

Lampiran 1 Data Artikel Jurnal yang Ditemui

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Link |
|----|---|--|---|-------|--|---|
| 1 | Ariyati, Puji Sukrawarpala, I Wayan Santyasa, I Wayan | Problem Based E-Learning Dalam Pembelajaran Kimia di SMA | Kwangsan: Jurnal Teknologi Pendidikan | 2021 | 10.31800/jtp.kw.v9n1.p70--89 e-ISSN : 23389184 p-ISSN : 23389184 | https://jurnalkwangsan.kemdikbud.go.id/index.php/jurnalkwangsan/article/view/291 |
| 2 | Ariyatun, Ariyatun Octavianelis, Dissa Feby | Pengaruh Model Problem Based Learning Terintegrasi Stem Terhadap Kemampuan Berpikir Kritis Siswa | JEC: Journal of Educational Chemistry | 2020 | 10.21580/jec.2020.2.1.5434 e-ISSN : 26854880 p-ISSN : 27153029 | https://journal.walisongo.ac.id/index.php/jec/article/view/5434 |
| 3 | Aulia, Mona Rezki Hamid, Abdul | Pengaruh Pembelajaran Daring Terhadap Keterampilan Berpikir Kritis Menggunakan Model Problem Based Learning Berbasis Etnosains Pada Materi Kesetimbangan Ion Dalam Larutan Garam | QUANTUM: Jurnal Inovasi Pendidikan Sains | 2021 | pISSN: 2086-7328 eISSN: 2550-0716 | https://ppjp.ulm.ac.id/journal/index.php/quantum/article/view/11231 |
| 4 | Febrianto, Taufan Ngabekti, Sri Saptono, Sigit | The Effectiveness of Schoology-Assisted PBL-STEM to Improve Critical Thinking Ability of Junior High School Students | Journal of Innovative Science Education | 2021 | p-ISSN 2252-6412 e-ISSN 2502-4523 | https://journal.unnes.ac.id/sju/index.php/jise/article/view/42993 |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Link |
|----|---|---|--|-------|--|---|
| 5 | Festiawan, Rifqi Hooi, Lim Boon Widiawati, Prisca Yoda, I Ketut S, Adi Antoni, Muhammad Sigit Nugroho, Arifin Ika | The Problem-Based Learning: How the effect on student critical thinking ability and learning motivation in COVID-19 pandemic? | Journal Sport Area | 2021 | 10.25299/sportarea.2021.vol6(2).6393 e-ISSN : 2528584x p-ISSN : 2527760x | https://journal.uir.ac.id/index.php/JSP/article/view/6393 |
| 6 | Fitriani, Apriza Zubaidah, Siti Susilo, Herawati Al Muhdhar, Mimien Henie Irawati | PBLPOE: A Learning Model to Enhance Students' Critical Thinking Skills and Scientific Attitudes | International Journal of Instruction | 2020 | 10.29333/iji.2020.1327 a e_ISSN ; 13081470, p-ISSN : 1694609X | http://www.e-iji.net/dosyalar/iji_2020_2_7.pdf |
| 7 | Handayani, Sri Lestari Budiarti, Iis Giri Kusmajid, Kusmajid Khairil, Khairil | Problem Based Instruction Berbantuan E-Learning : Pengaruhnya terhadap Kemampuan Berpikir Kritis Peserta Didik Sekolah Dasar | Jurnal Basicedu | 2021 | 10.31004/basicedu.v5i2 .795 e-ISSN : 25801147 p-ISSN : 25803735 | https://jbasic.org/index.php/basicedu/article/view/795 |
| 8 | Hasanah, Hasanah Malik, Muh Nasir | Blended learning in improving students' critical thinking and communication skills at University | Cypriot Journal of Educational Sciences | 2020 | 10.18844/cjes.v15i5.51 68 e-ISSN : 1305905X, p-ISSN : 13059076 | https://www.unpub.eu/ojs/index.php/cjes/article/view/5168 |
| 9 | Hursen, Cigdem | The Effect of Problem-Based Learning Method Supported by Web 2.0 Tools on Academic Achievement and Critical Thinking Skills in Teacher Education | Technology, Knowledge and Learning | 2021 | 10.1007/s10758-020- 09458-2 e-ISSN : 22111662 p-ISSN : 22111670 | https://link.springer.com/10.1007/s10758-020-09458-2 |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Link |
