

## Daftar Pustaka

- Afriani, M., Mutmainnah, & Sunarni. (2025). *Understanding the design of research and development methods in the field of education. International Journal of Education and Social Science Research and Development (IJESSRD)*, 3(1), 45–58. <https://ejournal.aissrd.org/index.php/ijess/article/view/333>
- Andriana, E., Fauzany, P. S. D., & Alamsyah, T. P. (2022). 21st Century Multimedia Innovation: Development of E-LKPD Based On Scientific Inquiry in Science Class. *Journal of Innovation in Educational and Cultural Research*, 3(4), 731–736. <https://doi.org/10.46843/jiecr.v3i4.242>
- Angelova, V., & Nikolova, A. (2022). *Teaching the actions addition and subtraction of the numbers within 20 without regrouping using interactive live worksheets. 16th International Technology, Education and Development Conference*, 937–946. <https://doi.org/10.21125/inted.2022.0302>
- Apreasta, L. (2023). Pengembangan Buku Ajar PQ4R untuk Meningkatkan Aktivitas dan Pemahaman Membaca Siswa Kelas V. *Jurnal Pengembangan Pembelajaran SD*, 4(2), 101–110.
- Arikunto, S. (2019). *Prosedur Penelitian: Suatu Pendekatan Praktik*. Jakarta: Rineka Cipta.
- Arvianto, F., Slamet, S. Y., & Andayani. (2023). *Designing an instrument to measure digital literacy competence using the 4D model. International Journal of Instruction*, 16(4), 845–860. <https://doi.org/10.29333/iji.2023.16447a>
- Aryani, D. (2023). Implementasi Model 4D dalam Pengembangan E-LKPD Digital di Sekolah Dasar. *Jurnal Pendidikan Dasar dan Pembelajaran*, 13(2), 88–99.
- Awliyah, R. F., Suyadi, & Jannah, F. R. (2021). Aspek perkembangan bahasa anak pada tingkat sekolah dasar. *Jurnal Pendidikan Edutama*, 8(1), 99–108. <https://doi.org/10.30734/jpe.v8i1.1045>
- Camohoy, M. P. G., Osias, N. C., & Corpuz, G. G. (2025). Effects of PQ4R strategy on oral reading comprehension among Grade 4 learners. *European Modern Studies Journal*, 9(2), 130–144. [https://doi.org/10.59573/emsj.9\(2\).2025.11](https://doi.org/10.59573/emsj.9(2).2025.11)
- Christian Dharu, N. N., & Trisnantari, H. E. (2022). Strategi Pembelajaran

pada Kemampuan Membaca Pemahaman Siswa Sekolah Dasar Negeri 3 Jabalsari. *Arus Jurnal Pendidikan*, 2(2), 124–137. <https://doi.org/10.57250/ajup.v2i2.79>

Dalman. (2020). *Keterampilan Membaca*. Raja Grafindo Persada.

Duke, N. K., & Cartwright, K. B. (2021). The Science of Reading Progresses: *Communicating Advances Beyond the Simple View of Reading*. *Reading Research Quarterly*, 56(S1), S25-S44.

Duke, N. K., & Cartwright, K. B. (2022). Informational text literacy for primary students. *Educational Researcher*, 51(2), 125–137.

Dong, Y., Wu, S. X. Y., Dong, W. Y., & Tang, Y. (2020). *The effects of home literacy environment on children's reading comprehension development: A meta-analysis*. *Educational Sciences: Theory and Practice*, 20(2), 63–82.

Effendi, M., Ramadhan, A., & Suryani, L. (2021). Pengembangan Lembar Kerja Peserta Didik (LKPD) untuk meningkatkan keterampilan membaca pemahaman siswa. *Jurnal Pendidikan Bahasa dan Sastra*, 11(2), 134–142.

El-Sabagh, H. A., et al. (2021). *Adaptive e-learning environment based on learning styles and its impact on students' engagement*. *International Journal of Educational Technology in Higher Education*, 18, Article 53.

