

DAFTAR PUSTAKA

- Abrami, P. C., Bernard, R. M., Borokhovski, Wade, A., Surkes, M. A., Tamim, R., & Zhang, D. (2008). Instructional Interventions Affecting Critical Thinking Skills and Dispositions: A Stage 1 Meta-Analysis. *Review of Educational Research*, 78(4), 1102–1134. DOI: <https://doi.org/10.3102/0034654308326084>
- Abidin, Y. (2016). *Revitalisasi Penilaian Pembelajaran dalam Konteks Pendidikan Multiliterasi Abad ke 21*. Bandung: PT. Refika Aditama
- Agustiana, I. Agustini, Ibrahim, & Tika (2020). Efektivitas Model OPPEMEI untuk Meningkatkan Kemampuan Berpikir Kreatif Mahasiswa. *Journal of Education Technology*. 4(2) 150-160. DOI: <https://doi.org/10.23887/jet.v4i2.25343>
- Amri, S. dan Ahmadi K. I. (2010). *Proses Pembelajaran Kreatif dan Inovatif. Dalam Kelas*. Jakarta : Prestasi Pustaka Raya
- Anwar, M., N. M., Aness, M., Khizar, A., Naseer, M., & Gulam, M. (2012). Relationship of Creative Thinking with the Academic Achievements of Secondary School Students. *International Interdisciplinary Journal of Education*, 1(3), 44-47.
- Arikunto. (2010). *Prosedur Penelitian: Suatu Pendekatan Praktek*. Jakarta: Rineka Cipta.
- Arisa, N., Johansyah, & Hanif, M.K.A. (2020). Keefektifan Model Pembelajaran Novick Terhadap Pemahaman Konsep Fisika Siswa SMK Negeri 17 Samarinda Materi Elastisitas Dan Hukum Hooke. *Literasi pendidikan fisika*, 1(1), 45-55. DOI : <https://doi.org/10.30872/jlpf.v1i01.77>
- Arvyati, Ibrahim, M. & Irawan, A. (2015). Effectivity Of Peer Tutoring Learning To Increase Mathematical Creative Thinking Ability Of Class XI IPA SMAN 3 KENDARI 2014. *International Journal of Education and Research*, 3(1), 613-628
- Azizah, N, Mahanal, S., Zubaidah, S. & Setiawan, D. (2020). The effect of RICOSRE on students' critical thinking skills in biology. *AIP Conf. Proc*, 2215(1), 030002-1-030002-6. DOI: <https://doi.org/10.1063/5.0000562>
- Badan Lingkungan Hidup Kota Tangerang. (2015). *Laporan Status Lingkungan Hidup Kota Tangerang Tahun 2014*. Tangerang: Pemerintah Kota Tangerang Provinsi Banten.
- Barak, David, B. C., & Uri, Z. (2007). Purposely teaching for The Promotion of Higher Order Thinking Skills: A Case of Critical Thinkng. *Res Sci Educ*, 37, 353-369. DOI: <https://doi.org/10.1007/s11165-006-9029-2>

