

DAFTAR PUSTAKA

- Afifudin, A. A., & Fadly, W. (2021). Pemulihan Berpikir Kritis Peserta Didik Menggunakan Model Pictorial Riddle Dengan Pendekatan STEM. *Jurnal Tadris IPA Indonesia*, 1(3), 436–448.
- Agusstiawan, E., Werdhiana, I. K., & Jarnawi, M. (2021). Analisis Kemampuan Siswa dalam Menafsirkan Grafik Proses Termodinamika. *Jurnal Kreatif Online (JKO)*, 9(3), 100–106. <https://doi.org/10.22487/me.v17i2.1320>
- Aiman, U., Hasyda, S., & Uslan. (2020). The Influence of Process Oriented Guided Inquiry Learning (POGIL) Model Assisted by Realia Media to Improve Scientific Literacy and Critical Thinking Skill of Primary School Students. *European Journal of Educational Research*, 9(4), 1635–1647. <https://doi.org/10.12973/EU-JER.9.4.1635>
- Aiwan, A., Kustati, M., & Sepriyanti, N. (2023). Teori Belajar Muncul Bersamaan dengan Teori Belajar Kognitif. *Jurnal Ilmiah Kanderang Tingang*, 14(2), 302–311. <https://doi.org/https://doi.org/10.37304/jikt.v14i2.238>
- Ananda, R., & Hayati, F. (2020). Variabel Belajar: Kompilasi Konsep. In *CV. Pusdikra MJ*. CV. Pusdikra MJ.
- Anderson, L. W., Krathwohl, D. R., Airasian, P. W., Cruikshank, K. A., Mayer, R. E., Pintrich, P. R., Raths, J., & Wittrock, M. C. (2001). *A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives*. Longman.
- Anggraeni, H., Rahayu, S., Rusdi, R., & Ichsan, I. Z. (2018). Pengaruh Reciprocal Teaching dan Problem Based Learning terhadap Kemampuan Berpikir Kritis Peserta Didik SMA pada Materi Sistem Reproduksi. *Biota: Biologi Dan Pendidikan Biologi*, 11(1), 77–95. <https://doi.org/10.20414/jb.v11i1.84>
- Anisa, N., & Irmawanty, A. (2021). Pengaruh Model Pembelajaran Discovery Learning Terhadap Hasil Belajar Biologi Pada Materi Fungi. *Binomial*, 4(1), 26–37. <https://doi.org/10.46918/bn.v4i1.843>
- Aprilyani, A., Mahanal, S., & Sulisetijono, S. (2020). Does RICOSRE Learning Have The Potential to Improve Students' Decision Making Ability? *Jurnal Pendidikan Sains*, 8(1), 7–11.

- <https://doi.org/http://dx.doi.org/10.17977/jps.v8i1.13657>
- Apriyanti, A. (2019). *The Implementation Of Discovery Learning Model In Teaching English At A High School In Yogyakarta*. 1–12.
- Arikunto, S. (2013). *Prosedur Penelitian: Suatu Pendekatan Praktik*. PT Rineka Cipta.
- Arrohman, D. A., Wahyuni, A. L. E., Wilujeng, I., & Suyanta, S. (2022). Implementasi Penggunaan LKPD Pencemaran Air Berbasis STEM dan Model Learning Cycle 6E Terhadap Kemampuan Literasi Sains. *Jurnal Pendidikan Sains Indonesia*, 10(2), 279–293.
<https://doi.org/10.24815/jpsi.v10i2.23584>
- Asyafah, A. (2019). Menimbang Model Pembelajaran (Kajian Teoretis-Kritis atas Model Pembelajaran dalam Pendidikan Islam). *TARBAWY: Indonesian Journal of Islamic Education*, 6(1), 19–32.
<https://doi.org/10.17509/t.v6i1.20569>
- Ayu, N. A., Suryanda, A., & Dewi, R. (2018). Hubungan Kebiasaan Membaca dengan Kemampuan Literasi Sains Siswa SMA Di Jakarta Timur. *Bioma: Jurnal Ilmiah Biologi*, 7(2), 161–171.
<https://doi.org/10.26877/bioma.v7i2.2804>
- Azizah, N., Mahanal, S., Zubaidah, S., & Setiawan, D. (2020). The effect of RICOSRE on students' critical thinking skills in biology. *AIP Conference Proceedings*. <https://doi.org/10.1063/5.0000562>
- Azrai, E. P., Erna Heryanti, Zain, A., & Pratiwi Ningsih. (2022). Problem-Solving Ability: Implementation of RICOSRE Learning Models on Environmental Change Topic. *JPBI (Jurnal Pendidikan Biologi Indonesia)*, 8(2), 95–104.
<https://doi.org/10.22219/jpbi.v8i2.21748>
- Badriah, L., Mahanal, S., Lukiat, B., & Saptasari, M. (2023). Collaborative Mind Mapping- Assisted RICOSRE to Promote Students ' Problem-Solving Skills. *Participatory Educational Research*, 10(4), 166–180.
- Bahtiar, Ibrahim, & Maimun. (2022). Analysis of Student' Scientific Literacy Skill in Terms of Gender Using Science Teaching Materials Discovery Model Assisted by PhET Simulation. *Jurnal Pendidikan IPA Indonesia*,

