

REFERENCES

- Adipat, S., & Chotikapanich, R. (2022). Sustainable development goal 4: an education goal to achieve equitable quality education. *Academic Journal of Interdisciplinary Studies*, 11(6,174-183). <https://doi.org/10.36941/ajis-2022-0159>
- Ahmad, P. S., & Ma'rifatulloh, S. (2023). The effectiveness of using comic strips toward students' reading comprehension on narrative text. *ELT Worldwide. Journal of English Language Teaching*, 10(2), 276. <https://doi.org/10.26858/eltww.v10i2.50567>
- Ananda, V. N., Yudiana, K., & Ujianti, P. R. (2024). Feasibility of digital comic media in enhancing early reading skills for first-grade elementary school students. *Jurnal Edutech Undiksha*, 12(2). <https://doi.org/10.23887/jeu.v12i2.69140>
- Anggraeni, P. D. (2024). The effect of digital comics learning media in improving students' literacy. *Jurnal Profesi Keguruan*, 10(2), 168-177. <https://doi.org/10.15294/jpk.v10i2.7316>
- Ary, D., Jacobs, L. C., Razavieh, A., & Sorensen, C. K. (2009). *Introduction to research in education* (8th ed.). Cengage Learning. <https://shorturl.at/mPai8>
- Asmayawati, Y., Yufiarti, & Yetti, E. (2024). Pedagogical innovation and curricular adaptation in enhancing digital literacy: A local wisdom approach for sustainable development in Indonesia context. *Journal of Open Innovation: Technology, Market, and Complexity*, 10(1), 100233. <https://doi.org/10.1016/j.joitmc.2024.100233>
- Azizah, D. M. (2025). A literature review on the implementation and challenges of the language policy in teaching english to young learners. *Jurnal Ilmiah Pendidikan Citra Bakti*, 12(2), 549-560. <https://doi.org/10.38048/jipcb.v12i2.5360>
- Boeren, E. (2019). Understanding sustainable development goal (sdg) 4 on “quality education” from micro, meso and macro perspectives. *Int Rev Educ* 65, 277-294. <https://doi.org/10.1007/s11159-019-09772-7>

- Brown, J. D. (1995). *The Elements of Language Curriculum: A Systematic Approach to Program Development*. Heinle & Heinle Publishers, 20 Park Plaza, Boston, MA 02116. [ERIC - ED397672 - The Elements of Language Curriculum: A Systematic Approach to Program Development., 1995](https://eric.ed.gov/?id=ED397672)
- Brunfaut, T., Kormos, J., Michel, M., & Ratajczak, M. (2021). Testing young foreign language learners' reading comprehension: Exploring the effects of working memory, grade level, and reading task. *Language Testing*, 38(3), 356-377. <https://doi.org/10.1177/0265532221991480>
- Chaikovska, O. (2018). Benefits of teaching ESL through comic strips. *Web of Scholar*, 4(1), 8-11. <https://shorturl.at/7HlPa>
- Dara, D. (2019). Investigating English reading comprehension problems of Cambodian high school students. *American International Journal of Social Science*, 8(3), 65-72. <https://doi.org/10.30845/aijss.v8n3p8>
- Delgado, P., Vargas, C., Ackerman, R., & Salmerón, L. (2018). Don't throw away your printed books: A meta-analysis on the effects of reading media on reading comprehension. *Educational Research Review*, 25, 23-38. <https://doi.org/10.1016/j.edurev.2018.09.003>
- Dewantara, K. A. K., Artini, L. P., & Wahyuni, L. G. E. (2022). Reading related activities in english textbook and how the texts are exploited in the classroom. *Journal of Education Research and Evaluation*, 6(3), 439-448. <https://doi.org/10.23887/jere.v6i3.48583>
- Dewi, L. G. S., Jampel, I. N. ., & Wibawa, I. M. C. . (2023). Reading literacy comics: innovative learning media on the theme of energy and its changes. *International Journal of Elementary Education*, 7(3), 496-503. <https://doi.org/10.23887/ijee.v7i3.65314>
- Elleman, A. M. (2017). Examining the impact of inference instruction on the literal and inferential comprehension of skilled and less skilled readers: a meta-analytic review. *Journal of Educational Psychology*, 109(6), 761. <https://shorturl.at/iZCJ8>