- Darrah, R. Humbert, J. Feinstein, M. Simon, and J. Hopkins. (2014). Are virtual labs as effective as hands-on labs for undergraduate physics? A comparative study at two major universities. *Journal of Science Education and Technology*, 23, 803-814. DOI: <https://doi.org/10.1007/s10956-014-9513-9>
- Devi, S.S, Munawaroh, F., Hadi, W. P., & Muharrami, L. K. (2019). Profil Kemampuan Berpikir Kreatif Siswa Setelah Pembelajaran Guided Inquiry dengan Metode Pictorial Riddle. *Natural Science Education Reseach*, 2(1), 40-47. DOI : <https://doi.org/10.21107/nser.v2i1.4275>
- Dini, K. F. (2012). Analisis Proses dan Kemampuan Berpikir Kreatif Siswa dalam Matematika Melalui Tugas Open-Ended. *Kreano*, 3(2), 91-99. DOI: <https://doi.org/10.15294/kreano.v3i2.2616>
- Dwiphayanti, I., Nilawarni, R., & Heryanti, E. (2018). The Difference Analytical Ability of Student Learning Assurance, Relevance, Interest, Assessment, Satisfaction with Student Teams-Achievement Divisions on Environmental Pollution. *Biosfer: Jurnal Pendidikan Biologi*, 8(2), 39-45. DOI: <https://doi.org/10.21009/biosferjpb.8-2.7>
- Ennis, R. H. & Robert, H. (2013). *Critical thinking across the curriculum (CTAC)*. OSSA: Conference Archive
- Febi, D. W. (2013). Pentingnya Mengetahui Gaya Belajar Siswa Dalam Kegiatan Pembelajaran Di Kelas. *Erudio*, 2(1), 7-21. DOI: [10.18551/erudio.2-1.2](https://doi.org/10.18551/erudio.2-1.2)
- Hake, R. R. (2002). *Analyzing Change / Gain Score*. Indiana: Indiana Univ
- Haryanti & Saputra. (2019). Instrumen Penilaian Berpikir Kreatif pada Pendidikan Abad 21. *Jurnal Cakrawala Pendas*, 5(2), 58-64. DOI: [10.31949/jcp.v5i2.1350](https://doi.org/10.31949/jcp.v5i2.1350)
- Hidayah, N. (2021). *Pengaruh Team Games Tournament (TGT) menggunakan Website Puzzle terhadap Pemahaman Konsep Sistem Respirasi pada Pembelajaran Jarak Jauh*. Sarjana thesis. Jakarta: Universitas Negeri Jakarta
- Hurlock. (2013). *Perkembangan Anak*. Jakarta: Erlangga.
- Ifroh, R. H., & Asrianti, T. (2020). Health Literacy, Media Exposure and Behavior Among Young Adults During The Covid-19 Pandemic. *Jurnal Ilmu Kesehatan Masyarakat*, 11(3), 223-236. DOI: <https://doi.org/10.26553/jikm.2020.11.3.223-236>
- Islami, P., & Nurdwiandari. (2018). Kemampuan Fluency, Flexibility,

Originality, dan Self Confidence Matematik Siswa SMP. *Jurnal Pembelajaran Matematika Inovatif*, 1(3). 249-258, DOI: 10.22460/jpmi.v1i3

Istiani, R., Azrai, E. P., & Rustam, Y. (2018). Effect of Application of Team Assisted Individualization of Biology Learning Model Of Student Interest in the Pteridophyta Material at SMAN 39 Jakarta. *Biosfer: Jurnal Pendidikan Biologi*, 7(1), 37-42. DOI: <https://doi.org/10.21009/biosferjpb.7-1.6>

Justica, A. A., Azrai, E. P. & Suryanda, A. (2018). The Effect of The-Teaching-With-Analogies Model Application on Learning Science to Creative Thinking Skill of Student on Junior High School. *Biosfer: Jurnal Pendidikan Biologi*, 8(1), 51-56. DOI: <https://doi.org/10.21009/biosferjpb.8-1.8>

Kaufman, J. C., Plucker, J. A. & Baer, J. (2008). *Essentials of Creativity Assessment*. New Jersey: JohnWiley & Sons, Inc.

Kemdikbud. (2016). *Peraturan Menteri Pendidikan dan Kebudayaan Republik Indonesia Nomor 20 Tahun 2016 Tentang Standar Kompetensi Lulusan Pendidikan Dasar dan Menengah*. Jakarta: Kementerian Pendidikan dan Kebudayaan.

Kemdikbud. (2017). *Silabus Biologi Revisi Tahun 2017*. Jakarta: Kementerian Pendidikan dan Kebudayaan.