- 11(3), 371–386. <https://doi.org/10.15294/jpii.v11i3.37279>
- Buana, F. S., & Anugraheni, I. (2020). Perbedaan Discovery Learning dengan Problem Based Learning Terhadap Kemampuan Pemecahan Masalah pada Pembelajaran IPS Sekolah Dasar. *Nusantara: Jurnal Ilmu Pengetahuan Sosial*, 7(1), 79–90.
- Cansiz, N., & Cansiz, M. (2019). Evaluating Turkish Science Curriculum with PISA Scientific Literacy Framework. *Turkish Journal of Education*, 8(3), 217–236. <https://doi.org/10.19128/turje.545798>
- Chelvan, L., Surif, J., & Ibrahim, N. H. (2019). Difficulties to Master Scientific Literacy Competencies Among Secondary School Students. *International Journal of Recent Technology and Engineering*, 7(6), 781–784.
- Creswell, J. W. (2015). *Educational research: planning, conducting, and evaluating quantitative and qualitative research* (Fifth Edit). Educational research : planning, conducting, and evaluating quantitative and qualitative research.
- Darwati, I. M., & Purana, I. M. (2021). Problem Based Learning (PBL): Suatu Model Pembelajaran Untuk Mengembangkan Cara Berpikir Kritis Peserta Didik. *Widya ACCARYA: Jurnal Kajian Pendidikan FKIP Universitas Dwijendra*, 12(1), 61–69.
- Dissen, A., Qadiri, Q., & Middleton, C. J. (2021). I Read It Online: Understanding How Undergraduate Students Assess the Accuracy of Online Sources of Health Information. *American Journal of Lifestyle Medicine*, 16(5), 641–654. <https://doi.org/10.1177/1559827621990574>.
- Djunaidi, A., Fauzan, Saihan, & Dawiyah Farichah, S. (2022). Categorization Of Students' Systemic Thinking In Solving A Decision Making Problem. *Journal of Positive School Psychology*, 6(8), 6497–6508. <http://journalppw.com>
- Dolapcioglu, S., & Subasi, M. (2022). The Relationship Between Scientific Process Skills and Science Achievement: A Meta-Analysis Study. *Journal of Science Learning*, 5(2), 363–372. <https://doi.org/10.17509/jsl.v5i2.39356>
- Efendi, F., Fitria, Y., F, F., & Hadiyanto. (2020). Perbedaan Model Problem

