DAFTAR PUSTAKA

Aisyah, R., Zakiyah, I., Ch, I., & Ramdhani, M. (2017). Learning Crude Oil by Using Scientific Literacy Comics. *Journal of Physics: Conference Series*, *895*, 012011. https://doi.org/10.1088/1742-6596/895/1/012011

Artha, R. S., Suryana, D., & Mayar, F. (2020). E-Comic: Media for Understanding Flood Disaster Mitigation in Early Childhood Education. *JPUD - Jurnal Pendidikan Usia Dini*, *14*(2), 341–351. https://doi.org/10.21009/jpud.142.12

Bauer, K. L., & Dettore, E. (1997). Superhero Play: What's a Teacher to Do? *Early Childhood Education Journal*, *25*(1), 17–21. https://doi.org/10.1023/A:1025677730004

Bergen, D. (1998). *Readings from...Play as a Medium for Learning and Development* (A. W. Bauer, Ed.). Association for Childhood Education International.

Bokulich, A., & Oreskes, N. (2017). Models in the Geosciences. In L. Magnani & T. W. Bertolotti (Eds.), *Springer Handbook of Model-Based Science*. Springer.

Branch, R. (2010). Instructional design: The ADDIE approach. In *Instructional Design: The ADDIE Approach*. https://doi.org/10.1007/978-0-387-09506-6

Brosch, T., & Steg, L. (2021). Leveraging emotion for sustainable action. *One Earth*, *4*(12), 1693–1703. https://doi.org/https://doi.org/10.1016/j.oneear.2021.11.006

Broström, S., & Frøkjær, T. (2019). Developing a Pedagogy of Education for Sustainable Futures: Experiences and Observations from Danish Preschools. *ECNU Review of Education*, *2*(4), 475–496. https://doi.org/10.1177/2096531119893306

Brown, R. N., Oke, F. E., & Brown, D. P. (1982). *Curriculum and Instruction: an Introduction to Methods of Teaching*. Macmillan Publishers Ltd.

Burkholder, E. O., & Peláez, M. (2000). A behavioral interpretation of Vygotsky's theory of thought, language, and culture. *Behavioral Development Bulletin*, *9*(1), 7–9. https://doi.org/10.1037/h0100530

Campbell, C., & Speldewinde, C. (2022). Early Childhood STEM Education for Sustainable Development. *Sustainability (Switzerland)*, *14*(6). https://doi.org/10.3390/su14063524

Charlesworth, R. (2016). *Math and Science for Young Children* (8th ed.). Cengage Learning.

Chawla, L. (1988). CHILDREN'S CONCERN FOR THE NATURAL ENVIRONMENT. *Children's Environments Quarterly*, *5*(3), 13–20. http://www.jstor.org/stable/41514681

Christina, L., Ginting, B., & Ismaniati, C. (2019). *Comics to Learn Characters of Care and Responsibility in Children*.

Chute, H. (2008). Comic as Literature? Reading Graphic Narrative. *PMLA*, *123*(2), 452–465. https://www.jstor.org/stable/25501865

Clark, R. E. (2001). Educational Media. In N. J. Smelser & P. B. Baltes (Eds.), *International Encyclopedia of the Social & Behavioral Sciences* (pp. 4279–4283). Pergamon. https://doi.org/https://doi.org/10.1016/B0-08-043076-7/02335-4

Creswell, J. W., & Creswell, J. D. (2018). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches* (H. Salmon, C. Neve, M. O'Heffernan, & D. C. Felts, Eds.; 5th ed.). SAGE Publication.

Dani, D. (2008). Scientific Literacy and Purposes for Teaching Science: A Case Study of Lebanese Private School Teachers. *International Journal of Environmental and Science Education*, *4*.

Dewey, J. (1916). *Democracy and Education*.

Eckhoff, A. (2017). Partners in Inquiry: A Collaborative Life Science Investigation with Preservice Teachers and Kindergarten Students. *Early Childhood Education Journal*, *45*(2), 219–227. https://doi.org/10.1007/s10643-015-0769-3

Einstein, A., & Infeld, L. (1938). *The Evolution of Physics*. Simon & Schuster, Inc.

Eshach, H. (2006). *SCIENCE LITERACY IN PRIMARY SCHOOLS AND PRE-SCHOOLS* (K. C. Cohen, Ed.; Vol. 1). Springer.

Fajriani, Fadlly, T. A., & Harmawan, T. (2020). Prediksi Penurunan Muka Tanah Melalui Pendugaan Potensi Iar Tanah Menggunakan Self-Potential. *Jurnal Fisika Dan Pembelajarannya (PHYDAGOGIC)*, *2*(2).