- Febrianti, Y., Wulyani, A. N., & Lumbanbatu, I. M. F. (2023). Using digital books and comics in English teaching and learning activities. *KnE Social Sciences*, 318-327. <https://doi.org/10.18502/kss.v8i7.13260>
- Ferdiyanto, F. (2025). Exploring the effects of background knowledge on reading comprehension in efl learners. In *Proceedings of Annual International Conference On Religious Moderation* 2(1), 239-248. <https://shorturl.at/FXjVM>
- Fitri, M., Hasibuan, P. A., Nurzena, N., & Murny, M. (2023). The Use of Digital Comics on Students' Reading Comprehension of Narrative Texts. *Innovative: Journal Of Social Science Research*, 3(1), 263-270. Retrieved from <https://j-innovative.org/index.php/Innovative/article/view/2849>
- Franco, I. B., Chatterji, T., Derbyshire, E., & Tracey, J. (2019). *Actioning the global goals for local impact*. Springer: Berlin, Germany. <https://shorturl.at/OZp60>
- Gough, P. B., & Tunmer, W. E. (1986). Decoding, reading, and reading disability. *Remedial and Special Education*, 7(1), 6-10. <https://doi.org/10.1177/074193258600700104>
- Gregory, R. J. (2015). *Psychological testing: History, principles and applications* (7th ed., Global ed.). Pearson Education. [Psychological Testing History, Principles, and Applications](https://www.pearson.com/us/higher-education/product/psychological-testing-history-principles-and-applications-7th-edition-global-edition-r-j-gregory/9780209122165)
- Halamish, V., & Elbaz, E. (2020). Children's reading comprehension and metacomprehension on screen versus on paper. *Computers & Education*, 145, 103737. <https://doi.org/10.1016/j.compedu.2019.103737>
- Hopkins, C. A., Michelsen, G., Salóte, I., Siegmund, A., Wagner, D. A., Yokoi, A., Fischer, D., Kohl, K., Razak, D. A., & Tilleczeck, K. (2020). Sustainability as a purpose on the new path of learning for the future. In UNESCO (Ed.), *Humanistic futures of learning: Perspectives from UNESCO Chairs and UNITWIN Networks* (pp. 49-76). UNESCO. [https://books.google/Sustainability as a purpose on the new path of learning for the future](https://books.google/Sustainability%20as%20a%20purpose%20on%20the%20new%20path%20of%20learning%20for%20the%20future)
- Hutchinson, T., & Waters, A. (1987). *English for Specific Purposes: A Learning-Centred Approach*. Cambridge: Cambridge University Press. [English for Specific Purposes - Tom Hutchinson, Alan Waters - Google Buku](https://books.google.com/books?id=8v8vAAAAQAAJ)