- Based Learning dengan Discovery Learning terhadap Higher Order Thinking Skills dan Self Directed Learning di Sekolah Dasar. *Jurnal Basicedu*, 5(1), 301–309. <https://doi.org/10.31004/basicedu.v5i1.647>
- Eskris, Y. (2021). Meta Analisis Pengaruh Model Discovery Learning dan Problem Based Learning terhadap Kemampuan Berfikir Kritis Peserta didik Kelas V SD. *Mahaguru: Jurnal Pendidikan Guru Sekolah Dasar*, 2(1), 6.
- Fraenkel, J. R., Wallen, N. E., & Hyun, H. H. (2009). How to Design and Evaluate Research in Education. In *McGraw-Hill Higher Education* (Issue 0). McGraw Hill.
- Gormally, C., Brickman, P., & Lut, M. (2012). Developing a Test of Scientific Literacy Skills (TOSLS): Measuring Undergraduates' Evaluation of Scientific Information and Arguments. *CBE Life Sciences Education*, 11(4), 364–377. <https://doi.org/10.1187/cbe.12-03-0026>
- Graham, S., Kiuhara, S. A., & MacKay, M. (2020). The Effects of Writing on Learning in Science, Social Studies, and Mathematics: A Meta-Analysis. *Review of Educational Research*, 90(2), 179–226. <https://doi.org/10.3102/0034654320914744>
- Gunawan, D. (2020). Pengaruh Media Video Interaktif Terhadap Hasil Belajar Kognitif Kelasa Iv Sd Negeri 2 Karangrejo Trenggalek. *EDUPROXIMA: Jurnal Ilmiah Pendidikan IPA*, 2(1), 1–9. <https://doi.org/10.29100/eduproxima.v2i1.1489>
- Haka, N. B., Sari, L. K., Supriyadi, Handoko, A., Hidayah, N., & Masya, H. (2023). Model Pembelajaran RICOSRE Berbantuan Podcast Terhadap Peningkatan Keterampilan Komunikasi dan Berpikir Analisis pada Mata Pelajaran Biologi Kelas XI. *J-HyTEL: Journal Hypermedia & Technology-Enhanced Learning*, 1(1), 15–22. <https://doi.org/10.58536/j-hytel.v1i1.23>
- Hakim, A. R., & Hairunisa. (2022). Penerapan Model Project Based Learning (PjBL) dalam Pembelajaran Tematik di SDN Inpres Lewidewa. *Madaniya*, 3(3), 606–613. <https://doi.org/10.53696/27214834.254>
- Handayani, F., & Fauzi. (2023). Kendala-kendala yang Dihadapi Digital Native

- dalam Pencarian Informasi. *Shaut Al-Maktabah Jurnal Perpustakaan, Arsip Dan Dokumentasi*, 15(1), 31–39.
- He, Y., Du, X., Toft, E., Zhang, X., Qu, B., Shi, J., Zhang, H., & Zhang, H. (2017). A comparison between the effectiveness of PBL and LBL on improving problem-solving abilities of medical students using questioning. *Innovations in Education and Teaching International*, 55(1), 44–54. <https://doi.org/10.1080/14703297.2017.1290539>
- Hidayat, D., Siswono, T. Y. E., Hartono, S., Prihartiwi, N. R., & Kohar, A. W. (2019). The Performance of Prospective Teachers in Interpreting Graphs on context-based tasks. *Journal of Physics: Conference Series*, 1417(1), 1–6. <https://doi.org/10.1088/1742-6596/1417/1/012065>
- Hikmah, S., Devani, A., & Ngazizah, N. (2019). HOTS (High Order Thinking Skills) dan Kaitannya dengan Kemampuan Literasi Sains Pembelajaran IPA SD. *Seminar Nasional Pendidikan Dan Call for Papers (SNDIK) I 2019.*, 148–152. <https://publikasiilmiah.ums.ac.id/handle/11617/11193>
- Husna, N., Halim, A., Evendi, E., Syukri, M., Nur, S., Elisa, E., & Khaldun, I. (2022). Impact of Science Process Skills on Scientific Literacy. *Jurnal Penelitian Pendidikan IPA*, 8(4), 2123–2129. <https://doi.org/10.29303/jppipa.v8i4.1887>
- Ika Noviyanti, N., Rosyadah Mukti, W., Dahlia Yuliskurniawati, I., Mahanal, S., & Zubaidah, S. (2019). Students' scientific argumentation skills based on differences in academic ability. *IOP Conf. Series: Journal of Physics: Conf. Series*. <https://doi.org/10.1088/1742-6596/1241/1/012034>
- Indrasari, D., Sarjana, K., Arjudin, A., & Hapipi, H. (2022). Efektivitas Model Pembelajaran Problem Solving dengan Teori Bruner terhadap Hasil Belajar Siswa Kelas VII Materi Pecahan. *Griya Journal of Mathematics Education and Application*, 2(1), 141–151. <https://doi.org/10.29303/griya.v2i1.138>
- Intaros, P., Inprasitha, M., & Srisawadi, N. (2014). Students' Problem Solving Strategies in Problem Solving-mathematics Classroom. *Procedia - Social and Behavioral Sciences*, 4119 – 4123. <https://doi.org/10.1016/j.sbspro.2014.01.901>

