3982>.
- Mageed, Ismail A. 2024. “The Mathematization of Puzzles or Puzzling Mathematics Innovative Teaching of Mathematics The Mathematization of Puzzles or Puzzling Mathematics Innovative Teaching of Mathematics.” *Preprint.Org*. <https://doi.org/10.20944/preprints202409.0609.v1>.
- Marfu, Siti, Elly Arliani, and Heri Retnawati. 2025. “Implementasi Pembelajaran Berdiferensiasi Kurikulum Merdeka Di Sekolah : Sebuah Tinjauan Tentang Evaluasi.” *Jurnal Didaktika Kependidikan* 14 (3): 4145–54.
- Maulidah, Agisna Najiah, and Aslam Aslam Aslam. 2021. “Penggunaan Media Puzzle Secara Daring Terhadap Hasil Belajar IPA Kelas V SD.” *Mimbar Ilmu* 26 (2): 281. <https://doi.org/10.23887/mi.v26i2.37488>.
- Mawaddah, A, and S Sukayasa. 2025. “Peningkatan Minat Belajar Matematika Peserta Didik Dengan Menggunakan Media Puzzle Pada Pembelajaran Berdiferensiasi (Increasing Student ’ s Interest in Learning Mathematics by Using Puzzle Media in Differentiated Learning).” *Jural Banua Oge Tadulako* 4 (2): 56–62.
- Mukholifah, Madinatul, Urip Tisngati, and Vit Ardhyantama. 2020. “Mengembangkan Media Pembelajaran Wayang Karakter Pada Pembelajaran Tematik.” *Jurnal Inovasi Penelitian* 1 (4): 673–82. <https://doi.org/10.47492/jip.v1i4.152>.
- Nisa, Khairun, Nurhayani H Muhiddin, and Ramlawati Ramlawati. 2025. “The Effect of the TaRL Approach Based on Process Differentiation on Problem-Solving Ability.” *Journal of Science Learning* 8. <https://doi.org/10.17509/jsl.v8i3.83463>.

- Nurhadi, M. Faiz, and M. Kholis Amrullah. 2024. "Cognitive Development in Writing Skills Among Students of Insan Mulia Integrated Islamic High School M. Faiz Nurhadi 1, M. Kholis Amrullah 2." *In Proceeding International Conference on Islam and Education (ICONIE)* 3:1134–42.
- Nurhaswinda, Yolanda, S. Ningsih, S. Mulyani, I. Saputra. 2024. "Hubungan Media Pembelajaran Dengan Materi FPB Dan KPK Pada Siswa SD" 1 (1): 11–15.
- Pebriyanti, Diantika. 2023. "Pengaruh Implementasi Pembelajaran Berdiferensiasi Pada Pemenuhan Kebutuhan Belajar Peserta Didik Tingkat Sekolah Dasar" 05 (1): 89–96.
- Pratiwi, Eliya Kusuma, and Dewi Nilam Tyas. 2025. "The Effectiveness of Implementing Learning Style Differentiation on Science Learning Interests and Outcomes in Elementary Schools." *Jurnal Penelitian Pendidikan IPA* 11 (4): 243–53. <https://doi.org/10.29303/jppipa.v11i4.10670>.
- Pratiwi, Ni Kadek Ratna. 2022. "Pengembangan Bahan Ajar IPA Berbasis Multirepresentasi Terhadap Pemahaman Konsep Siswa SMP: Sebuah Tinjauan Studi." *Jurnal Pendidikan MIPA* 12:359–66. <https://doi.org/https://doi.org/10.37630/jpm.v12i2.614>.
- Putri, Ani Riska, and Tri Zahra Ningsih. 2024. "Implementasi Media Puzzle Pada Pembelajaran Differensiasi Dalam Mata Pelajaran IPA Kelas V SDTQ Salsabila Rejang Lebong Siklus Air." *Jurnal Inovasi Pendidikan Dasar Dan Menengah* 1 (3): 169–82. <https://doi.org/10.71301/jipdasmen.v1i3.60>.
- Rahayu, Oktaviani, and Setyawati Yuliana. 2025. "Published by Yayasan Cinta Negara Indonesia The Effectiveness of Implementing the Constructivist Learning Model in Improving Elementary School Students' Conceptual Understanding." *Didaskalos Journal* 1 (1): 17–24.
