

DAFTAR PUSTAKA

- Arends, R.I. 2008. *Learning To Teach*. Yogyakarta: Pustaka Belajar.
- Arikunto, Suharsimi. 2017. *Dasar-Dasar Evaluasi Pendidikan*. Jakarta : Bumi Aksara
- Arikunto, Suharsimi. 2017. *Prosedur Penelitian : Suatu Pendekatan Praktek*. Jakarta : Rineka Cipta.
- Awan, *et.al.* 2017. Effect of Problem Based Learning on Student's Critical Thinking Skills, Attitude towards Learning and Achievement. *Journal of Educational Research*. 20(2): 28-41.
- Basith, A. & Amin, S. 2017. The Effect of Problem Based Learning on EFL Students Thinking Skills and Learning Outcome. *Al-Ta'alim Journal*. 24(2). 93-102.
- Binkley *et.al.* 2012. *Defening Twenty-First Century Skills*. New York : Springer.
- Birgli, B. 2015. Creative and Critical Thinking Skills in Problem Based Learning Environment. *Journal of Gifted Education and Creativity*. 2(2): 71-80
- Djamarah, S.B., & Zain, A. 2002. *Strategi Belajar Mengajar*. Jakarta : Rineka Cipta.
- Ennis, R. H. 1996. *Critical Thinking*. University of Illinois. Prentice Hall, Inc. Upper Saddle River, New Jersey.
- Farisi, A., Abdul, H., & Melvina. 2017. Pengaruh model pembelajaran PBL terhadap kemampuan berpikir kritis dalam meningkatkan hasil belajar peserta didik pada konsep suhu dan kalor. *Jurnal Ilmiah Mahasiswa (JIM) Pendidikan Fisika*, 2(3):283-287.
- Fisher, Alec. 2007. *Berpikir Kritis :Sebuah Pengantar*. Jakarta : Erlangga
- Giancolli, D.C. 2011. *Fisika: Prinsip dan Aplikasi*. Jakarta : Erlangga.
- Herayanti & Habibi. 2015. Model Pembelajaran Berbasis Masalah Berbantuan Simulasi Komputer untuk Meningkatkan Keterampilan Berpikir Kritis Calon Guru Fisika. *Jurnal Pendidikan Fisika dan Teknologi*. 1(1): 61-66.
- Hidayah, R., Salimi, M., & Susiani, T.R. 2017. Critical Thinking Skills : Konsep dan Indikator Penilaian. *Jurnal Pendidikan ke-SD-an*. 1(2) : 127-133.
- Isrok'atun & Tiurlina. 2015. Enhancing Student's Mathematical Creative Problem Solving Ability Through Situation Based Learning in Elementary School. *International Journal of Education and Research*. 3(9): 73-80.

- Joyce, *et.al.* 2009. *Models of Teaching*. New Jersey : Pearson Education, Inc.
- Kanginan, M. 2013. *Fisika untuk SMA/MA Kelas XI*. Jakarta : Erlangga.
- Law, A.M., & Kelton W.D. 1991. *Simulation Modeling and Analysis*. New York : Mc.Graw-Hill
- Lin, C. Y. 2017. Threshold Effects of creative problem solving attributes on creativity in the math abilities of attributes on creativity in the math abilities of taiwanese upper elementary students. *Education Research International*. 1: 1-9.
- Lu, H.K. & Lin, P.C. 2017. A Study of the Impact of Collaborative Problem Solving Strategies on Student's Performance of Simulation Based Learning – A Case of Network Basic Concepts Course. *International Journal of Information and Education Technology*. 7(5): 361-366.
- Masek & Yamin. 2011. *The Effect of Problem Based Learning on Critical Thinking Ability: A Theoretical and Empirical Review*. *International Review of Social Sciences and Humanities*. 2(1): 215-221.
- Marpaung, Nurliana & Simanjuntak, Mariati Purnama. 2018. Desain Pembelajaran Berbasis Masalah dan Multipel Representasi Terhadap Hasil Belajar dan Keterampilan Berpikir Kritis. *Jurnal Inovasi Pembelajaran Fisika*. 6(3): 40-45.
- Munandar, H, Sutrio, & Taufik M. Pengaruh Model Pembelajaran Berbasis Masalah Berbantuan Media Animasi terhadap Kemampuan Berpikir Kritis dan Hasil Belajar Siswa SMAN 5 Mataram Tahun Ajar 2016/2017. *Jurnal Pendidikan Fisika dan Teknologi*. 4(1): 111-120.
- Mundilarto & Ismoyo. 2017. Effect of Problem Based Learning on Improvement Physics Achievement and Critical Thinking of Senior High School Students. *Journal of Baltic Science Education*. 16(5): 761-779.
- Ngalimun. 2017. *Strategi dan Model Pembelajaran*. Yogyakarta : Aswaja Pressindo.
- Omadara & Adu. 2014. Relevance of Educational Media and Multimedia Technology for Effective Service Delivery in Teaching and Learning Processes. *IOSR Journal of Research & Method in Education*. 4(2) : 48-51
- Ongarwanidch, *et. al.* 2015. Development of 21st Century Skill Scales as Perceived by Students. *Journal of Social and Behavioral Sciences*. 4(2): 737-741.