Kibirige, I. , & Lehong, M. J. (2016). The effect of cooperative learning on grade 12 learners' performance in projectile motions, South Africa. *Eurasia Journal of Mathematics, Science & Technology Education*, 12(9), 2543-2556. DOI: 10.12973/eurasia.2016.1250a

Kinanthia, E.,R. & Pramudiani, P. (2022). Pengaruh Model Pembelajaran RICOSRE terhadap Kemampuan Berpikir Kreatif IPA Siswa Kelas V SD Negeri Jatirahayu II Bekasi. *Didaktik: Jurnal Ilmiah PGSD STKIP Subang*, 8(1), 366-374. DOI:<https://doi.org/10.36989/didaktik.v8i1.301>

Kurlick, S. & Rudnick, J.A. (1996). *The New Source Book Teaching Reasoning and Problem Solving in Junior and Senior High School*. Massachussetts: Allyn & Bacon.

Llewellyn, D. (2013). *Teaching High School Science Through Inquiry and Argumentation*. USA: Corwin Press, INC.

Lestari, P., Ristanto, R. H., & Miarsyah, M. (2019). Analysis of conceptual understanding of botany and metacognitive skill in pre-service biology teacher in Indonesia. *Journal for the Education of Gifted Young Scientists*, 7(2), 199-214. DOI: [10.17478/jegys.515978](https://doi.org/10.17478/jegys.515978)

- Mahanal, S & Zubaidah, S. (2017). Model Pembelajaran Ricosre yang Berpotensi Memberdayakan Keterampilan Bepikir Kreatif. *Jurnal Pendidikan: Teori, Penelitian, dan Pengembangan*, 2(5), 676-685. DOI: <http://dx.doi.org/10.17977/jptpp.v2i5.9180>
- Mardhiyana, D., & Sejati, E. O. W. (2016). Mengembangkan Kemampuan Berpikir Kreatif dan Rasa Ingin Tahu Melalui Model Pembelajaran Berbasis Masalah. *PRISMA, Prosiding Seminar Nasional Matematika*, 672-688.
- Mawaddah, K., Mahanal, S., Gofur, A., Setiawan, D. & Zubaidah, S. (2021). RICOSRE: An innovative learning model to promote scientific literacy. *AIP Conf. Proc*, 2330(03004), 030042-1-030042-8. DOI: <https://doi.org/10.1063/5.0043303>
- Mawar, F. N., Harso, A. & Ika, Y. E. (2020). Profile of Creative Thinking Abilities of Class X Students Suryamandala Waiwerang Private Vocational School, Semester II Study Year 2019/2020. *ScienceEdu: Jurnal Pendidikan IPA*, 3(2), 76-81. DOI: <https://doi.org/10.19184/se.v3i2.19582>
- Mettes, C. T. C. W., Pilot, A., Roossink, H. J., & Kramers-Pals, H. (1980). Teaching and learning problem solving in science. Part I: a general strategy. *Journal of chemical education*, 57(12), 882-885. DOI: <https://doi.org/10.1021/ed057p882>
- Munandar, U. (2012). *Pengembangan Kreativitas Anak Berbakat*. Jakarta : Rineka Cipta.
- Muslim, B., Suryaningsih, S. & Aprianti, R. F. (2020). Analysis of Students' Creative Thinking Ability with Problems Solving in Terms of Adversity Quotient. *TARBIYA: Journal of Education in Muslim Society*, 7(2), 217-225. DOI: 10.15408/tjems.v7i2.15234.
- Marliani, N. (2016). Pengaruh Model Pembelajaran Missouri Mathematics terhadap Kemampuan Berpikir Kreatif Siswa. *JPPM*, 9(1), 33-39. DOI: <http://dx.doi.org/10.30870/jppm.v9i1.978>
- Nashiroh, P. Ekarini, F. & Ristanto, R.D. (2020). Efektifitas Penerapan Model Pembelajaran Kooperatif Tipe JIGSAW berbantuan MIND MAP terhadap Kemampuan Pedagogik Mahasiswa Mata Kuliah Pengembangan Program Diklat, *JPTK*, 17(1), 43-52. DOI: <https://doi.org/10.23887/jptk-undiksha.v17i1.22906>
- Nurseha, I., Miarsyah, M., & Ristanto, R. H. (2022). Covid-19 literacy test: Developing of instruments and measuring for high school students. *Biosfer: Jurnal Pendidikan Biologi*, 15(1), 1-11. DOI: <https://doi.org/10.21009/biosferjpb.25377>
- Özgelen, S. (2012). Students' Science Process Skills within a Cognitive Domain