- Jayawardana, H. B. A., & Gita, R. S. D. (2020). Inovasi Pembelajaran Biologi di Era Revolusi Industri 4 . 0. *Prosiding Seminar Nasional Biologi Di Era Pandemi Covid-19*, 6(1), 58–66. <https://doi.org/https://doi.org/10.24252/psb.v6i1.15544>
- Jones, R. E., & Lopez, K. H. (2014). Human Reproductive Biology. In *Human Reproductive Biology: Fourth Edition* (Fourth Edi). Academic Press. <https://doi.org/10.1016/C2009-0-30628-5>
- Jufrida, Basuki, F. R., Pangestu, M. D., & Prasetya, N. A. D. (2019). Analisis Faktor yang Mempengaruhi Hasil Belajar IPA dan Literasi Sains Di SMP Negeri 1 Muaro Jambi. *EduFisika: Jurnal Pendidikan Fisika*, 4(02), 31–38. <https://doi.org/10.22437/edufisika.v4i02.6188>
- Karataş, F. Ö., Orçan, F., Çelik, S., Uludüz, Ş. M., Bektaş, B. T., & Akaygün, S. (2022). Perception and Reality: Two Dimensions of Scientific Literacy Measures. *Journal of Turkish Science Education*, 19(1), 129–143. <https://doi.org/10.36681/tused.2022.114>
- Khasinah, S. (2021). Discovery Learning: Definisi, Sintaksis, Keunggulan dan Kelemahan. *Jurnal MUDARRISUNA: Media Kajian Pendidikan Agama Islam*, 11(3), 402. <https://doi.org/10.22373/jm.v11i3.5821>
- Kompri. (2017). *Belajar: Faktor-faktor yang Mempengaruhinya*. Media Akademi.
- Kristyowati, R., & Purwanto, A. (2019). Pembelajaran Literasi Sains melalui Pemanfaatan Lingkungan. *Scholaria: Jurnal Pendidikan Dan Kebudayaan*, 9(2), 183–191.
- Kulsum, N. N. S., Surahman, E., & Ali, M. (2020). Implementasi Model Discovery Learning Terhadap Literasi Sains Dan Hasil Belajar Peserta Didik Pada. *Biodidaktika: Jurnal Biologi Dan Pembelajarannya*, 15(2), 55–65.
- Kurniati, A., Julung, H., & Lestari, F. (2020). Studi Hasil Belajar Kognitif pada Materi Udara Bersih Bagi Pernapasan melalui Model Numbered Heads Together. *JPBIO (Jurnal Pendidikan Biologi)*, 5(1), 106–113. <https://doi.org/10.31932/jpbio.v5i1.625>
- Kurniawan, A., Mukhadis, A., & Widiyanti. (2019). 21st Century Skills sebagai Upaya Pengembangan Kapabilitas Siswa SMK di Fourth Industrial