Fang, Z. (2022). *Linguistic features of scientific explanation texts: Implications for teaching*. *Linguistics and Education*, 68, 101019.

Fitri, D. A., Ummamy, R., Ilahi, P. W., Wulandary, M., & Azmi, M. (2022). *Student Worksheets Based Liveworksheets Discovery Learning Model in Thematic Teaching in Elementary School*. *International Journal of Education, Business, Information Technology, and Innovation of Technology and Science*, 2(1), 14–21. <https://doi.org/10.54482/IJEBIITS/vol02-iss1/5>

Fitriani, N. (2022). Pengembangan e-LKPD berbasis Android dengan model pembelajaran *Problem Based Learning* (PBL) untuk meningkatkan berpikir kritis. Universitas Muhammadiyah Metro.

Hake, R. R. (1999). *Analyzing Change/Gain Scores*. Unpublished manuscript, Indiana University. Retrieved from <http://www.physics.indiana.edu/~sdi/AnalyzingChange-Gain.pdf>

Ho, S. C., Tan, L. Y., & Lim, W. H. (2023). *Integrating Liveworksheets in interactive digital learning environments to enhance student engagement*. *International Journal of Emerging Technologies in Learning(iJET)*,18(5),112–124.  
<https://doi.org/10.3991/ijet.v18i05.34567>

Hoover, Wesley. (2023). *The simple view of reading and its broad types of reading difficulties*. *Reading and Writing*.37.2277-2298.  
10.1007/s11145-023-10471

Hwang, J. C., Chen, P. L., & Kuo, Y. T. (2022). *Using Liveworksheets in flipped classroom settings for elementary students*. *Education and Information Technologies*, 27(8), 10245–10259.  
<https://doi.org/10.1007/s10639-022-11054-3>

Humphrey, S., & Feez, S. (2021). *Grammar and meaning: An introduction to systemic functional linguistics*. Cambridge University Press.

Indaryanti, R. B., Harsono, H., Sutama, S., Murtiyasa, B., & Soemardjoko, B. (2025). *4D research and development model: Trends, challenges, and opportunities review*. *Jurnal Kajian Ilmiah*, 25(1), 91–98.  
<https://doi.org/10.31599/jki.v20i1.73>

Isik, Ayse Derya. (2022). *Reading Environment and Fluent Reading Skills*. *Pedagogical Research*8(1):1–9. doi: 10.29333/pr/12723

Ilhami, A. (2022). Analisis perkembangan kognitif peserta didik usia operasional konkret dalam pembelajaran Bahasa Indonesia. *Jurnal Pendas*, 9(2), 112–120.

Insan, Rahmah Wati Anzani & Intan Khairul. (2020). Perkembangan Sosial Emosi Pada Anak Usia Prasekolah. *Jurnal Pendidikan Dan Dakwah*2, no. 2 : 180–193.

Kemala, S., Yuliani, R., & Putri, A. (2021). Penerapan Strategi PQ4R dalam Pembelajaran Membaca untuk Meningkatkan Hasil Belajar Siswa SD. *Jurnal Riset Pembelajaran Bahasa Indonesia*, 3(2), 78–86.

Khaerawati, Z., Nurhasanah, N., & Oktaviyanti, I. (2023). Level kemampuan membaca siswa sekolah dasar di kelas tinggi. *Jurnal Educatio FKIP UNMA*, 9(2), 637-643.