- Kaban, L. A., & Karadeniz, S. (2021). Children's reading comprehension and motivation on screen versus on paper. *SAGE Open*, 11(1). <https://doi.org/10.1177/2158244020988849>
- Kadoli, N. I., Husain, R., Pulukadang, W. T., Katili, S., & Husain, R. I. (2025). Meningkatkan kemampuan membaca permulaan melalui media e-book pada siswa kelas ii sekolah dasar. *EDUTECH : Jurnal Inovasi Pendidikan Berbantuan Teknologi*, 5(1), 137-143. <https://doi.org/10.51878/edutech.v5i1.4765>
- Karlimah, K., Hamdu, G., Pratiwi, V., Herdiansah, H., & Kurniawan, D. (2021, July). The development of motion comic storyboard based on digital literacy and elementary school mathematics ability in the new normal era during covid-19 pandemic. In *Journal of Physics: Conference Series* (Vol. 1987, No. 1, p. 012026). IOP Publishing. <https://doi.org/10.1088/1742-6596/1987/1/012026>
- Khoirunisa, F. S., & Sukardi, S. (2025). Development of educational pocket comics (komikusi) as learning media to improve reading comprehension skills of class iv b students of sdn harjosari lor 03. *KEMBARA: Jurnal Keilmuan Bahasa, Sastra, Dan Pengajarannya*, 11(1), 469-486. <https://doi.org/10.22219/kembara.v11i1.32672>
- Kintsch, W. (1998). *Comprehension: a paradigm for cognition*. Cambridge, MA: Cambridge university press. [Comprehension: A Paradigm for Cognition - Walter Kintsch - Google Buku](#)
- Küfeoğlu, S. (2022). *SDG-4 Quality Education*. In: Emerging Technologies . Sustainable Development Goals Series. Springer, Cham. https://doi.org/10.1007/978-3-031-07127-0_6
- Kusmajid, Nani Solihati, & Siti Zulaiha. (2024). Digital comics based on local wisdom: an innovative approach to enhancing elementary school students' reading comprehension. *Jurnal Pedagogi Dan Pembelajaran*, 7(3), 504-510. <https://doi.org/10.23887/jp2.v7i3.90760>

- Lesia, E. S., Petrus, I., & Eryansyah, E. (2022). Teaching english for young learners in elementary school: perceptions and strategies. *International Journal of Elementary Education*, 6(1), 142-148. <https://doi.org/10.23887/ijee.v6i1.42013>
- Mahayanti, N. W. S., Artini, L., & Nur Jannah, I. A. (2017). The effect of big book as media on students' reading comprehension at fifth grade of elementary school. *International Journal of Language and Literature*, 1(3), 142–148. <https://doi.org/10.23887/ijll.v1i3.12544>
- Mahayanti, N. W. S., & Asrina, N. K. A. (2017). The implementation of Big Book as media to teach reading comprehension for the sixth grade students of elementary school. In *Proceedings of the 2nd International Conference on Innovative Research Across Disciplines (ICIRAD 2017)* (pp. 184–188). Atlantis Press. <https://doi.org/10.2991/icirad-17.2017.35>
- Mamun, A. S. (2023). The effect of using digital comic book on students' reading comprehension achievement in narrative text. In *Proceedings of the National Seminar on Literacy and Pedagogy* (pp. 168-178). Universitas Pancasakti Tegal. <https://semnas.upstegal.ac.id/index.php/srada/article/view/495>
- Mancilla-Martinez, J. (2020). Understanding and supporting literacy development among english learners: a deep dive into the role of language comprehension. *AERA Open*, 6(1). <https://doi.org/10.1177/2332858420912198>
- Marliana, L., & Subrata, H. (2023). Keefektifan penggunaan media komik digital dalam kemampuan membaca pemahaman siswa kelas iv sekolah dasar. *Jurnal Penelitian Pendidikan Guru Sekolah Dasar*, 11(6), 1274-1283.
- Mayer, R. E. (2002). Multimedia learning. In *Psychology of learning and motivation* (Vol. 41, pp. 85-139). Academic Press. [https://doi.org/10.1016/S0079-7421\(02\)80005-6](https://doi.org/10.1016/S0079-7421(02)80005-6)
- McCloud, S. (1993) *Understanding Comics: The Invisible Art* Northampton: Harper Collins. [Understanding Comics Toolkit.pub - Publisher](https://www.harpercollins.com/9780002316346/understanding-comics)
- Mekuo, H., & Budiarta, L. G. R. (2023). Using comic strips teaching materials in group work to improve reading comprehension of grade ninth. *Seaqil Journal of Language Education*, 2(1), 30-41. <https://doi.org/10.70046/sjle.2.1.30-41>