Framework. *Eurasia Journal of Mathematics, Science & Technology Education*. 8(4), 283-292. DOI: <http://dx.doi.org/10.12973/eurasia.2012.846a>

Panjaitan. (2017). Analisis Minat Belajar Biologi Pada Rumpun Lintas Minat Berdasarkan Implementasi Kurikulum 2013 Pada Siswa Kelas X SMA NEGERI 5 KOTA. Skripsi. JAMBI: Universitas Jambi.

Parawati, N.N. (2018). Belajar dan Pembelajaran. Jakarta: PT Rajagrafindo Persada

Polya, G. (1988). *How to Solve It*. Princeton: Princeton University

Purboningsih, D. (2015). Pengembangan Perangkat Pembelajaran dengan Pendekatan Guided Discovery pada Materi Barisan dan Deret untuk Siswa SMK Kelas X. In Seminar Nasional Matematika Dan Pendidikan Matematika UNY (pp. 467-474).

Reiter-Palmon, R., & Robinson, E. J. (2009). Problem identification and construction: What do we know, what is the future? *Psychology of Aesthetics, Creativity, and the Arts*, 3(1), 43-47. DOI: <https://doi.org/10.1037/a0014629>

Riduwan. (2015). *Skala Pengukuran Variabel-variabel Penelitian*. Bandung: Alfabeta.

Risdiana, H., Suyatno, S. & Poedjiastuti, S. (2014). Implementasi Model 5E Learning Cycle untuk Meningkatkan Penguasaan Konsep dan Kemampuan Berpikir Kreatif Siswa SMA. *JPPS (Jurnal Penelitian Pendidikan Sains)*, 3(2), 367-375. DOI: <https://doi.org/10.26740/jpps.v3n2.p367-375>

Ristanto, R. H. (2017). Pengembangan perangkat pembelajaran integrasicooperative integrated reading and composition (circ) dan inkuiri terbimbing serta pengaruhnya terhadap literasi sains dan penguasaan konsep biologi mahasiswa pgsd universitas pakuan, (Unpublished Doctoral Thesis). Malang: Universitas Negeri Malang.

Saefudin, A. A. (2014). Pengembangan kemampuan berpikir kreatif siswa dalam pembelajaran matematika dengan pendekatan pendidikan matematika realistik indonesia. *Al-Bidayah*, 4(1), 37-48. DOI: <https://doi.org/10.14421/al-bidayah.v4i1.10>

Sari, D. N. (2021). Pengaruh penggunaan discovery learning dengan scramble terhadap keaktifan belajar dan hasil belajar matematika siswa kelas x sma n 1 klego kabupaten boyolali semester ii tahun pelajaran 2020/2021. *secondary: Jurnal Inovasi Pendidikan Menengah*, 1(3), 136-149. DOI: <https://doi.org/10.51878/secondary.v1i3.320>

Sari, E. N., Nilawarni, R., & Heryanti, E. (2018). The Effect of Two Stay Two

Stray (TSTS) Technique of Cooperative Learning Model toward Students Biology Learning Outcomes. *Biosfer: Jurnal Pendidikan Biologi*, 7(1), 25-29. DOI : <https://doi.org/10.21009/biosferjpb.7-1.4>

Shoimin. (2014). *Model Pembelajaran Inovatif dalam Kurikulum 2013*. Yogyakarta: AR-ruz.