- Revolution Era. *Jurnal Pendidikan: Teori, Penelitian, Dan Pengembangan*, 4(7), 857–862.
- Lase, D. (2019). Pendidikan di Era Revolusi Industri 4.0. *SUNDERMANN: Jurnal Ilmiah Teologi, Pendidikan, Sains, Humaniora Dan Kebudayaan*, 12(2), 28–43. <https://doi.org/https://doi.org/10.36588/sundermann.v1i1.18>
- Lase, E. K., & Purba, F. J. (2020). Upaya Meningkatkan Hasil Belajar Kognitif Kimia Siswa dengan Menggunakan Metode Latihan (Drill). *SAP (Susunan Artikel Pendidikan)*, 5(1), 18–25. <https://doi.org/10.30998/sap.v5i1.6501>
- Lestari, D. G., & Irawati, H. (2020). Literature Review: Peningkatan Hasil Belajar Kognitif Dan Motivasi Siswa Pada Materi Biologi Melalui Model Pembelajaran Guided Inquiry. *Bioma*, 2(2), 51–59.
- Li, J. (2019). Encouraging Reading Habit among Chinese University Students. *Journal of Contemporary Educational Research*, 3(3), 1–5. <https://doi.org/10.26689/jcer.v3i3.702>
- Mader, S. S., & Windelspecht, M. (2018). *Essential of Biology* (Fifth Edit). McGraw-Hill Education.
- Mahanal, S., & Zubaidah, S. (2017). Model Pembelajaran RICOSRE yang Berpotensi Memberdayakan Keterampilan Berpikir Kreatif. *Jurnal Pendidikan: Teori, Penelitian, Dan Pengembangan*, 2(5), 676–685.
- Mahanal, S., Zubaidah, S., Mukti, W. R., Agustin, M., & Setiawan, D. (2021). Promoting Male and Female Students' Scientific Literacy Skills Through RICOSRE Learning Model. *AIP Conference Proceedings*. <https://doi.org/10.1063/5.0043309>
- Mahanal, S., Zubaidah, S., Setiawan, D., Maghfiroh, H., & Muhammin, F. G. (2022). Empowering College Students' Problem-Solving Skills through RICOSRE. *Education Sciences*, 12(3), 196. <https://doi.org/10.3390/educsci12030196>
- Mahanal, S., Zubaidah, S., Sumiati, I. D., Sari, T. M., & Ismirawati, N. (2019). RICOSRE: A Learning Model to Develop Critical Thinking Skills for Students with Different Academic Abilities. *International Journal of Instruction*, 12(2), 417–434. <https://doi.org/10.29333/iji.2019.12227a>

- Manisa, T., Mahanal, S., & Rohman, F. (2020). Empowering Problem-Solving Skills Through RICOSRE Learning Model. *Jurnal Pendidikan Sains*, 8(1), 12–15. <http://journal.um.ac.id/index.php/jpsISSN:2338-9117>
- Marieb, E. N., & Keller, S. M. (2022). *Essentials of Human Anatomy & Physiology*. Pearson Education.
- Marlina, L., & Sholehun. (2021). Analisis Faktor-faktor yang Mempengaruhi Hasil Belajar Bahasa Indonesia pada Siswa Kelas IV SD Muhammadiyah Majaran Kabupaten Sorong. *FRASA: Jurnal Keilmuan, Bahasa, Sastra, Dan Pengajarannya*, 2(1), 66–74.
- Mawaddah, K., Mahanal, S., Gofur, A., Setiawan, D., & Zubaidah, S. (2021). RICOSRE: An innovative learning model to promote scientific literacy. *AIP Conference Proceedings*. <https://doi.org/10.1063/5.0043303>
- Mazzilli, F. (2022). Erectile Dysfunction: Causes, Diagnosis and Treatment: An Update. *Journal of Clinical Medicine*, 11(21), 2–6. <https://doi.org/10.3390/jcm11216429>
- Mcneill, K. L., Lizotte, D. J., & Krajcik, J. (2006). Supporting Students' Construction of Scientific Explanations by Fading Scaffolds in Instructional Materials. *The Journal of the Learning Sciences*, 15(2), 153–191.
- Mirdad, J. (2020). Model-Model Pembelajaran (Empat Rumpun Model Pembelajaran). *Indonesia Jurnal Sakinah*, 2(1), 14–23. <https://doi.org/https://doi.org/10.2564/js.v2i1.17>
- Mispani, Abrori, M. S., Hasyim, U. A. A., Kushenda, & Muslimah. (2021). Higher Order Thinking Skills (HOTS) and Lower Order Thinking Skills (LOTS) on UM-PTKIN Questions on Islamic Religious Education Materials. *Jurnal Iqra': Kajian Ilmu Pendidikan*, 6(2), 239–260. <http://digilib.iain-palangkaraya.ac.id/3849/1/JURNAS HIGHER ORDER MUSLIMAH.pdf>
- Mubarak, Sauria, N., Kartini, Rosanty, A., Ardyawan, L. O. M. A., Romantika, I. W., Nasruddin, N. I., Patawari, A., Jasmin, M., Asriati, Firman, Devianti, R., Rahim, E., Lestari, D. R., & Herman. (2022). *Anatomi Fisiologi Tubuh Manusia*. Eureka Media Aksara.