- Muhaimin, M. R., Ni'mah, N. U., & Listryanto, D. P. (2023). Peranan media pembelajaran komik terhadap kemampuan membaca siswa sekolah dasar. *Jurnal Pendidikan Dasar Flobamorata*, 4(1), 399-405.
- Nation, I. S. P., & Macalister, J. (2019). *Language curriculum design* (2nd ed.). Routledge. <https://doi.org/10.4324/9780429203763>
- Nishonova, K. (2024). The power of comics: fostering primary school pupils' interest in english lessons. *The American Journal of Social Science and Education Innovations*, 6(09), 80-83. <https://doi.org/10.37547/tajssei/Volume06Issue09-08>
- Nketsia, W., Opoku, M. P., Saloviita, T., & Tracey, D. (2020). Teacher educators' and teacher trainees' perspective on teacher training for sustainable development. *Journal of Teacher Education for Sustainability*, 22(1), 49-65. <https://doi.org/10.2478/jtes-2020-0005>
- Noordan, M. N. H. B., & Yunus, M. M. (2022). Using digital comprehension to improve reading comprehension skills among young learners. *International journal of academic research in progressive education and development*. 11(2), 727-748. <http://dx.doi.org/10.6007/IJARPED/v11-i2/13208>
- Nurkencana, W., & Sunartana, P. P. N. (1992). *Evaluasi hasil belajar*. Surabaya: Usaha Nasional. http://lib.unsub.ac.id/index.php?p=show_detail&id=538
- Oktavia, D., Mukminin, A., Marzulina, L., Harto, K., Erlina, D., & Holandyah, M. (2022). Challenges and strategies used by english teachers in teaching english language skills to young learners. *Theory and Practice in Language Studies*, 12(2), 382-387. <https://doi.org/10.17507/tpls.1202.22>
- Padmadewi, N. N., Artini, L. P., Ratminingsih, N. M., & Trika Adi Ana, I. K. (2023). Elementary School Teachers' Readiness in Teaching Technology-based Literacy. *International Journal of Elementary Education*, 7(2), 299–310. <https://doi.org/10.23887/ijee.v7i2.61675>
- Panjaitan, T. R., Samodra, J., & Sutrisno, A. . (2022). Mastri: komik digital untuk memotivasi remaja dalam optimalisasi manajemen waktu. *Journal of Language*

Literature and Arts, 2(12), 1780-1796.
<https://doi.org/10.17977/um064v2i122022p1780-1796>

Pitaloka, N. P. R. C., Suprianti, G. A. P., & Wahyuni, L. G. E. (2024). Improving the use of learning media through the development of e-storybooks for fifth-grade students. *Journal of Education Technology*, 8(3), 484-493.
<https://doi.org/10.23887/jet.v8i3.81100>

Putra, C. A., Permadi, A. S., & Fitriyanto, M. N. (2024). The interactive e-comic development: transforming english language learning that encourages the growth of digital literacy. *Journal of Vocational Education and Educational Technology Innovations*, 1(1), 13-19. <https://doi.org/10.70074/jveti.v1i1.29>

Putri, A. A., & Sukasih, S. (2025). Development of digital comics to improve reading comprehension and self-efficacy of grade V students. *JINoP (Jurnal Inovasi Pembelajaran)*, 11(1), 88-99. <https://doi.org/10.22219/jinop.v11i1.38194>

Rad, D., Redeş, A., Roman, A., Ignat, S., Lile, R., Demeter, E., & Rad, G. (2022). Pathways to inclusive and equitable quality early childhood education for achieving SDG4 goal a scoping review. *Frontiers in psychology*, 13, 955833. <https://doi.org/10.3389/fpsyg.2022.955833>

Ramadhan, M. N. P. (2023). The role of sdg 4: quality education on the internationalization of indonesia's education. *Hasanuddin Journal of Strategic and International Studies (HJSIS)*, 1(2), 39-51.
<https://doi.org/10.20956/hjsis.v1i2.27442>