Sigit, D. V., Ernawati, E. , & Qibtiah, M. (2017). Hubungan Pengetahuan Lingkungan Hidup dengan Kemampuan Pemecahan Masalah Pencemaran Lingkungan pada Siswa SMAN 6 Tangerang. *Biosfer: Jurnal Pendidikan Biologi*, 10(2), 1-6
DOI:<https://doi.org/10.21009/biosferjpb.10-2.1>

Simatupang, H. & Purnama, D. (2019). Analisis Pelaksanaan Kurikulum 2013 Ditinjau dari Standar Proses dalam Pembelajaran IPA Kelas VII SMP Al-Ulum Kota Medan. *Biolokus*, 2(1), 135-138. DOI: <http://dx.doi.org/10.30821/biolokus.v2i1.438>

Stojanovska, M. (2018). Chemistry Games in the Classroom: A Pilot Study. *Journal of Research in Science Mathematics and Technology Education*, 1(2), 113-142. DOI: 10.31756/jrsmte.121

Subali, B. (2013). *Kemampuan berpikir pola divergen dan berpikir kreatif dalam keterampilan proses sains*. Yogyakarta : UNY

Sulaiman. (2013). Efektifitas Model Pembelajaran Novick Dalam Pembelajaran Kimia Kelas XII IA 2 SMAN 1 Donri-Donri". *Jurnal Chemica*, 13(2), 67-73. DOI: <https://doi.org/10.35580/chemica.v13i2.629>

Suryanda, A., Azrai, E. P., & Julita, A. (2020). Analisis Kebutuhan Pengembangan Buku Saku Biologi Berbasis Mind Map (BIOMAP). *Jurnal Pendidikan Matematika dan IPA*, 11(1), 86-98. DOI: <http://dx.doi.org/10.26418/jpmipa.v11i1.31861>

Suryanda, A., Ernawati, E. & Maulana, A. (2018). Pengembangan Modul Multimedia Mobile Learning dengan Android Studio 4.1 Materi Keanekaragaman Hayati bagi Siswa SMA Kelas X. *Biosfer: Jurnal Pendidikan Biologi*, 9(1), 55-64. DOI: <https://doi.org/10.21009/biosferjpb.9-1.9>

Susanto, A. (2013). *Teori Belajar dan Pembelajaran di Sekolah Dasar*. Jakarta: Kencana Prenadamedia Group.

Susiati, A., Adisyahputra, A., & Miarsyah, M. (2018). Correlation of comprehension reading skill and higher-order thinking skill with scientific literacy skill of senior high school biology teacher. *Biosfer: Jurnal Pendidikan Biologi*, 11(1), 1-12. DOI: <https://doi.org/10.21009/biosferjpb.11-1.1>

Thalib, A.D. Corebima, and A. Gofur. (2017). Comparison on Critical Thinking

Skill and Cognitive Learning Outcome Among Students of X Grade with High and Low Academic Ability in Ternate Through Reading Questioning Answering (RQA) Strategy. *Journal Pendidikan Sains*, 5, 26-31. DOI: [10.17977/jps.v5i1.9018](https://doi.org/10.17977/jps.v5i1.9018)

Toharudin, U., Hendrawati, S., & Rustaman. (2011). *Membangun Literasi Sains Peserta Didik*. Bandung: Humaniora

Treffinger, D. J., Selby, E. C., & Isaksen, S. G. (2008). Understanding individual problem-solving style: a key to learning and applying creative problem solving. *Learning and Individual Differences*, 18(4), 390–401. DOI: <https://doi.org/10.1016/j.lindif.2007.11.007>

Zayyinah, Z., Erman, E., Supardi, Z.A., Hariyono, E., & Prahani, B.K. (2022). STEAM-Integrated Project Based Learning Models: Alternative to Improve 21st Century Skills. *Advances in Social Science, Education and Humanities Research*, 627, 251-258. DOI :[10.2991/assehr.k.211229.039](https://doi.org/10.2991/assehr.k.211229.039)

Zubaidah, S. (2015). Asesmen Berpikir Kritis Terintegrasi Tes Essay. In *Prosiding Symposium on Biology Education (Symbion)* (pp. 200-209)