|----|---|---|--|-------|--|---|
| 10 | Isnaeni, W. Rudyatmi, E. Ridlo, S. Ingesti, S. Adiani, L. R. | Improving students' communication skills and critical thinking ability with ICT-oriented problem-based learning and the assessment instruments with HOTS criteria on the immune system material | Journal of Physics: Conference Series | 2021 | 10.1088/1742-6596/1918/5/052048 e-ISSN : 17426588 p- ISSN : 17426596 | https://iopscience.iop.org/article/10.1088/1742-6596/1918/5/052048 |
| 11 | Kamil, Badrul Velina, Yessy Kamelia, Marlina | Students' Critical Thinking Skills in Islamic Schools: The Effect of Problem-Based Learning (PBL) Model | Tadris: Jurnal Keguruan dan Ilmu Tarbiyah | 2019 | 10.24042/tadris.v4i1.4212 e-ISSN : 25797964 p-ISSN : 23017562 | http://ejournal.radenintan.ac.id/index.php/tadris/article/view/4212 |
| 12 | Marnita, M. Taufiq, M. Iskandar, I. Rahmi, R. | The Effect of Blended Learning Problem-Based Instruction Model on Students' Critical Thinking Ability in Thermodynamic Course | Jurnal Pendidikan IPA Indonesia | 2020 | 10.15294/jpii.v9i3.23144 e-ISSN : 20894392 | https://journal.unnes.ac.id/nju/index.php/jpii/article/view/23144 |
| 13 | Mayang, Gendhis Cikal Efendi, Agus Taufik Prakisya, Nurcahya Pradana | The Effectiveness of Problem-Based Learning Assisted by EdPuzzle on Students' Critical Thinking Skills | IJIE (Indonesian Journal of Informatics Education) | 2021 | 10.20961/ijie.v5i1.47264 e-ISSN : 25490389 p-ISSN : 25490389 | https://jurnal.uns.ac.id/ijie/article/view/47264 |
| 14 | Misla, Misla Mawardi, Mawardi | Efektifitas PBL dan Problem Solving Siswa SD Ditinjau dari Kemampuan Berpikir Kritis | Jurnal Ilmiah Sekolah Dasar | 2020 | 10.23887/jisd.v4i1.24279 e-ISSN : 25496174 p-ISSN : 25793276 | https://ejournal.undiksha.ac.id/index.php/JISD/article/view/24279 |

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| 15 | Nasihah, Evi Durotun Supeno, Supeno Lesmono, Albertus Djoko | Pengaruh Tutor Sebaya Dalam Pembelajaran Problem Based Learning Terhadap Keterampilan Berpikir Kritis Fisika Siswa SMA | Jurnal Pendidikan Fisika | 2020 | 10.24127/jpf.v8i1.1899 e-ISSN : 24424838 p-ISSN : 23375973 | |
| 16 | Prasetyo, Fajar Kristin, Firosalia | Pengaruh Model Pembelajaran Problem Based Learning dan Model Pembelajaran Discovery Learning terhadap Kemampuan Berpikir Kritis Siswa Kelas 5 SD | Didaktika Tauhidi : Jurnal Pendidikan Guru Sekolah Dasar | 2020 | 10.30997/dt.v7i1.2645 e-ISSN : 25500252 p-ISSN : 24424554 | https://ojs.unida.ac.id/jtdik/article/view/2645 |
| 17 | Putranta, Himawan Jumadi Wilujeng, Insih | Physics Learning by PhET Simulation-Assisted Using Problem Based Learning (PBL) Model to Improve Students' Critical Thinking Skills in Work and Energy Chapters in MAN 3 Sleman | Asia-Pacific Forum on Science Learning and Teaching | 2019 | e-ISSN 1609-4913 | https://media.proquest.com/media/hms/PFT/1/1Ra2D?s=jLUxlnbwq2PvQ2InwGwtVgzvauo%3D |