Ramadhianti, A., & Somba, S. (2023). Reading comprehension difficulties in indonesian efl students. *Journal of English Language Teaching and Literature (JELTL)*, 6(1), 1-11. <https://doi.org/10.47080/jeltl.v6i1.2477>

Ratminingsih, N. M., Artini, L. P., Santosa, M. H., & Adnyani, L. D. S. (2021). *Pembelajaran bahasa Inggris untuk anak abad 21*. PT. Raja Grafindo Persada-Rajawali Pers. [Pembelajaran Bahasa Inggris untuk Anak Abad 21 - Ni Made Ratminingsih, Luh Putu Artini, Made Hery Santosa, Luh Diah Surya Adnyani - Google Buku](https://www.google.com/books/author/Ni+Made+Ratminingsih)

- Ratminingsih, N. M., & Budasi, I. G. (2018). Local culture-based picture storybooks for teaching English for young learners. In *SHS Web of Conferences* (Vol. 42, p. 00016). EDP Sciences. <https://doi.org/10.1051/shsconf/20184200016>
- Richards, J. C. (2001). *Curriculum development in language teaching*. Cambridge university press. [Curriculum Development in Language Teaching - Jack C. Richards - Google Buku](#)
- Richey, R. C., & Klein, J. D. (2007). Design and development research. In *Handbook of research on educational communications and technology* (pp. 141-150): Springer. https://doi.org/10.1007/978-1-4614-3185-5_12
- Royce, T. D. (2015). Intersemiotic complementarity in legal cartoons: An ideational multimodal analysis. *International Journal for the Semiotics of Law-Revue internationale de Sémiotique juridique*, 28(4), 719-744. <https://tinyurl.com/5b4ww93w>
- Roza, A. S., Dewi, A. F., & Wahyuni, S. (2024). Digital-Based Learning Evaluation Model for High School Students. *Jurnal Paedagogy*, 11(4), 727-736. <https://doi.org/10.33394/jp.v11i4.12826>
- Rulandari, N. (2021). Study of sustainable development goals (SDGS) quality education in indonesia in the first three years. *Budapest International Research and Critics Institute (BIRCI-Journal): Humanities and Social Sciences*, 4(2), 2702-2708. <https://doi.org/10.33258/birci.v4i2.1978>
- Saini, M., Sengupta, E., Singh, M., Singh, H., & Singh, J. (2023). Sustainable development goal for quality education (sdg 4): a study on sdg 4 to extract the pattern of association among the indicators of sdg 4 employing a genetic algorithm. *Education and Information Technologies*, 28, 2031-2069. <https://doi.org/10.1007/s10639-022-11265-4>
- Savitri, F., & Zaitun, Z. (2024). The utilization of webtoon digital comic in reading comprehension: what ere the perceptions of the students?. *Jurnal Pendidikan dan Pembelajaran Khatulistiwa (JPPK)*, 13(12), 2546-2552. <https://doi.org/10.26418/jppk.v13i12.71650>