- Mustain, I. (2015). Kemampuan Membaca dan Interpretasi Grafik dan Data: Studi Kasus pada Siswa Kelas 8 SMPN. *Scientiae Educatia*, 5(2), 1–11. www.syekhnurjati.ac.id
- Nadhifah, S. L., Rahmawati, R. C., Minarti, I. B., & Budiaستuti. (2023). Efektivitas Pembelajaran Berbasis Masalah terhadap Hasil Belajar Kognitif Siswa SMP Materi Sistem Sirkulasi. *JOURNAL ON TEACHER EDUCATION*, 5(1), 242–250.
- Noviyanti, N. I., Mahanal, S., & Zubaidah, S. (2018). Do RICORSE Potentially Able to Diminish Student's Cognitive Learning Outcomes on Different Academic? *Jurnal Pendidikan Sains*, 6(3), 80–87. <https://doi.org/http://dx.doi.org/10.17977/jps.v6i3.11792>
- Nugraheni, D., Suyanto, S., & Harjana, T. (2017). Pengaruh Siklus Belajar 5E terhadap Kemampuan Literasi Sains pada Materi Sistem Saraf Manusia. *Jurnal Prodi Pendidikan Biologi*, 6(4), 178–188. <https://doi.org/https://doi.org/10.21831/edubio.v6i4.8099>
- OECD. (2019). *PISA 2018 Assessment and Analytical Framework*. OECD Publishing. <https://doi.org/https://doi.org/10.1787/b25efab8-en>.
- OECD. (2023). *PISA 2022 Result (Volume 1): The State of Learning and Equity in Education*. OECD Publishing. <https://doi.org/https://doi.org/10.1787/53f23881-en>.
- Paat, M., Kawuwung, F. R., & Mokalu, Y. B. (2021). Penerapan LKS Model Pembelajaran Berbasis Masalah Untuk Meningkatkan Kemampuan Berpikir Tingkat Tinggi SMPN 5 Tondano. *JISIP (Jurnal Ilmu Sosial Dan Pendidikan)*, 5(2), 469–476. <https://doi.org/10.36312/jisip.v5i2.1979>
- Pratama, S., Idrus, A. A. I. Al, Kusmiyati, K., & Setiadi, D. (2021). Identifikasi Pemahaman Konsep Sistem Reproduksi dengan Menggunakan Instrumen Three Tier Test di Lombok Barat. *Jurnal Pijar MIPA*, 16(1), 30–38. <https://doi.org/10.29303/jpm.v16i1.2126>
- Priadana, M. S., & Sunarsi, D. (2021). *Metode Penelitian Kuantitatif*. Pascal Books.
- Pujawan, I. G. N., Rediani, N. N., Antara, I. G. W. S., Putri, N. N. C. A., & Bayu,