| 18 | Putri, Clarissa Desyana Pursitasari, Indarini Dwi Rubini, Bibin | Problem Based Learning Terintegrasi STEM Di Era Pandemi Covid-19 Untuk Meningkatkan Keterampilan Berpikir Kritis Siswa | JUPI (Jurnal IPA dan Pembelajaran IPA) | 2020 | 10.24815/jipi.v4i2.17859 e-ISSN : 2620553X p-ISSN : 26140500 | http://jurnal.unsyiah.ac.id/JUPI/article/view/17859 |
| 19 | Putri, Dini Resita Sueb | Effectiveness of Waste Enviropreneur Learning Tools on Critical Thinking Skills | Journal of Physics: Conference Series | 2021 | 10.1088/1742-6596/1842/1/012029 e-ISSN : 17426588 p-ISSN : 17426596 | https://iopscience.iop.org/article/10.1088/1742-6596/1842/1/012029 |

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| 20 | Ramadhani, R. Bina, N. S. Sihotang, S. F. Narpila, S. D. Mazaly, M. R. | Students' critical mathematical thinking abilities through flip-problem based learning model based on LMS-google classroom | Journal of Physics: Conference Series | 2020 | 10.1088/1742-6596/1657/1/012025 e-ISSN : 17426588 p- ISSN : 17426596 | https://iopscience.iop.org/article/10.1088/1742-6596/1657/1/012025 |
| 21 | Sujanem, Rai Nyoman Putu Suwindra, I. Suswandi, Iwan | The Effectiveness Of Problem-Based Interactive Physics E-Module On High School Students' Critical Thinking | Journal of Physics: Conference Series | 2020 | 10.1088/1742-6596/1503/1/012025 e-ISSN : 17426588 p- ISSN : 17426596 | https://iopscience.iop.org/article/10.1088/1742-6596/1503/1/012025 |
| 22 | Yulianti, Eka Gunawan, Indra | Model Pembelajaran Problem Based Learning (PBL): Efeknya Terhadap Pemahaman Konsep dan Berpikir Kritis | Indonesian Journal of Science and Mathematics Education | 2019 | 10.24042/ij sme.v2i3.4366 e-ISSN : 26158639 p-ISSN : | http://ejournal.radenintan.ac.id/index.php/IJSM E/article/view/4366 |
| 23 | Aulia, Lisa Nur Susilo, Susilo Subali, Bambang | Upaya peningkatan kemandirian belajar siswa dengan model problem-based learning berbantuan media Edmodo | Jurnal Inovasi Pendidikan IPA | 2019 | 10.21831/jipi.v5i1.18707 e-ISSN : 24774820 p-ISSN : 24774820 | https://journal.uny.ac.id/index.php/jipi/article/view/18707 |
| 24 | Apriakanti, Diaz Kusuma, Mobinta Nurhayati, Muriani | The Effectiveness of Two Stay Two Stray (TSTS) Cooperative Learning Model in Improving Students 'Critical Thinking Skills | Journal of Science Education Research | 2020 | DOI : 10.21831/jser.v4i1.34240 e-ISSN : 25979701 p-ISSN : 25979701 | https://journal.uny.ac.id/index.php/jser/article/view/34240 |

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| 25 | Sutrisno, Tri | Pengaruh Pembelajaran Berbasis Masalah (Problem Based Learning) Terhadap Kemampuan Berpikir Kritis Siswa pada Mata Pelajaran PKn Kelas VI di SDN Kota Sumenep | ELSE (Elementary School Education Journal) : Jurnal Pendidikan dan Pembelajaran Sekolah Dasar | 2019 | 10.30651/else.v3i2.3394 e-ISSN : 25974122 p-ISSN : | http://journal.um-surabaya.ac.id/index.php/pgsd/article/view/3394 |
| 26 | Nurkhin, Ahmad Kardoyo, Kardoyo Pramusinto, Hengky Setiyani, Radiana Widhiastuti, Ratieh | Applying Blended Problem-Based Learning to Accounting Studies in Higher Education; Optimizing the Utilization of Social Media for Learning | International Journal of Emerging Technologies in Learning (iJET) | 2020 | 10.3991/ijet.v15i08.12201 e-ISSN : 18630383 p-ISSN : 18688799 | https://online-journals.org/index.php/ijet/article/view/12201 |