Khanolainen, D., M. Psyridou, G. Silinskas, M. Lerkkanen, P. Niemi, A. M. Poikkeus, and M. Torppa. (2020). *Longitudinal Effects of the Home Learning Environment and Parental Difficulties on*

*Reading and Math Development across Grades 1–9. Frontiers in Psychology*

- Khastini, R.O., Rohmah, W.S., & Sahida, A.N. (2023). *The Effectiveness of the e-Student Worksheets to Improve Students' Learning Outcomes and Critical Thinking Skills on Digestive System Concepts. International Journal of Biology Education Towards Sustainable Development.*
- Kim, Y.-S. G. (2021). *The role of vocabulary and text structure knowledge in elementary students' reading comprehension. Reading and Writing, 34(3), 715–737.* <https://doi.org/10.1007/s11145-020-10078-2>
- Kirsch, C., & Guthrie, J. T. (2022). *Engaging readers: How motivation and strategy use predict reading comprehension in elementary school. Journal of Educational Psychology, 114(5), 1023–1038.*
- Ladamay, I., Kumala, F. N., Susanti, R. H., Ulfatin, N., Wiyono, B. B., & Rahayu, S. (2021). *Designing and analysing electronic student worksheet based on Kvisoft Flip Book Maker for elementary school student. IOP Conference Series: Materials Science and Engineering, 1098(3), 032028.*
- Laksana, D. N. L., Lawe, Y. U., Ripo, F., Bolo, M. O., & Dua, T. D. (2020). *Lembar Kerja Siswa Berbasis Budaya Lokal Ngada Untuk Pembelajaran Tematik Siswa Sekolah Dasar. Jurnal Pendidikan Dasar Nusantara, 5(2), 227–241.* <https://doi.org/10.29407/jpdn.v5i2.13903>
- Lowien, N., Thomas, D.P. (2025) *Multimodal reading interpretation: reading the world-reading the text. AJLL 48, 141–160.* <https://doi.org/10.1007/s44020-025-00080-2>
- Mayer, R. E. (2009). *Multimedia learning* (2nd ed.). Cambridge University Press.
- Maulidiya, A., & Mercuriani, I. S. (2023). *Development of Problem Based Learning Worksheets on Class XI Body Defense System Material to Improve Science Literacy. Jurnal Pendidikan Sains Indonesia, 11(2), 251–264.* <https://doi.org/10.24815/jpsi.v11i2.27679>
- Maguet, M. L., Morrison, T. G., Wilcox, B., & Billen, M. T. (2021).

*Improving children's reading comprehension by teaching inferences. Reading Psychology, 42(3), 264-280.*  
<https://doi.org/10.1080/02702711.2021.1888351>

Manzano, J. M. (2025). *Enhancing teacher education through the 4D model: Development and evaluation of a field study workbook. South Asian Journal of Social Studies and Economics.*  
<https://journalsajsse.com/index.php/SAJSSE/article/view/1194>

Mariyana, M., Syahri, W., & Haryanto, H. (2023). *Based E-LKPD development based problem based learning to improve students' creative thinking skills on acid-base material. jurnal Pendidikan Kimia, 15(2), 163-169.*<https://doi.org/10.24114/jpkim.v15i2.48264>

Maryani, S., Nurjanah, E., Oktaviani, L., & Yulianti, N. (2024). Analisis literasi membaca siswa kelas V SDN Pasir Muncang. *Jurnal Evaluasi Pendidikan, 15(1), 34-45.*

Mendoza-Pinargote, R. L., & Reyes-Meza, O. B. (2022). *Language learning in the reading comprehension of elementary school students. International Journal of Social Sciences, 5(2), 124-130.*  
<https://doi.org/10.21744/ijss.v5n2.1900>

Monalisa, I., Suntari, Y., & EW, E. D. (2024). Pengaruh Media Pembelajaran Digital terhadap Keterampilan Membaca Pemahaman Siswa Sekolah Dasar. *Jurnal Basicedu, 8(3), 1953-1963.*  
<https://doi.org/10.31004/basicedu.v8i3.7602>

Moleong, L. J. (2018). *Metodologi penelitian kualitatif* (Edisi revisi). Bandung: PT Remaja Rosdakarya

Mogas Recalde, J., & Palau, R. (2020). *Classroom lighting and its effect on student learning and performance: Towards smarter conditions.* In *Smart Learning with Educational AI* (pp. 3-20). Springer.  
[https://doi.org/10.1007/978-981-15-7383-5\\_1](https://doi.org/10.1007/978-981-15-7383-5_1)

Nurdin, S., & Adriantoni, A. (2016). *Profesionalisme Guru dalam Pengelolaan Pembelajaran.* Rajawali Pers.