- Putranta, Himawan & Kuswanto, Heri. Improving Student's Critical Thinking Ability Using Problem Based Learning (PBL) Learning Model Based on PhET Simulation. *SAR Journal*. 1(3): 77-87.
- Redhana, I.W. 2014. Model Pembelajaran Berbasis Masalah untuk Peningkatan Keterampilan Pemecahan Masalah dan Berfikir Kritis. *Jurnal Pendidikan dan Pengajaran*, 46 (1): 76-78.
- Sanjaya, Wina. 2006. *Strategi Pembelajaran Berorientasi Standar Proses Pendidikan*. Jakarta: Kencana Prenada Media Group.
- Santoso, R, Darmadi I, & Darsikin. 2016. Pengaruh Model Pembelajaran Berbasis Masalah Berbantuan Media Komputer Terhadap Kemampuan Berpikir Kritis Siswa SMA Negeri 5 Palu. *Jurnal Pendidikan Fisika Tadulako (JPFT)*. 4(2): 39-44.
- Shisigu, Argaw, *et. al.* 2017. The Effect of Problem Based Learning (PBL) Instruction on Student's Motivation and Problem Solving Skills of Physics. *Journal of Mathematics Science and Technology Education*. 13(3): 857-871
- Shoimin, A. 2016. *Model Pembelajaran Inovatif dalam Kurikulum 2013*. Yogyakarta : Ar-Ruzz Media.
- Sihaloho, D. The Effect of Problem Based Learning (PBL) Model toward Student's Creative Thinking and Problem Solving Ability in Senior High School. *IOSR Journal Research & Method in Education*. 7(4) : 11-18.
- Simanjuntak, Mariati P., Ramadhani, Dewi. 2018. Pengaruh Model Problem Based Learning Berbantuan Simulasi Komputer dalam Meningkatkan Keterampilan Berpikir Kreatif Siswa. *Jurnal Inovasi Pembelajaran Fisika (INPAFI)*. 6(3): 1-8.
- Slameto. 2010. *Belajar dan Faktor-Faktor yang Mempengaruhinya*. Jakarta : Rineka Cipta.
- Sudjana. 2005. *Metode Statistika*. Bandung : PT. Tarsito.
- Sugiyono. 2017. *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Bandung : Alfabeta.
- Surip, Muhammad. 2017. *Berpikir Kritis, Analisis Kajian Filsafat Ilmu*. Medan: Halaman Moeka.
- Susanto, Singgih. 2017. *Statistik Multivariat dengan SPSS*. Jakarta : PT Elex Media Komputindo.
- Trianto. 2011. *Mendesain Model Pembelajaran Inovatif-Progresif*. Jakarta : Kencana.

Ulger, Kani. 2018. *The Effect of Problem Based Learning on The Creative Thinking and Critical Thinking Disposition of Students in Visual Arts Education*. *Interdisciplinary Journal of Problem Based Learning*. 12(1): 1-20.

Zhou, Q. Huang, & H. Tian. 2013. *Developing Student's Critical Thinking Skills by Tasked Based Learning in Chemistry Experiment Teaching*. *Journal of Creative Education*. 4(2) : 40-45.



THE
Character Building
UNIVERSITY