## **DAFTAR PUSTAKA**

- Afandi, M., & Syofyan, E. (2020). The Influence of Student Creativity, Learning Independence, Student Personality, Work Experience (Prakerin) and Work World Information on Readiness to Enter the Workforce on Students. *Proceedings of the 5th Padang International Conference On Economics Education, Economics, Business and* (pp. 430-435). Atlantis Press.
- Afdareza, M. Y., Yuanita, P., & Maimunah. (2020). Development of Learning Device Based on 21st Century Skill with Implementation of Problem Based Learning to Increase Critical Thinking Skill of Students on Polyhedron for Grade 8th Junior High School. *Journal of Education Science (JES) Vol 4, No 2 : April 2020.*
- Aji, W., Ardin, H., & Arifin, M. (2020). Blended Learning During Pandemic Corona Virus: Teachers' and Students' Perceptions. *Journal of Language Teaching and Learning, Linguistics and Literature*, 632–646.
- Ananda, R. (2019). THE EFFECT OF LEARNING STRATEGIES AND LEARNING INDEPENDENCE ON LEARNING OUTCOMES IN LEARNING EVALUATION SUBJECT. *IJLRES International Journal on Language, Research and Education Studies*, 340-350.
- Anazifa, R. D., & Djukri. (2017). PROJECT- BASED LEARNING AND PROBLEM- BASED LEARNING: ARE THEY EFFECTIVE TO IMPROVE STUDENT'S THINKING SKILLS? *Jurnal Pendidikan IPA Indonesia*, 346-355.
- Ansori, T., Wasis, & Nasrudin, H. (2019). Development of Physics Learning Instrument with Model Project Based Learning to Train Students' Critical Thinking Skills. *International Journal of Multicultural and Multireligious Understanding*, 74-79.
- Arifin, Z. (2014). Evaluasi Pembelajaran Prinsip, Teknik dan Prosedur. Bandung: PT. Remaja Rosdakarya.
- Arikunto, & Suharsimi. (2013). Prosedur Penelitian. Jakarta: Rineka Cipta.
- Arikunto, S. (2010). Dasar-dasar Evaluasi Pendidikan. Jakarta: Bumi Aksara.
- Arikunto, S., & Suharsimi. (2015). Prosedur Penelitian. Jakarta: Rineka Cipta.

- Arohmatul, K., & Sumarni, W. (2019). he Effectiveness Of Blended Problem-Based Learning For Enhancing Cognitive And Learning Outcomes Of Students' Critical Thinking Skills On Redox Materials. *Jurnal Pengajaran MIPA*.
- Boss, S. (2015). *PBL for21st Century Success: Teaching Critical Thinking, Collaboration, Communication, and Creativity*. Novato: CA: Buck Institute for Education.
- Bruin, A. B., Kok, E. M., Lobbestael, J., & de Grip, A. (2017). The impact of an online tool for monitoring and regulating learning at university: overconfidence, learning strategy, and personality. *Metacognition and Learning*, 21-43.
- Carlgren, T. (2013). Communication, Critical Thinking, Problem Solving: A Suggested Course for All High School Students in the 21st Century. *Interchange* 44(1-2), 63-81.
- Chaeruman, U. A. (2020). Tips Implementasi Flipped Learning. APSTPI 2020.
- Chaeruman, U. A., & Santi, M. (2018). Quarant of Blended Learning: a Proposed Conceptual Model for Designing Effective Blended Learning. *Jurnal Pembelajaran Inovatif*, 1-5.
- Chairani, U., Ruslan, D., & Arwansyah. (2020). The Influence of Learning Model and Learning Independence on 11th Students' Learning Outcomes in Entrepreneurship Subject SMK N 7 Medan. *Britain International of Humanities and Social Sciences Journal*, 55-66.
- Denny, Y., Utami, I., Rohanah, S., & Muliyati, D. (2020). The Development of Blended Learning Model using Edmodo to Train Student Critical Thinking Skills on Impulse-Momentum Topic. *JPPPF (Jurnal Penelitian dan Pengembangan Pendidikan Fisika)*, 113-120.
- Desmita. (2009). *Psikologi Perkembangan Peserta Didik*. Bandung: Remaja Rosdakarya.
- Egok, A. S. (2016). KEMAMPUAN BERPIKIR KRITIS DAN KEMANDIRIAN BELAJAR DENGAN HASIL BELAJAR MATEMATIKA. *Jurnal Pendidikan Dasar*, 186 199.
- Elisyani, R., Kenedi, A. K., & Sayer, I. M. (2019). Blended Learning and Project Based Learning: The Method to Improve Students' Higher Order Thinking Skill (HOTS). *Jurnal Iqra' Kajian Ilmu Pendidikan*, 231-248.