Fitri, R. A., & Hadiyanto. (2022). Kepedulian Lingkungan melalui Literasi Lingkungan pada Anak Usia Dini. *Jurnal Obsesi : Jurnal Pendidikan Anak Usia Dini*, *6*(6), 6690–6700.

Fleer, M. (2009). Understanding the Dialectical Relations Between Everyday Concepts and Scientific Concepts Within Play-Based Programs. *Research in Science Education*, *39*(2), 281–306. https://doi.org/10.1007/s11165-008-9085-x

Fleer, M. (2019). Scientific Playworlds: a Model of Teaching Science in Play-Based Settings. *Research in Science Education*, *49*(5), 1257–1278. https://doi.org/10.1007/s11165-017-9653-z

Fragkiadaki, G., & Ravanis, K. (2016). Cloud as Natural Entities in Preschool Children's Thought. *Education Journal of the Univerisity of Patras UNESCO Chair*, *3*(2), 114–128.

Frejd, J. (2021). When Children Do Science: Collaborative Interactions in Preschoolers' Discussions About Animal Diversity. *Research in Science Education*, *51*(1), 21–42. https://doi.org/10.1007/s11165-019-9822-3

Giampieri-Deutsch, P. (2012). Perception, conscious and unconscious processes. In F. G. Barth, P. Giampieri-Deutsch, & H.-D. Klein (Eds.), *Sensory Perception: Mind and Matter* (pp. 245–264). Springer Vienna. https://doi.org/10.1007/978-3-211-99751-2_14

Gray, C., & MacBlain, S. (2012). *Learning Theories in Childhood*. SAGE Publications Ltd.

Gropen, J., Kook, J. F., Hoisington, C., & Clark-Chiarelli, N. (2017). Foundations of Science Literacy: Efficacy of a Preschool Professional Development Program in Science on Classroom Instruction, Teachers' Pedagogical Content Knowledge, and Children's Observations and

Predictions. *Early Education and Development*, *28*(5), 607–631. https://doi.org/10.1080/10409289.2017.1279527

Grøver, V., Snow, C. E., Evans, L., & Strømme, H. (2023). Overlooked advantages of interactive book reading in early childhood? A systematic review and research agenda. *Acta Psychologica*, *239*, 103997. https://doi.org/https://doi.org/10.1016/j.actpsy.2023.103997

Guldenoglu, B. N. D. (2020). The Children's Book Selection Criteria : Evidence from Preschool and Primary School Teachers. *Educational Research and Reviews*, *15*(11), 645–661.

Gunning, T. G. (2005). *Closing the Literacy Gap* (1st ed.). Allyn & Bacon.

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

Hapidin, H., Gunarti, W., Pujianti, Y., & Suharti, S. (2023). Penerapan Model Pembelajaran Proyek Bermuatan Konten STEAM melalui Media Komik dalam Implementasi Kurikulum Merdeka di Satuan PAUD. *Jurnal Abdimas Prakasa Dakara*, *3*, 126–133. https://doi.org/10.37640/japd.v3i2.1781

Hapidin, H., Siti Syarah, E., Pujianti, Y., & Gunarti, W. (2022). Instilling Children's Ocean Literacy Through Comic Media: STEAM to R-SLAMET Learning Design for ECE educators. *JPUD - Jurnal Pendidikan Usia Dini*, *16*, 1–16. https://doi.org/10.21009/JPUD.161.01

Hapidin, H., & YENINA, Y. (2016). PENGEMBANGAN MODEL PERMAINAN TRADISIONAL DALAM MEMBANGUN KARAKTER ANAK USIA DINI. *JPUD - Jurnal Pendidikan Usia Dini*, *10*, 201–212. https://doi.org/10.21009/JPUD.102.01

Heggen, M. P. (2019). *Children as eco-citizens?*

Hungerford, H. R., & Volk, T. L. (1990). Changing Learner Behavior Through Environmental Education. *The Journal of Environmental Education*, *21*(3), 8–21. https://doi.org/10.1080/00958964.1990.10753743

Ismail, H., Albaree Abdul, M., & Abdul Aziz, dan. (2020). COMICS AND CHILDREN'S LITERACY SKILLS: A FOCUS GROUP ANALYSIS FROM PRESCHOOL TEACHER'S PERSPECTIVE. In *Journal Of Archaeology Of Egypt/Egyptology* (Vol. 17, Issue 6).

Jackson, I. L., & Ackermann, E. (1992). *Science Literacy in Theory and Practice: A Sociocultural Analysis of Teacher Cognition in a Multicultural Setting*. Massachusetts Institute of Technology.