| 27 | Wahyuni, Sri Sanjaya, I Gusti Made Erman, Erman Jatmiko, Budi | Edmodo-Based Blended Learning Model as an Alternative of Science Learning to Motivate and Improve Junior High School Students' Scientific Critical Thinking Skills | International Journal of Emerging Technologies in Learning (iJET) | 2019 | 10.3991/ijet.v14i07.9980 e-ISSN : 18630383 p-ISSN : 18688799 | https://online-journals.org/index.php/ijet/article/view/9980 |

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| 28 | Anggela, Rika Eviliyanto Rina | Pengaruh Penggunaan Video Terintegrasi Model Pembelajaran Problem Based Learning (Pbl) Terhadap Kemampuan Berpikir Kritis Mahasiswa Pendidikan Geografi | SOSIAL HORIZON: Jurnal Pendidikan Sosial | 2021 | DOI : 10.31571/sosial.v8i1.2260 e-ISSN : 24075302 p-ISSN : 24075299 | http://www.journal.ikip.pgriptk.ac.id/index.php/sosial/article/view/2260/1613 |
| 29 | Apriyani, Tri Dewi Fadiawati, Noor Syamsuri, M. Mahfudz Fauzi | The Effectiveness of Problem-Based Learning on the Hoax Informations to Improve Students' Critical Thinking Skills (Related to Some Foods and Beverages) | International Journal of Chemistry Education Research | 2019 | DOI : 10.20885/ijcer.vol3.iss1.art3 e-ISSN : 26141426 | https://103.55.139.53/IJCER/article/view/12745 |
| 30 | I Ketut Suparya | Peningkatan Motivasi Dan Kemampuan Berpikir Kritis Mahasiswa Melalui Model Pembelajaran Berbasis Masalah Berbantuan Media Edmodo | Jurnal Ilmiah Pendidikan Citra Bakti | 2020 | https://doi.org/10.38048/jipcb.v7i1.631 e-ISSN : 26206641 p-ISSN : 23555106 | http://jurnalilmiahcitraakti.ac.id/jil/index.php/jil |
| 31 | Nadeak, Bernadetha Naibaho, Lamhot | The Effectiveness of Problem-Based Learning on Students' Critical Thinking | Jurnal Dinamika Pendidikan | 2020 | 10.33541/jdp.v13i1.1393 e-ISSN : 26203952 p-ISSN : 14104695 | http://ejournal.uki.ac.id/index.php/jdp |
| 32 | S., Gita Lorencia Jatmiko, Budi | Online Learning PBL Model with the STS Approach to Improve High School Students' Critical Thinking Ability | PENDIPA: Jurnal Pendidikan Sains, Universitas Bengkulu | 2021 | 10.33369/pendipa.5.3.459-465 e-ISSN : 26229307 p-ISSN : | https://ejournal.unib.ac.id/index.php/pendipa/article/view/15736 |

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| 33 | Wahyuningtias, Santi Riyanto, Yatim Setyowati, Rr Nanik | The Effect Of Blended Learning Model With Telegram Application On Students' Critical Thinking Ability And Learning Outcomes On Social Studies Subject At Elementary School | Jurnal Pajar (Pendidikan dan Pengajaran) | 2021 | 10.33578/pjr.v5i5.8463 e-ISSN : 26141337 p-ISSN : 25808435 | https://pajar.ejournal.unri.ac.id/index.php/PJR/article/view/8463 |
| 34 | Wardani, Cindy Adelia Jatmiko, Budi | The Effectiveness of Tpack-Based Learning Physics with The PBL Model to Improve Students' Critical Thinking Skills | International Journal of Active Learning | 2021 | e-ISSN : 2528505X p-ISSN : 2528505X | http://journal.unnes.ac.id/nju/index.php/ijal |
| 35 | Yusuf, Nurridha Rahmania Bektiarso, Singgih Sudarti | Pengaruh Model PBL dengan Media Google Classroom Terhadap Aktivitas dan Hasil Belajar Siswa | ORBITA. Jurnal Hasil Kajian, Inovasi, dan Aplikasi Pendidikan Fisika | 2020 | p-ISSN 2460-9587 e-ISSN 2614-7017 | http://journal.ummat.ac.id/index.php/orbita/article/view/3043/2060 |