Nadia, D. O., & Suhaili, N. (2023). Peran interaksi sosial dalam perkembangan emosional anak sekolah dasar. *Pendas: Jurnal Ilmiah Pendidikan Dasar, 8(1), 1-12.*<https://doi.org/10.23969/jp.v8i1.8137>

Nussbaum, E. M. (2021). *Argumentation in education: Research, theory, and practice.* Routledge

- Nofa, H. P. D., Purwati, P. D., & Sabilillah, N. S. (2025). *Flipbook Literacy Narrative Local Wisdom Palembang Assisted by PQ4R Method in Reading Comprehension of Students*. *Journal of Educational Research and Evaluation*, 9(3), 559–569. <https://doi.org/10.23887/jere.v9i3.90262>
- Nuraini, A. J., Salsabila, I., Faturrohman, R., Sismita, S., & Fajariyanti, N. (2023). Implementasi Model 4D dalam Pengembangan Video Animasi Pembelajaran Berbantuan Powtoon. *KOSMOLOGI: Jurnal Pendidikan IPA dan Sains*, 3(2), 112–120. <https://jurnal.untirta.ac.id/index.php/kosmologi/article/view/26450>
- Nurgiyantoro, B. (2021). *Penilaian Pembelajaran Bahasa Berbasis Kompetensi*. BPFE.
- Oakhill, J., & Cain, K. (2021). *Improving reading comprehension in children: Evidence-based approaches*. Routledge.
- Oo, Tun Zaw, and Anita Habók. (2022). *Reflection-Based Questioning: Aspects Affecting Myanmar Students' Reading Comprehension*. *Heliyon*8(7). doi: 10.1016/j.heliyon.2022.e09864.
- Orellana, G., Santos, R., & Malik, A. (2024). *Reading Comprehension and Academic Achievement: A Correlational Study*. *Educational Psychology Review*, 36(1), 101–118.
- Prastowo, A. (2016). *Panduan Kreatif Membuat Bahan Ajar Inovatif*. Diva Press.
- Pratiwi, H., & Ramadhani, R. (2023). *Development of digital worksheet (e-LKPD) to enhance reading comprehension skills of elementary students*. *Journal of Elementary Education*, 13(1), 45–58.
- Puspitasari, D., Sari, R., & Kurniawan, A. (2021). *Active reading strategies to improve upper elementary students' comprehension skills*. *Jurnal Pendidikan Dasar Nusantara*, 7(2), 112–123.
- Pelusa Orellana, Mónica Silva, Vicente Iglesias (2024). *Students' reading comprehension level and reading demands in teacher education programs: the elephant in the room?* *Frontiers in Psychology*, Vol. 15, 1324055. DOI: 10.3389/fpsyg.2024.1324055.
- Putri, N. A., & Hartono, B. (2023). *The implementation of Liveworksheet in teaching capital letters for elementary school*. *Journal of Elementary Education Research*, 5(2), 88–97.