John-Steiner, V., & Mahn, H. (1996). Sociocultural Approaches to Learning and Development : A Vygotskian Framework. *Educational Psychologist*, *31*(3/4), 191–206.

Kalogiannakis, M., Nirgianaki, G. M., & Papadakis, S. (2018). Teaching Magnetism to Preschool Children: The Effectiveness of Picture Story Reading. *Early Childhood Education Journal*, *46*(5), 535–546. https://doi.org/10.1007/s10643-017-0884-4

Kementrian Lingkungan Hidup dan Kehutanan. (2020). *STATUS LINGKUNGAN HIDUP INDONESIA 2020*.

Kennedy, E., Dunphy, E., Dwyer, B., Hayes, G., McPhillips, T., Marsh, J., O'Connor, M., & Shiel, G. (2012). *Literacy in Early Childhood and Primary Education*.

Khotimah, H., Yulianto, B., & Laili, E. N. (2020). Psychological Types of Main Character and Influencing Factors on "A Caribbean Mystery" : Jung-Freud Theory. *Journal BASIS*, *7*, 395–404.

Kirsch, M. (2019). On the Abilities of Unconscious Freudian Motivational Drives to Evoke Conscious Emotions. *Frontiers in Psychology*, *10*. https://doi.org/10.3389/fpsyg.2019.00470

Lamminpää, J., Vesterinen, V. M., & Puutio, K. (2020). Draw-A-Science-Comic: exploring children's conceptions by drawing a comic about science. *Research in Science and Technological Education*. https://doi.org/10.1080/02635143.2020.1839405

Lanza, K., Alcazar, M., Chen, B., & Kohl, H. W. (2023). Connection to nature is associated with social-emotional learning of children. *Current Research*

in Ecological and Social Psychology, *4*, 100083. https://doi.org/https://doi.org/10.1016/j.cresp.2022.100083

Lazaroff, E., & Vlach, H. A. (2022). Children's science vocabulary uniquely predicts individual differences in science knowledge. *Journal of Experimental Child Psychology*, *221*, 105427. https://doi.org/https://doi.org/10.1016/j.jecp.2022.105427

Lindqvist, Gunilla. (1995). *The aesthetics of play : a didactic study of play and culture in preschools*. [Uppsala University].

Locke, S., Libarkin, J., & Chang, C.-Y. (2012). Geoscience Education and Global Development. *Journal of Geoscience Education*, *60*, 199–200.

McCloud, S. (1994). *Understanding Comic* (M. Martin, Ed.). Harper Collins.

Mindes, G. (2014). *Social Studies for Young Children* (Second). Rowman & Littlefield Education.

Mohd Arof, K., Ismail, S., & Saleh, A. L. (2018). Contractor's Performance Appraisal System in the Malaysian Construction Industry: Current Practice, Perception and Understanding. *International Journal of Engineering & Technology*, *7*, 46. https://doi.org/10.14419/ijet.v7i3.9.15272

Mol, S., Bus, A., & Sikkema - de Jong, M. (2009). Interactive Book Reading in Early Education: A Tool to Stimulate Print Knowledge as Well as Oral Language. *Review of Educational Research - REV EDUC RES*, *79*, 979–1007. https://doi.org/10.3102/0034654309332561

Nabila, S. U., Lestari, G. D., & Yulianingsih, W. (2023). Pembiasaan Nilai-Nilai Kepedulian Lingkungan pada Anak Usia Dini melalui Prinsip Pembelajaran. *Jurnal Obsesi*, *7*(1), 1105–1118.

Nasrullah, Y., Akbar, Z., & Supena, A. (2021). Pengembangan Media Komik untuk Meningkatkan Pemahaman Kesiapsiagaan Bencana Banjir pada Anak. *Jurnal Obsesi : Jurnal Pendidikan Anak Usia Dini*, *6*(2), 832–843. https://doi.org/10.31004/obsesi.v6i2.1540

National Research Council. (1996). *National Science Education Standards*. National Academiy of Science.

Neenan, E. E., Roche, J., & Bell, L. (2021). Time to Listen: Children's Voice in Geoscience Education Research. *Frontiers in Environmental Science*, *9*. https://doi.org/10.3389/fenvs.2021.669430

Nunan, R. (1988). The Theory of an Expanding Earth and the Acceptability of Guiding Assumptions. In A. Donovan, L. Laudan, & R. Laudan (Eds.), *Scrutinizing Science: Empirical Studies of Scientific Change* (pp. 289–314). Springer Netherlands. https://doi.org/10.1007/978-94-009-2855-8_14

Oktamarina, L. (2021). Meningkatkan Karakter Peduli Lingkungan Sejak Usia Dini Melalui Kegiatan Green School di PAUD UswatunnHasanah Palembang. *Jurnal Ilmiah Potensia*, *6*(1), 37–44.