| 36 | Ratana Subha Tusitadevi Suhandi Astuti | Meta Analisis Efektivitas Model Pembelajaran Problem Based Learning dan Problem Solving Terhadap Kemampuan Berpikir Kritis pada Mata Pelajaran Matematika Kelas V | Inventa: Jurnal Pendidikan Guru Sekolah Dasar | 2021 | 10.36456/inventa.5.1.a3528 e-ISSN : 25986244 p-ISSN : | http://jurnal.unipasby.ac.id/index.php/jurnal_inventa/article/view/3528 |

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| 37 | Asmuni, Asmuni | Penerapan Model Pembelajaran Inkuiri Berbasis Google Classroom untuk Meningkatkan Kemampuan Berfikir Kritis dan Aktivitas Belajar PAI dan Budi Pekerti pada Peserta Didik SMA Negeri 1 Selong | Jurnal Teknologi Pendidikan : Jurnal Penelitian dan Pengembangan Pembelajaran | 2021 | 10.33394/jtp.v6i1.3593 | https://e-journal.undikma.ac.id/index.php/jtp/article/view/3593 |
| 38 | Bilkisda, Indana Zulfa Sudiby, Elok | Pengaruh Pembelajaran E-Learning Edmodo Terhadap Kemampuan Berpikir Kritis Siswa Smp Pada Materi Kalor Dan Perpindahannya | Pensa E-Jurnal : Pendidikan Sains | 2021 | e-ISSN: 2252-7710 | https://ejournal.unesa.ac.id/index.php/pensa/index |
| 39 | Erlangga, Sony Yuniar Jumadi Nadhiroh, Nuraini Wingsih, Puji Hariati | The Effective of Using Worksheet with the Problem-Based Learning (PBL) Through Google Classrooms to Improve Critical Thinking Skills During the Covid-19 Pandemic | Proceedings of the 6th International Seminar on Science Education (ISSE 2020) | 2021 | 10.2991/assehr.k.210326.061 | https://www.atlantispress.com/article/125954748 |
| 40 | Luthfiana, Maria Purwasi, Lucy Asri | Pengaruh Model Pembelajaran Berbasis Masalah terhadap Kemampuan Berpikir Kreatif Matematis | Jurnal Pendidikan Matematika (JUDIKA EDUCATION) | 2018 | 10.31539/judika.v1i2.413 e-ISSN : 26146088 | https://journal.ipm2kpe.or.id/index.php/JUDIKA/article/view/413 |

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|----|---|---|---|-------|-----------------------------|---|
| 41 | Manur, Ismail | Efektivitas E-Learning Edmodo dan Google Classroom Terhadap Kemampuan Berpikir Kritis Mahasiswa PGSD Universitas Muhammadiyah Enrekang | Jurnal Pendidikan Guru Sekolah Dasar | 2021 | e-ISSN 2721-7957 | https://ummaspul.e-journal.id/MGR/article/download/2139/683 |
| 42 | Novianti, Rika Rusyana, Adun Yulisma, Lia | Pengaruh Model Problem Based Learning Melalui Google Classroom Terhadap Keterampilan Berpikir Kritis Siswa Pada Sub Materi Pencemaran Lingkungan Di SMA Negeri 1 Kawali | J-KIP (Jurnal Keguruan dan Ilmu Pendidikan) | 2021 | e-ISSN 2722-6069 | https://jurnal.unigal.ac.id/index.php/J-KIP/article/view/6332/4335 |
| 43 | Pepo, Agnesta R R Arjaya, I B Ari Paraniti, A A Inten | Penerapan Model Pembelajaran Problem Based Learning Berbasis Googleclassroom Terhadap Kemampuan Berpikir Kritis Ditinjau Dari Gaya Kognitif Siswa | Jurnal Biologi Kontekstual | 2019 | e-ISSN : 2656-9043 | https://e-journal.unmas.ac.id/index.php/JBK/article/view/628 |
| 44 | Rosiyannah, Siti | Keterampilan Berpikir Kritis dalam Pembelajaran Berbasis Masalah Berbantuan Situs Jejaring Sosial Edmodo | Jurnal Didaktika Pendidikan Dasar | 2021 | 10.26811/didaktika.v5i2.367 | https://ojsdikdas.kemdikbud.go.id/index.php/didaktika/article/view/367 |