- Rahmawati, S. A., Hidayati, N., & Arifin, M. (2023). *Students' local wisdom-based e-worksheets assisted with Liveworksheets for hybrid learning*. *International Journal of Research and Review*, 10(1), 115–123. ERIC. <https://eric.ed.gov/?id=ED671609>
- Ramadhani, D. S., & Gularso, D. (2025). *Development of an E-Worksheet Supported by Liveworksheet and Wordwall to Improve Elementary Students' Cognitive Competence on the Topic of Natural Features*. *The Indonesian Journal of Social Studies*, 8(1), 12–22.
- Rahardjanto, A., & Husamah, H. (2022). *The role of research and development (R&D) in educational innovation*. *Journal of Research and Development in Education (RaDEn)*, 2(2), 80–90. <https://doi.org/10.22219/raden.v2i2.23220>
- Rahmayani, R. D., & Atmazaki. (2025). *Development of Interactive E-LKPD Based on Live-Worksheets for Reading and Viewing Skills*. *Al-Ishlah: Jurnal Pendidikan*, 17(1), 6451. <https://doi.org/10.35445/alishlah.v17i1.6451>
- Rahmi, H. (2023). *Validity and practicality of online learner worksheets based on students' mathematical problem solving ability*. *Journal of Development and Innovation in Mathematics Education*, 1(1), 1–10. <https://doi.org/10.32939/jdime.v1i1.2312>
- Rico-Juan, Juan Ramón, Beatriz Peña-Acuña, and Oscar Navarro-Martinez. (2024). *Holistic Exploration of Reading Comprehension Skills, Technology and Socioeconomic Factors in Spanish Teenagers*. *Heliyon*10(12). doi: 10.1016/j.heliyon.2024.e3263
- Riani, N., Ngatman, & Suryandari, K. C. (2021). Analisis kemampuan membaca pemahaman pada mata pelajaran Bahasa Indonesia siswa kelas V SD Negeri 6 Jatisari, Kabupaten Cilacap tahun pelajaran 2020/2021. *Jurnal Kajian Pendidikan Dasar*, 6(2), 134–143.
- Riduwan. (2015). *Skala pengukuran variabel-variabel penelitian*. Bandung: Alfabeta.
- Rohmah, N., & Yuwono Nugroho, R. (2023). *Analysis of Students' Reading Comprehension Skills: An Overview of Indonesian Language Textbooks*. *Advances in Social Science, Education and Humanities Research* (3rd ICON-LLCE 2023). Atlantis Press.
- Rofi'a, N. A. (2023). Perkembangan kognitif siswa sekolah dasar dalam pembelajaran. *Jurnal Ilmiah Riset Sekolah*, 7(1), 33–41.

- Rose, D., & Martin, J. R. (2021). *Learning to write, reading to learn: Genre, knowledge and pedagogy in the Sydney School*. Equinox.
- Sabrini, A. T., Yulianti, D., Maulina, D., & Widodo, S. (2022). *Development of LKPD based on PQ4R strategy to improve students' creative thinking*. The International Journal of Social Sciences World, 4(2), 353–357. <https://doi.org/10.5281/zenodo.7504928>
- Sternberg, R. J., & Sternberg, K. (2022). *Cognitive psychology (8th ed.)*. Cengage.
- Saltari, S., Hamsa, A., & Aj, A. A. (2024). Pengaruh Metode PQ4R terhadap Kemampuan Membaca Pemahaman. Jurnal Onoma: Pendidikan, Bahasa, dan Sastra, 10(3), 2804–2809. <https://doi.org/10.30605/onoma.v10i3.2457>
- Saputra, R., & Diana, N. (2023). Pengembangan Bahan Ajar Berbasis PQ4R untuk Meningkatkan Literasi Membaca Siswa Sekolah Dasar. Jurnal Pendidikan Dasar Nusantara, 5(1), 55–66.
- Santrock, J. W. (2021). *Educational psychology (7th ed.)*. McGraw-Hill Education.
- Santos, C. M. (2023). *Improving reading comprehension skills in English for Grade 4 pupils through Microsoft Immersive Reader*. Asia Pacific Higher Education Research Journal (APHERJ), 10(1), 45–58. Philippine Normal University Research Portal. <https://po.pnuresearchportal.org/ejournal/index.php/apherj/article/view/3198>
- Shukla, A., Gupta, R., & Singh, P. (2023). *Reporting reliability, convergent and discriminant validity with structural equation modelling: A review and best-practice recommendations*. Asia Pacific Journal of Management Research and Innovation. <https://doi.org/10.1007/s10490-023-09871-y>
- Smith, R., Snow, P., Serry, T., & Hammond, L. (2021). *The Role of Background Knowledge in Reading Comprehension: A Critical Review*. Reading Psychology, 42(3), 214–240.
- Sudiati, S. (2023). *Discourse readability of Indonesian language textbooks for middle school and high school/vocational schools*. Diksi. 31, 2 (Sep.2023),224–232. DOI:<https://doi.org/10.21831/diksi.v31i2.64681>.
- Sugiyono. (2021). Metode Penelitian Pendidikan: Pendekatan Kuantitatif,

Kualitatif, dan R&D. Bandung: Alfabeta.