- G. W. (2022). Revised Bloom Taxonomy-Oriented Learning Activities To Develop Scientific Literacy and Creative Thinking Skills. *Jurnal Pendidikan IPA Indonesia*, 11(1), 47–60. <https://doi.org/10.15294/jpii.v11i1.34628>
- Purba, D. T., & Werdhiana, I. K. (2021). Deskripsi Pemahaman Siswa SMA Tentang Grafik Usaha dan Energi. *Jurnal Pendidikan Fisika Tadulako Online*, 9(2), 13–17.
- Putri, R. R., Mahanal, S., & Rohman, F. (2020). The Potential of RICOSRE in Improving Scientific Reasoning of Students with Different Academic Ability. *Jurnal Pendidikan Sains*, 8(1), 16–21. <http://journal.um.ac.id/index.php/jpsISSN:2338-9117>
- Qiftiyah, M. (2020). Improving Cognitive Development of Students by Reading Corner Program in Elementary School level. *MUDARRISA: Jurnal Kajian Pendidikan Islam*, 12(1), 18–33. <https://doi.org/10.18326/mdr.v12i1.18-33>
- Raharjo, D., & Muljani, S. (2018). Pembelajaran Berkarakteristik Inovatif Abad 21 pada Materi Kemandirian Karir Peserta didik dengan Metode Pembelajaran Berbasis Masalah (Pbl) di SMK Negeri 1 Adiwerna Tegal. *Cakrawala: Jurnal Pendidikan*, 87–104. <https://doi.org/10.24905/cakrawala.vi0.173>
- Rahmawati, D. P., Mahanal, S., & Lestari, U. (2021). Pengaruh Model Pembelajaran RICOSRE terhadap Keterampilan Berpikir Analitis pada Siswa Kelas X SMA. *Jurnal Pendidikan: Teori, Penelitian, Dan Pengembangan*, 6(10), 1650. <https://doi.org/10.17977/jptpp.v6i10.15074>
- Rahmawati, R., Heleni, S., & Armis. (2020). Penerapan Model Problem Based Learning untuk Meningkatkan Hasil Belajar Matematika Siswa Kelas VIII-B SMP PGRI Pekanbaru Tahun Pelajaran 2019/2020. *JURING (Journal for Research in Mathematics Learning)*, 3(4), 375–384. <https://doi.org/10.24014/juring.v3i4.10218>
- Ramdhani, E. P., Khoirunnisa, F., & Siregar, N. A. N. (2020). Efektifitas Modul Elektronik Terintegrasi Multiple Representation pada Materi Ikatan Kimia. *Journal of Research and Technology*, 6(1), 162–167. <https://journal.unusida.ac.id/index.php/jrt/article/view/152>

- Rohmaya, N., Suardana, I. N., & Tika, I. N. (2023). Efektifitas E-LKPD Kimia SMA/MA dengan Model Pembelajaran Berbasis Masalah Berkonteks Isu-isu Sosial Sains dalam Meningkatkan Literasi Sains Peserta Didik. *Jurnal Pendidikan MIPA*, 13(1), 25–33. <https://doi.org/10.37630/jpm.v13i1.825>
- Saija, M., Rahayu, S., Fajaroh, F., & Sumari. (2022). Enhancement of High School Students' Scientific Literacy Using Local-Socioscientific Issues in Oe3C Instructional Strategies. *Jurnal Pendidikan IPA Indonesia*, 11(1), 11–23. <https://doi.org/10.15294/jpii.v11i1.33341>
- Sari, S. P., Aprilia, S., & Khalifatussadiah. (2020). Penggunaan Metode Make A Match untuk Meningkatkan Hasil Belajar Siswa SD. *EJoES (Educational Journal of Elementary School)*, 1(1), 19–24. <https://doi.org/https://doi.org/10.30596/ejoes.v1i1.4554>
- Savitri, K. (2020). Efektivitas Hasil Belajar IPA Melalui Model Discovery Learning Berbantuan Media Visual Siswa Kelas IV SD. *Jurnal Edutech Undiksha*, 8(1), 46–58. <https://doi.org/10.23887/jeu.v8i1.25194>
- Setiono, B. A. (2019). Peningkatan Daya Saing Sumber Daya Manusia Dalam Menghadapi Revolusi Industri 4.0. *Jurnal Aplikasi Pelayaran Dan Kepelabuhanan*, 9(2), 179–185. <https://doi.org/10.30649/jurapk.v9i2.67>
- Setyaningrum, W., Riani, A. L., & Wardani, D. K. (2020). Comparison of Problem-Based Learning and Discovery Learning Model. *International Journal of Multicultural and Multireligious Understanding*, 7(3), 305–313.
- Soleha, F., Akhwani, Nafiah, & Rahayu, D. W. (2021). Model Pembelajaran Contextual Teaching and Learning untuk Meningkatkan Hasil Belajar Pkn di Sekolah Dasar. *Jurnal Basicedu*, 5(5), 3117–3124. <https://doi.org/https://doi.org/10.31004/basicedu.v5i5.1285>
- Sugiyono. (2021). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D* (Edisi Kedu). Alfabeta.
- Sumanik, N. B., Nurvitasari, E., & Siregar, L. F. (2021). Analisis Profil Kemampuan Literasi Sains Mahasiswa Calon Guru Pendidikan Kimia. *Quantum: Jurnal Inovasi Pendidikan Sains*, 12(1), 22–32. <https://doi.org/http://dx.doi.org/10.20527/quantum.v12i1.10215>