| 45 | Yohana Febriana Tabun Widha Sunarno Sukarmin | Problem Based Learning, Kemampuan Berpikir Kritis, Kerjasama dan Hasil Belajar Siswa SMP | Proceeding of Biology Education | 2019 | 10.21009/pbe.3-1.8 | http://journal.unj.ac.id/unj/index.php/pbe/article/view/12309 |

Lampiran 2 Data Artikel Jurnal yang Masuk dalam Kategori Inklusi

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|---|--|---------------------------------------|-------|---|--------|---|---------------------------------|---|--------------------|-------|
| 1 | Ariyati, Puji Sukrawarpala, I Wayan Santyasa, I Wayan | Problem Based E-Learning Dalam Pembelajaran Kimia di SMA | Kwangsan: Jurnal Teknologi Pendidikan | 2021 | 10.31800/jt.p.kw.v9n1.p70--89 e-ISSN : 23389184 p-ISSN : 23389184 | S2 | Problem Based E-Learning | Critical Thinking Ability | Non Equivalent Pre-Test Post-Test Control Group | SMA | Kimia |
| 2 | Ariyatun, Ariyatun Octavianelis, Dissa Feby | Pengaruh Model Problem Based Learning Terintegrasi Stem Terhadap Kemampuan Berpikir Kritis Siswa | JEC: Journal of Educational Chemistry | 2020 | 10.21580/je.c.2020.2.1.5434 e-ISSN : 26854880 p-ISSN : 27153029 | S3 | Model Problem Based Learning Terintegrasi STEM Berbantuan Schoology | Kemampuan Berpikir Kritis Siswa | Control Group Pretest Posttest Design | SMA | Kimia |
| 3 | Aulia, Mona Rezki Hamid, Abdul | Pengaruh Pembelajaran Daring Terhadap | QUANTUM: Jurnal Inovasi | 2021 | pISSN: 2086-7328 eISSN: | S3 | Problem Based Learning | Keterampilan Berpikir | Nonequivalent Control Group | SMA | Kimia |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|--|--|---|-------|---------------------------------------|--------|----------------------------------|-------------------------------------|-----------------------------------|--------------------|--------------------|
| | | Keterampilan Berpikir Kritis Menggunakan Model Problem Based Learning Berbasis Etnosains Pada Materi Kesetimbangan Ion Dalam Larutan Garam | Pendidikan Sains | | 2550-0716 | | Berbasis Etnosains | Kritis | Design | | |
| 4 | Febrianto, Taufan Ngabekti, Sri Saptono, Sigit | The Effectiveness of Schoology-Assisted PBL-STEM to Improve Critical Thinking Ability of Junior High School Students | Journal of Innovative Science Education | 2021 | p-ISSN 2252-6412 e-ISSN 2502-4523 | S3 | Problem Based Learning With STEM | Critical Thinking Ability | One-Group Pretest-Posttest Design | SMP | IPA |
| 5 | Festiawan, Rifqi Hooi, Lim Boon | The Problem-Based Learning: How the effect on student critical | Journal Sport Area | 2021 | 10.25299/sportarea.2021.vol6(2).63-93 | S2 | Problem Based Learning Through | Critical Thinking Ability, Learning | The Randomize Pretest-Posttest | SMA | Pendidikan Jasmani |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|---|---|---------------------------------------|-------|--|---------------------|---|---|---|--------------------|--------------------------|
| | Widiawati, Prisca Yoda, I Ketut S, Adi Antoni, Muhammad Sigit Nugroho, Arifin Ika | thinking ability and learning motivation in COVID-19 pandemic? | | | e-ISSN : 2528584x p-ISSN : 2527760x | | An Online Learning Media Platform | Motivati on | Control Group Design | | Olahr aga dan Keseh atan |