- Regina, Hanif Thalia, and Desi Wulandari. 2025. "Development of Pop Up Book Learning Media on the Material of the Form of Matter and Its Changes Based on Problem Based Learning to Improve the Learning Outcomes of Science for Grade IV Elementary School." *Jurnal Penelitian Pendidikan IPA* 11 (3): 94–105. <https://doi.org/10.29303/jppipa.v11i3.10607>.
- Ritonga, Rohyana Salmi, Yusra Nasution, Wildansyah Lubis, Faisal, and Waliyul Maulana Siregar. 2026. "Pengaruh Media Puzzle Terhadap Hasil Belajar Siswa Pada Pelajaran Ips Kelas IV SD Negeri 101778 Medan." *Jurnal Dunia Pendidikan* 6 (5): 2746–8674.
- Rizkia, Enges Nabilla, and Rusijono Rusijono. 2025. "Pengembangan Media Puzzle Prisma Untuk Meningkatkan Hasil Belajar Materi Ekosistem Mata Pelajaran IPA Bagi Siswa Kelas V SDN Lidah Kulon 1 Surabaya." *Jurnal Mahasiswa Teknologi Pendidikan*.
- Samudar, Nurhaerani, Ramlawati Ramlawati, and Sudarto Sudarto. 2019. "Pengaruh Media Puzzle Pada Model Pembelajaran Kooperatif Tipe Divisi Pencapaian Kelompok Peserta Didik Terhadap Hasil Belajar Ipa Peserta Didik Kelas Viii Smp Negeri 2 Mappedeceng (Studi Pada Materi Pokok Sistem Peredaran Darah Manusia) Kabupaten Luwu Uta." *Jurnal IPA Terpadu* 3 (1): 74–83. <https://doi.org/10.35580/ipaterpadu.v3i1.11147>.
- Sari, Ratna, and Titin Prihatini. 2023. "Pembelajaran Berdiferensiasi Dalam Konteks Ilmu Pengetahuan Alam Di SMP : Kajian Literatur" 1 (6).
- Saripah, Sarah, and Maha Putra. 2025. "Pengembangan Media Pembelajaran Berbasis Puzzle 'SUGAM' Untuk Meningkatkan Hasil Belajar IPAS Siswa

- Kelas IV Sekolah Dasar” *Pendas : Jurnal Ilmiah Pendidikan Dasar* 10 (01): 237–46.
- Septiyani, Defi, and Sigit Yulianto. 2025. “Media Puzzle Berbasis Augmented Reality Terhadap Hasil Belajar IPAS Siswa Sekolah Dasar.” *Jurnal Penelitian Dan Pengembangan Pendidikan* 9 (1): 207–19. <https://doi.org/10.23887/jppp.v9i1.89212>.
- Soviyana, R Aida Ekaputri, Asih Wulandari, Zalfa Hervianuri, Nadya Nunik Cahyani, Wita Dwi Yanti, Alya Latifa, and Afridha Laily Alindra. 2026. “The Effect of the Project Based Learning Model Assisted by Puzzle Media on Science Learning Outcomes for Grade V in Elementary Schools 9 (1): 240–54. <https://doi.org/10.56338/jks.v9i1.9861>.
- Wahyuningsih, Ruri, and Ricka Tesi Muskania. 2025. “Pengaruh Model Direct Interaction Berbantuan Media Puzzle Terhadap Hasil Belajar Peserta Didik Dalam Pembelajaran IPA Materi Organ Gerak Hewan.” *Jurnal Ilmiah Pendidikan Dasar* 10:404–17.
- Weng, Ting-sheng. 2022. “Enhancing Problem-Solving Ability through a Puzzle-Type Logical Thinking Game.” *Hindawi Scientific Progaming* 2022. <https://doi.org/10.1155/2022/7481798>.
- Yadollahi, Azita, and Shahram Yazdani. 2020. “Defining Cognitive, Higher Order Thinking, and Psychomotor Meta-Skills: Three-Curricular Content Concept Analysis.” *Journal of Medical Education* 19 (3). <https://doi.org/10.5812/jme.110334>.
- Zahwa, Feriska Achlikul, and Imam Syafi’i. 2022. “Pemilihan Pengembangan Media Pembelajaran Berbasis Teknologi Informasi.” *Equilibrium: Jurnal Penelitian Pendidikan Dan Ekonomi* 19 (01): 61–78. <https://doi.org/10.25134/equi.v19i01.3963>.