- Sumiati, I. D., Mahanal, S., & Zubaidah, S. (2018). Potensi Pembelajaran RICOSRE pada Peningkatan Hasil Belajar Kognitif Siwa Kelas XI. *Jurnal Pendidikan: Teori, Penelitian Dan Pengembangan*, 3(10), 1319–1322.
- Sunarto, M. F., & Amalia, N. (2022). Penggunaan Model Discovery Learning Guna Menciptakan Kemandirian dan Kreativitas Peserta Didik. *BAHTERA: Jurnal Pendidikan Bahasa Dan Sastra*, 21(1), 94–100.
- Suryandari, K. C., Sajidan, Rahardjo, S. B., Prasetyo, Z. K., & Fatimah, S. (2018). Project-Based Science Learning and Pre-Service Teacher' Science Literacy Skill and Creative Thinking. *Cakrawala Pendidikan*, 37(3), 345–355. <https://doi.org/https://doi.org/10.21831/cp.v38i3.17229>
- Susongko, P., Arfiani, Y., & Kusuma, M. (2021). Determination of Gender Differential Item Functioning in Tegal-Students' Scientific Literacy Skills with Integrated Science (SLiSIS) Test Using RASCH Model. *Jurnal Pendidikan IPA Indonesia*, 10(2), 270–281. <https://doi.org/10.15294/jpii.v10i2.26775>
- Sutikno, A. N. (2020). Bonus demografi di indonesia. *Visioner: Jurnal Pemerintahan Daerah Di Indonesia*, 12(2), 421–439. <https://doi.org/https://doi.org/10.54783/jv.v12i2.285>
- Topal, R., & Shargh, F. (2023). Teaching Students How to Find and Identify Reliable Online Sources: A Series of Exercises. *Journal of Political Science Education*, 19(3), 475–484. <https://doi.org/10.1080/15512169.2022.2163899>
- Trilaksono, S., Permana, A., & Sukawati, S. (2023). Pemanfaatan Media Blogger dalam Pembelajaran Menulis Cerpen Menggunakan Model Discovery Learning Pada Siswa Kelas X SMKN 02 Baleendah. *Parole: Jurnal Pendidikan Bahasa Dan Sastra Indonesia*, 6(2), 109–122.
- Urry, L. A., Cain, M. L., Minorsky, P. V., Wasserman, S. A., & Orr, R. B. (2020). *Campbell Biology* (Twelfth Ed). Pearson Education.
- Vitasari, S. D., & Supahar. (2018). Assessment Instrument of Scientific Literacy Skills on Motion and Simple Machines Learning Based on Nature of Science. *International Journal of Sciences: Basic and Applied Research (IJSBAR)*, 40(1), 108–119.

<https://www.gssrr.org/index.php/JournalOfBasicAndApplied/article/view/9095>

- Wati, D. S., Siahaan, S. M., & Wiyono, K. (2021). Efektivitas Learning Management System Chamilo Materi Gerak Harmonik Sederhana Terhadap Hasil Belajar Peserta Didik. *LENZA (Lentera Sains): Jurnal Pendidikan IPA*, 11(2), 100–109. <https://doi.org/10.24929/lensa.v11i2.166>
- Yuliskurniawati, I. D., Mahanal, S., Zubaidah, S., & Gofur, A. (2019). The Potential of RICOSRE's Learning Model in Improving Cognitive Learning Outcomes. *Jurnal Pendidikan Sains*, 7(2), 51–57.