- Elmubarak, M. (2020). An Online Semi-Structured Approach To Helping Students Make The Most Of Project-Based Learning (PBL). *IJAEDU- International E-Journal of Advances in Education*.
- Ennis, R. H. (1991). *Goals for a critical thinking (Illinois critical thinking project)*. US: University Illinois.
- Fajrianthi, F., Hendriani, W., & Septarini, B. G. (2016). Pengembangan Tes Berpikir Kritis dengan Pendekatan Item Response Theory. *Jurnal Penelitian dan Evaluasi Pendidikan*, 45–55.
- Fang, Z., & Wei, Y. (2010). Improving Middle School Students' Science Literacy Through Reading Infusion. *The Journal of Educational Research*, 262-273.
- Fariska, R., & Erman. (2017). BLENDED LEARNING UNTUK MENINGKATKAN LEVEL KEMAMPUAN BERPIKIR KRITIS . *Pensa: Jurnal Pendidikan Sains*, 60-66.
- Foster, J. (2009). Thinking Skills in: B. Kerr (Ed.) Encyclopedia of giftedness, Creativity, and Talent. California: SAGE.
- Gandi, A. K., Haryani, S., & Setiawan, D. (2021). The Effect of Project-Based Learning Integrated STEM Toward Critical Thinking Skill. *Journal of Primary Education*, 18 23.
- Hariyono, & Andrini, V. S. (2020). Contribution of Project-Based Blended Learning (PjB2L) Learning Model to Technoprenuership Ability in Higher Education. *International Journal of Advanced Multidisciplinary Scientific*
- Kharismawan, B., Haryani, S., & Nuswowati, M. (2018). Application of a Pbl-Based Modules to Increase Critical Thinking Skills and Independence Learning. *Journal of Innovative Science Education*, 78-86.
- Kulsum, U. (2020). Optimization of Learning Through Edmodo-Based Hybrid Learning to Improve Learning Independence and Learning Outcomes. *Indonesian Journal Of Educational Studies (IJES)*, 61-71.
- Laili, N. N., Putra, N. D., & Astuti, B. (2018). The Relevance of Physics Learning on the Vocational High School Students of Automotive Study Program. *International Conference on Science and Education and Technology 2018* (ISET 2018) (pp. 350-354). Atlantis Press.
- Lapitan Jr, L., Tiangco, C., Sumalinog, D., Sabarillo, N., & Diaz, J. (2021). An effective blended online teaching and learning strategy during the COVID-19 pandemic. *Education for Chemical Engineers*, 116–131.