Suryaningsih, S., & Nurlita, R. (2021). Pentingnya lembar kerja peserta didik elektronik (E-LKPD) inovatif dalam proses pembelajaran abad 21. *Jurnal Pendidikan Indonesia (Japendi)*, 2(7), 1256–1268.

Syam, A., & Furwana, D. (2022). *The 4-D Model on the Development of English Learning Materials for Islamic Education Learners. Dinamika Ilmu*, 22(1), 17–39. [https://journal.uinsi.ac.id/index.php/dinamika\\_ilmu/article/view/4235](https://journal.uinsi.ac.id/index.php/dinamika_ilmu/article/view/4235)

Slavin, R. E. (2020). *Educational psychology: Theory and practice (13th*

Sari, D. N., & Ichsan, M. (2024). Analisis kesulitan membaca pemahaman siswa sekolah dasar berdasarkan perkembangan kognitif. *Jurnal Pendas*, 11(1), 45–56.

Setiana, L., & Eliasa, E. (2024). Perkembangan sosial-emosional anak usia sekolah dasar: Tinjauan psikologis dalam pembelajaran. *Jurnal JAHE (Journal of Applied Humanity Education)*, 5(1), 15–28.

Snow, C. E. (2021). *Understanding reading comprehension*. Guilford Press

Sripatmi., Azmi, S., Junaidi., Wulandari, N. P., & Lu'luilmaknun, U. (2021). *Media Pembelajaran Matematika SMP*. Lombok Tengah: Pusat Pengembangan Pendidikan dan Penelitian Indonesia.

Taboada Barber, A., Lutz Klauda, S., & Stapleton, L. M. (2020). *Cognition, engagement, and motivation as factors in the reading comprehension of Dual Language Learners and English Speakers: Unified or distinctive models? In Reading and Writing (Vol. 33, Issue 9). Springer Netherlands*. <https://doi.org/10.1007/s11145-020-10034-4>

Thiagarajan, S., Semmel, D. S., & Semmel, M. I. (1974). *Instructional Development for Training Teachers of Exceptional Children: A Sourcebook*. Bloomington, IN: Center for Innovation in Teaching the Handicapped (CITH).

Untung, R., & Andayani, S. (2023). Pengembangan E-LKPD sebagai bahan ajar digital untuk pembelajaran siswa sekolah dasar. *Jurnal Teknologi Pendidikan*, 15(2), 98–108.

Wardani, W. P., & Suniasih, N. W. (2022). E-LKPD Interaktif Berbasis

Kearifan Lokal pada Materi Aksara Bali Kelas V Sekolah Dasar.  
*Jurnal Mimbar Ilmu*, 27(3), 44586. Universitas Pendidikan Ganesha.

Widoyoko, E. P. (2012). *Teknik penyusunan instrumen penelitian*.  
Yogyakarta: Pustaka Pelajar.

Wertsch, J. V. (2020). *Vygotsky and the social formation of mind*. Harvard  
University Press.

Wang, J. (2020). *Digital reading and comprehension development in  
elementary school students*. *Technology, Knowledge and Learning*,  
25(4), 829–846.

Zhang, X., & See, B. H. (2023). *Effects of text structure instruction on  
reading comprehension among primary students: A meta-analysis*.  
*Educational Research Review*, 38, 100502.  
<https://doi.org/10.1016/j.edurev.2022.100502>

Zhao, A., Guo, Y., & Dinnesen, M. S. (2022). *The direct and indirect effects  
of language and cognitive skills on Chinese reading comprehension*.  
*Reading and Writing*, 35(3), 539–564.  
<https://doi.org/10.1007/s11145-021-10192-z>