- Siahaan, R. L. M., Arianti, J., & Thalib, N. (2023). Perkembangan pendidikan berkualitas di indonesia: Sdgs 4. *Indo-MathEdu Intellectuals Journal*, 4 (2), 975-985. <http://doi.org/10.54373/imeij.v4i2.316>.
- 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. <https://doi.org/10.1080/02702711.2021.1888348>
- Snow, C. (2002). *Reading for understanding: toward an r&d program in reading comprehension*. Santa monica, CA: Rand Corporation. [Reading for Understanding: Toward an R&D Program in Reading Comprehension - Catherine Snow - Google Buku](#)
- Sugiyono. (2013). *Metode penelitian pendidikan: Pendekatan kuantitatif, kualitatif, dan R&D*. Alfabeta. [Metode Penelitian Pendidikan Pendekatan Kuantitatif, Kualitatif dan R&D | Perpustakaan Universitas Gresik](#)
- Sullivan, A., & Brown, M. (2013). *Social inequalities in cognitive scores at age 16: The role of reading* (Working paper). Centre for Longitudinal Studies, Institute of Education, University of London. <https://discovery.ucl.ac.uk/id/eprint/1473708>
- Surya, A., Poerwanti, J. I. S., & Sriyanto, M. I. (2020). The effectiveness of the use of digital-based educational comic media in improving reading interest in elementary school students. In *3rd International Conference on Learning Innovation and Quality Education (ICLIQE 2019)* (pp. 411-415). Atlantis Press. <https://doi.org/10.2991/assehr.k.200129.052>
- Sweller, J. (1994). Cognitive load theory, learning difficulty, and instructional design. *Learning and instruction*, 4(4), 295-312. [https://doi.org/10.1016/0959-4752\(94\)90003-5](https://doi.org/10.1016/0959-4752(94)90003-5)
- Terry, G., Hayfield, N., Clarke, V., & Braun, V. (2017). *Thematic analysis*. The SAGE handbook of qualitative research in psychology. 2(17-37), 25. [The SAGE Handbook of Qualitative Research in Psychology - Google Buku](#)
- Uçak, G., & Kartal, G. (2022). Scaffolding design to increase reading comprehension for learners of English through online strategy training. *E-Learning and Digital Media*, 20(4), 402-423. <https://doi.org/10.1177/20427530221111268>

- Utami, M., Martha, A., & Ismira, I. (2025). Digital comic media design using Canva to improve elementary school students' reading comprehension skills. *Indonesian Journal of Innovation Studies*, 26(3), 1–12. <https://doi.org/10.21070/ijins.v26i3.1460>
- Vygotsky, L. S. (1978). *Mind in society: The development of higher psychological processes* (Vol. 86). Harvard university press. [Mind in Society: Development of Higher Psychological Processes - L. S. Vygotsky, Michael Cole - Google Buku](#)
- Wijaya, E. A., Suwastini, N. K. A., Adnyani, N. L. P. S., & Adnyani, K. E. K. (2021). Comic strips for language teaching: the benefits and challenges according to recent research. *Eternal (English, Teaching, Learning, and Research Journal)*, 7(1), 230-248. <https://doi.org/10.24252/Eternal.V71.2021.A16>
- Wijaya, V. M. (2025). The Impact of Digital Comic Strip in the 4th Grade Young Learners' Reading Comprehension in Singaraja. *International Journal of Digital Learning on Languages and Arts (IJODLLA)*, 2(1), 1-7. <https://doi.org/10.23887/ijodlla.v2i1.96984>
- Winarti, D. A., & Kusuma, I. P. I. (2024). Leveraging the activity of reading using Line Webtoon: its effect on efl students' vocabulary development. *Lingua Scientia*, 143-153. [https://article/Leveraging the activity of reading using Line Webtoon: its effect on efl students' vocabulary development](https://article/Leveraging%20the%20activity%20of%20reading%20using%20Line%20Webtoon%3A%20its%20effect%20on%20efl%20students%27%20vocabulary%20development)
- Wulandari, D., Rejekiningsih, T., & Santosa, E. B. (2023). Analysis of the needs for using digital comics with local wisdom to increase reading literacy in elementary school students. In *Social, Humanities, and Educational Studies (SHES): Conference Series* (Vol. 6, No. 2, pp. 100-106). <https://doi.org/10.20961/shes.v6i2.79892>
- Wulandari, N. L. P. T., Ratminingsih, N. M., & Ramendra, D. P. (2020). Strategies implemented in teaching english for young learners in primary school. *Journal of Education Research and Evaluation*, 4(3), 227-233. <https://doi.org/10.23887/jere.v4i3.26228>

Wulandari, N. S., & Widodo, S. T. (2024). Enhancing elementary learning with Webtoon-based digital comics. *Research and Development in Education (RaDEn)*, 4(1), 465-482. <https://doi.org/10.22219/raden.v4i1.32608>

