

DAFTAR PUSTAKA

- Amamou, S. & Cheniti-belcadhi, L. (2018). Tutoring In Tutoring In Project-Based Learning. *Procedia Computer Science*, 126, 176–185
- Cañongo, A. A., Tomasini, G., & Reyes, N. (2020). Inferential and Critical Thinking Skills in Elementary Students. *Journal Revista Electrónica de Investigación Educativa*, 22(2), 1–12
- Darmawan, A. (2020). The Influence Of Project-Based Learning-Stem Model On Student Learning Outcomes. *Jurnal Pena Sains*, 7(2), 113-119.
- D. N. Asih, I. E. Wijayanti & I. Langitasari. (2020). Development Of Stem (Science, Technology, Engineering, And Mathematic) Integrated Chemical Module On Voltaic Cells. *Jurnal Tadris Kimiya*, 5(1), 91-103.
- Fathurrohman, M. (2016). Model-model Pembelajaran Inovatif. Yogyakarta: Ar-ruzz Media
- Firdausi, B.W., Warsono, Yermiandhoko, Y. (2021). Peningkatan Kemampuan Berpikir Kritis Pada Siswa Sekolah Dasar. *Jurnal MUDARRISUNA: Media Kajian Pendidikan Agama Isla*, 11(2), 229-243.
- Gale, J. (2020). Exploring Critical Components of An Integrated STEM Curriculum: An Application Of The Innovation Implementation Framework. *International Journal of STEM Education*, 7(1), 1–17.
- Hendrayadi. (2016). *Metode Riset Kuantitatif, Teori Dan Aplikasi Pada Penelitian Bidang Manajemen Dan Ekonomi Islam*. Jakarta : PT Fajar Interpratama Mandiri.
- Isro, A.L, Anggraito, Y.U, Bintari, S.H. Description of Students' Critical Thinking Skills in Integrated PjBL STEM Learning Environmental Change Material. *Journal of Innovative Science Education*, 10 (3), 237-243
- Kokotsaki, D., Menzies, V. & Wiggins, A. (2016). Project-based learning : A review of the literature. *Journals Sagepub*, 1(2), 1–11.
- Leung, A. (2020). Boundary Crossing Pedagogy In STEM Education. *International Journal of STEM Education*, 9(1), 1–11
- Maslyni, Zaini, M., & Syahmani. (2018). The Effectiveness of Natural Science Modules Toward Critical Thinking Ability and Student Performance: A Development Research. *IOSR Journal of Research & Mrthod in Education (IOSR-JRME)*, 12(3), 29-33.
- Octafianellis, D.F, Sudarmin, Wijayanti, N. and Pancawardhani, H.. (2021). Analysis of student's critical thinking skills and creativity after problem-based learning with STEM integration. *Journal of Science Education Research*, 5(1), 31-37.
- Prameswari, S.W, Suharno, and Sarwanto. (2018). Inculcate Critical Thinking Skills In Primary Schools. Social, Humanities, and Education Studies (SHEs): *Conference Series*, 1(1), 742-750.
- Rusmansyah, Yuanita, L., Ibrahim, M., Isnawati, & Prahani, B. K. (2019). Innovative Chemistry Learning Model : Improving Critical Thinking Skills and Self Efficacy of Pre-service Chemistry Teachers. *Journal of Technology and Science Education*, 9(1), 59-76.
- Saputri, A. C., Sajidan, Rinanto, Y., Afandi, & Prasetyanti, N. M. (2019). Improving students' critical thinking skills in cell-metabolism learning using Stimulating Higher Order Thinking Skills model. *International Journal of Instruction*, 12(1), 327–342.
- Santos, L. F. (2017). The Role of Critical Thinking in Science Education. *International Journal of Education and Practice*, 8(2), 107-118.
- Sa'ud. 2013. Instrumen Perangkat Pembelajaran. Bandung: Remaja Rosdakarya.
- Siswono, T. Hartono, S. & Kohar, A. W. (2018). Effectiveness of Project Based Learning in Statistics for lower Secondary Schools. *Eurasian Journal of Educational Research*, 7(5), 197–210

- Soros, P., Ponkham, K., & Ekkapin, S. (2017). The results of STEM education methods for enhancing critical thinking and problem solving skill in physics the 10th grade level. *International Conference for Science Educators and Teachers (ISET)*, 5(2), 1-11
- Subadi, T., Khotimah, R.P & Sutarni, S. (2013). A Lesson Study as a Development Model of Professional Teachers. *International Journal of Education*, 5(2), 102-114.
- Tiruneh, D. T., De Cock, M., & Elen, J. (2018). Designing Learning Environments for Critical Thinking: Examining Effective Instructional Approaches. *International Journal of Science and Mathematics Education*, 16(6), 1065–1089. <https://doi.org/https://doi.org/10.1007/s10763-017-9829-z>
- Thiagarajan, Sivasailam, dkk. (1974). *Instructional Development for Training Teachers of Exceptional Children*. Washinton DC: National Center for Improvement Educational System
- Wena, M. (2013). Strategi Pembelajaran Inovatif Kontemporer: Suatu Tinjauan Konseptual Operasional. Jakarta: Bumi Aksara.
- Zayyinah, dkk. (2021). STEAM-Integrated Project Based Learning Models: Alternative to Improve 21st Century Skills. *Advances in Social Science, Education and Humanities Research*, 627, 251-258.