- Lati, W. (2012). Enhancement of Learning Achievement and Integrated Science Process Skills Using Science Inquiry Learning Activities of Chemical Reaction Rate. *Procedia-Social and Behavioral Science*, 4471-4475.
- Lawshe, C. H. (1975). *A QUANTITATIVE APPROACH TO CONTENT VALIDITY*. Personel Phsycology.
- Ma, H. (2016). A Study of Blended Learning Strategies For Project-Based Studies. Asia Pacific Journal of Contemporary Education and Communication Technology, 50-57.
- Maltby, F. S., Gage, N. L., Berliner, D., & David, C. (2005). *Educational Psychology: an Australia and New Zealand Perspectiv*. Brisbane: Jhon Willey & Sons.
- Marín, P. A., Bacilio, M. C., & Rosas, S. J. (2018). Using analog instruments in Tracker video-based experiments for understanding electricity and magnetism phenomena in physics education. *European Journal of Physics*, 1-18.
- Martin, J. S., Kreiger, J. E., & Apicerno, A. L. (2015). Effectiveness of a hybrid classroom in the delivery of medical terminology course content rela-tive to a traditional classroom format. *Journal of the Scholarship of Teaching and Learning*, 72-81.
- Mulyono, D. (2017). The influence of learning model and learning independence on mathematics learning outcomes by controlling students' early ability. *INTERNATIONAL ELECTRONIC JOURNAL OF MATHEMATICS EDUCATION*, 689-708.
- Mustaqim, Corebima, S. D., & Mahanal, S. (2019). ERCoRe Learning Model in Improving Students' Critical Thinking Skills. *Jurnal Pendidikan Sains*, 145–150.
- Mutakinati, L., Anwari, I., & Yoshisuke, K. (2018). Analysis Of Students' Critical Thinking Skill Of Middle School Through Stem Education Project-Based Learning. *Jurnal Pendidikan IPA Indonesia JPII*, 54-65.
- Nafisa, D., Sukestiyarno, & Hidayah, I. (2021). Critical Thinking Skill Seen from Curiosity on Independent Learning Assisted by Module. *Unnes Journal of Mathematics Education Research*, 168-174.
- Olejnik, S., & Algina, J. (2003). Generalized Eta and Omega Squared Statistics: Measures of Effect Size for Some Common Research Designs. *Psychological Methods*, 434–447.

- Partnership for 21st Century Skills. (2009b). Framework for 21st Century Learning. Tucson, AZ: Partnership for 21st Century Skills. www.p21.org/storage/documents/P21\_Framework.pdf.
- Paul, R., Niewoehner, R., & Elder, L. (2019). The thinker's guide to engineering reasoning: Based on critical thinking concepts and tools. Maryland, USA: Rowman & Littlefield.
- Putri, S. U., & Hendawati, Y. (2018). Blended Project Based Learning: Strategy for Improving Critical Thinking of Pre-Service Teachers in Science Education. Proceeding of The 1st UR International Conference on Educational Sciences, (pp. 152-157).
- Quint, J., & Condliffe, B. (2018). *Project-Based Learning: A Promising Approach* to *Improving Student Outcomes*. Http://mdrc.org.
- Rahmi, E. F., Diana, S., & Wulan, A. R. (2020). The Implementation of Modified Free Inquiry Learning Model to Improve Critical Thinking Skills of 21st-Century Students in High School on Bryophyta Learning. *Proceedings of the International Conference on Educational Psychology and Pedagogy "Diversity in Education" (ICEPP 2019)*.
- Riza'i, M. M., Kartono, & Rochmad. (2018). An Ability of Mathematical Representation And Independence of Student Learning in Reciprocal Teaching With Resitation and Self Assessment. *Unnes Journal of Mathematics Education Research*, 211-217.
- Rubiyanti, Badarudin, & Eka, K. (2020). Improving Critical Thinking Skills and Learning Independence Using Problem Based Learning Based On Science Literation. *INDONESIAN JOURNAL OF EDUCATIONAL STUDIES* (*IJES*), 34-43.
- Ryan, R. M., & Deci, E. L. (2000a). Intrinsic and extrinsic motivations: Classic definitions and new directions. *Contemporary Educational Psychology*, 54–67.
- Santoso, A. (2010). Studi Deskriftif Effect Size Penelitian-Penelitian di Fakultas Psikologi. Yogyakarta: Jurnal Penelitian.
- Sari, E. N., & Zamroni. (2017). THE IMPACT OF INDEPENDENT LEARNING ON STUDENTS' ACCOUNTING LEARNING OUTCOMES AT VOCATIONAL HIGH SCHOOL. *Jurnal Pendidikan Vokasi*, 141-150).
- Sasson, I., Yehuda, I., & Malkinson, N. (2018). Fostering the skills of critical thinking and question-posing in a project-based learning environment. *Thinking Skills and Creativity*.