Omoogun, A. C., Egbonyi, E. E., & Onnoghen, U. N. (2016). From Environmental Awareness to Environmental Responsibility: Towards a Stewardship Curriculum. *Journal of Educational Issues*, *2*(2), 60–72.

Partanen-Hertell, M., Harju-Autti, P., Kreft-Burman, K., & Pemberton, D. (1999). *Raising environmental awareness in the Baltic Sea area*. https://api.semanticscholar.org/CorpusID:127572935

Pratistho, B., Pratiknyo, P., Prasetyadi, A. R. C., Massora, M. R., & Munandar, Y. K. (2018). *Hubungan Struktur Geologi dengan Sistem Air Tanah* (1st ed., Vol. 1). LPPM UPN "Yogyakarta" Press.

Ramsey, C. E., & Rickson, R. E. (1976). Environmental Knowledge and Attitudes. *The Journal of Environmental Education*, *8*(1), 10–18. https://doi.org/10.1080/00958964.1976.9941552

Sageidet, B. M., Christensen, M., & Davis, J. M. (2019). Children's Understandings of Environmental and Sustaibaility-related Issues in Kindergartens in Rogaland, Norway, and Queensland, Australia. *International Journal of Environmental and Science Education*, *14*(4), 17191–17205.

Scott, S., & Palincsar, A. (2013). Sociocultural Theory. *The Gale Group*.

Seefeldt, C., Castle, S., & Falconer, R. C. (2013). *Social Studies for the Preschool/Primary Child* (9th ed.). Pearson Education.

Şentürk, C. (2017). Science Literacy in Early Childhood. *International Journal of Research & Method in Education*, *7*, 51–62. https://doi.org/10.9790/7388-0701035162

Simsar, A. (2021). Young Children's Ecological Footprint Awareness and Environmental Attitudes in Turkey. *Child Indicators Research*, *14*(4), 1387–1413. https://doi.org/10.1007/s12187-021-09810-7

Stapp, W. B. (1969). The Concept of Environmental Education. *Environmental Education*, *1*(1), 30–31. https://doi.org/10.1080/00139254.1969.10801479

Syarah, E. S., Yetti, E., & Fridani, L. (2018). PENGEMBANGAN MEDIA KOMIK ELEKTRONIK UNTUK MENINGKATKAN PEMAHAMAN KONSERVASI KELAUTAN ANAK USIA DINI. *Jurnal Pendidikan Anak Usia Dini*, *12*(2). https://doi.org/10.21009/JPUD.122

Towoliu, I. D., Hartati, S., & Hapidin, H. (2020). Pendidikan Karakter Berbasis Islam melalui Program Cinta Rosul pada Anak Taman Kanak-Kanak. *Jurnal Obsesi : Jurnal Pendidikan Anak Usia Dini*, *5*(1), 521. https://doi.org/10.31004/obsesi.v5i1.618

UNESCO. (2024, January 31). *What You Need To Know About Literacy*.

Utami, A. D., Fleer, M., & Li, L. (2020). Shift in teachers' pedagogical practices in play-based programme in Indonesia. *International Journal of Early Years Education*, *28*, 1–16. https://doi.org/10.1080/09669760.2020.1777846

Vygotsky, L. S. (1978). *Mind in Society - The Development of Higher Psychological Processes* (M. Cole, V. John-Steiner, S. Scribner, & E. Souberman, Eds.). Harvard University Press.

Walters, S. (1994). Algorithms and archetypes: Evolutionary psychology and Carl Jung's theory of the collective unconscious. *Journal of Social and Evolutionary Systems*, *17*(3), 287–306. https://doi.org/https://doi.org/10.1016/1061-7361(94)90013-2

Wiegerová, A., & Navrátilová, H. (2017). Let's Not Be Scared of Comics (Researching Possibilities of Using Conceptual Comics in Teaching Nature Study in Kindergarden). *Procedia - Social and Behavioral Sciences*, *237*, 1576–1581. https://doi.org/10.1016/j.sbspro.2017.02.248

Wildová, R., & Kropáčková, J. (2015). Early Childhood Pre-reading Literacy Development. *Procedia - Social and Behavioral Sciences*, *191*, 878–883. https://doi.org/https://doi.org/10.1016/j.sbspro.2015.04.418

Zimmerman, C. (2000). The Development of Scientific Reasoning Skills. *Developmental Review*, *20*(1), 99–149. https://doi.org/https://doi.org/10.1006/drev.1999.0497