- Silvi, F., Basori, & Maryono, D. (2019). The Influence of Project-Based Blended Learning Toward Outcomes Student Learning. *International Conference on Online and Blended Learning 2019*.
- Sugiyono. (2014). Metode Penelitian Pendidikan. Bandung: Alfabeta.
- Sugiyono. (2016). *Metode Penelitian Kuantitatif, Kualitatif, dan Kombinasi (Mixed Methods)*. Bandung: CV Alfabeta.
- Suhandri, H., & Mardalena, T. (2013). Pengaruh Metode Pembelajaran Problem Solving Terhadap Hasil Belajar Matematika Ditinjau Dari Kemandirian Belajar. *Jurnal Formatif*.
- Suharno, Pambudi, N. A., & Harjanto, B. (2020). Vocational education in Indonesia: History, development, opportunities, and challenges. *Children and Youth Services Review*.
- Sumarni, W., Supardi, K. I., & Widiarti, N. (2018). Development of assessment instruments to measure critical thinking skills. *Materials Sciences and Engineering* (pp. 1-11). IOP Conference Series.
- Susilo, B. E., & Kharisudin, I. (2010). IMPROVING THE AUTODIDACT LEARNING OF STUDENT ON KALKULUS THROUGH COOPERATIVE LEARNING "STUDENT TEAMS ACHIEVEMENT DIVISION" BY PORTFOLIO PROGRAMMED. Jurnal Penelitian Pendidikan, 78-83.
- Thoken, F., Asrori, & Purwanti. (2014). Analisis Kemandirian Belajar Pada Siswa Kelas X SMA Kemala Bhayangkari Sungai Raya. *Jurnal Pendidikan dan Pembelajaran Khatulistiwa*, 1-7.
- Tong, Y., Kinshuk, & Wei, X. (2020). Teaching Design and Practice of a Project-Based Blended Learning Model. *International Journal of Mobile and Blended Learning*, 33-50.
- Tovacol, & Mohsen. (2011). Making sense of Cronbach's alpha. *International Journal of Medical Education*, 53-55.
- Victoria State Goverment. (2018). *Principles of Learning and Teaching (PoLT)*. http://www.education.vic.gov.au/school/teachers/teachingresources/practic e/improve/Pages/principlespolt.aspx: Victoria State Government Education and Training.
- Wahyudi, W., & Winanto, A. (2018). Development of Project-based Blended Learning (PjB2L) Model To Increase Pre-Service Primary Teacher Creativity. *Journal of Educational Science and Technology (EST)*, 91-102.

- Wan Husin, W. F., Arsad, N. M., Othman, O., Halim, L., Rasul, M. S., Osman, K., & Iksan, Z. (2016). Fostering Students' 21st Century Skills through Project Oriented Problem Based Learning (POPBL) in Integrated STEM Education Program. *Asia-Pacific Forum on Science Learning and Teaching*, 1-19.
- Widodo, S. (2016). Pengembangan Keterampilan Berpikir Kritis Peserta Didik Dengan Menggunakan Model Pembelajaran Berbasis Masalah (Problem Based Learning) Melalui Isu-Isu Sosial Ekonomi Pasca Penggenangan Waduk Jatigede dalam Pembelajaran IPS Di SMPN 2 Wado. Learning Social Science Education.
- Wiyono. (2018). Pengembangan instrumen pengukuran kemandirian siswa sekolah menengah pertama. Wiyata Dharma: Jurnal Penelitian dan Evaluasi Pendidikan, 180-186.
- Wright, E., & Lee, M. (2014). Developing skills for youth in the 21st century: The role of elite International Baccalaureate Diploma Programme Schools in China. *International Review of Education*, 199-216.
- Yamin, M. (2008). *Taktik Mengembangkan Kemampuan Individual Siswa*. Jakarta: Gaung Persada Press.
- Yustina, Syafii, W., & Vebrianto, R. (2020). The Effects Of Blended Learning And Project-Based Learning On Pre-Service Biology Teachers' Creative Thinking Through Online Learning In The Covid-19 Pandemic. *Jurnal Pendidikan IPA Indonesia (JPII)*, 408-420.
- Zivkovic, S. (2016). A Model of Critical Thinking as an Important Attribute for Success in the 21st Century. *International Conference on Teaching and Learning English as an Additional Language*, *GlobELT 2016*, (pp. 102 108).