| 6 | Fitriani, Apriza Zubaidah, Siti Susilo, Herawati Al Muhdhar, Mimien Henie Irawati | PBLPOE: A Learning Model to Enhance Students' Critical Thinking Skills and Scientific Attitudes | Internationa l Journal of Instruction | 2020 | 10.29333/iji .2020.1327a e ISSN ; 13081470, p-ISSN : 1694609X | Scimag o H Index-19 | Problem Based Learning With Predict, Observe, Explain | Critical Thinking Skills Scientific Attitudes | Non-Equivalent Pretest-Posttest Control Group | SMA | Bolog i |
| 7 | Handayani, Sri Lestari Budiarti, Iis Giri Kusmajid, Kusmajid Khairil, Khairil | Problem Based Instruction Berbantuan E-Learning : Pengaruhnya terhadap Kemampuan | Jurnal Basicedu | 2021 | 10.31004/ba sicedu.v5i2. 795 e-ISSN : 25801147 p-ISSN : 25803735 | S3 | Problem Based Instructio n Berbantu an E-Learning | Kemamp uan Berpikir Kritis | One Group Pretest Posttest | SD | IPA |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|------------------------------------|--|---|-------|--|--------------------|--|--|-------------------------------------|--------------------|---------------|
| | | Berpikir Kritis Peserta Didik Sekolah Dasar | | | | | | | | | |
| 8 | Hasanah, Hasanah Malik, Muh Nasir | Blended learning in improving students' critical thinking and communication skills at University | Cypriot Journal of Educational Sciences | 2020 | 10.18844/cjes.v15i5.5168 e-ISSN : 1305905X, p-ISSN : 13059076 | Scimago H Index-5 | Problem Based Learning, Blended Learning | Critical Thinking, Communication Skills | Non-Equivalent Control Group Design | Perguruan Tinggi | Kewirausahaan |
| 9 | Hursen, Cigdem | The Effect of Problem-Based Learning Method Supported by Web 2.0 Tools on Academic Achievement and Critical Thinking Skills in Teacher Education | Technology, Knowledge and Learning | 2021 | 10.1007/s10758-020-09458-2 e-ISSN : 22111662 p-ISSN : 22111670 | Scimago H Index-20 | Problem-Based Learning Method Supported By Web 2.0 Tools | Academic Achievement, Critical Thinking Skills | Pretest-Posttest Control Group | Kursus | Calon Guru |
| 10 | Isnaeni, W. Rudyatmi, E. Ridlo, S. | Improving students' communication | Journal of Physics: Conference | 2021 | 10.1088/1742-6596/1918/ | Scimago H | Problem Based Learning, | Critical Thinking Skill, | One Group Pre-Test-Post-Test | SMA | Biologi |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|--|---|---|-------|---|----------|--|--------------------------|------------------------------|--------------------|---------|
| | Ingesti, S. Adiani, L. R. | skills and critical thinking ability with ICT-oriented problem-based learning and the assessment instruments with HOTS criteria on the immune system material | Series | | 5/052048 e-ISSN : 17426588 p- ISSN : 17426596 | Index-85 | Ict | Comminication Skill | Design | | |
| 11 | Kamil, Badrul Velina, Yessy Kamelia, Marlina | Students' Critical Thinking Skills in Islamic Schools: The Effect of Problem-Based Learning (PBL) Model | Tadris: Jurnal Keguruan dan Ilmu Tarbiyah | 2019 | 10.24042/tadris.v4i1.42 12 e-ISSN : 25797964 p-ISSN : 23017562 | S2 | Problem Based E-Learning, | Critical Thinking Skills | Posttest Only Control Design | SMA | Biologi |
| 12 | Marnita, M. Taufiq, M. Iskandar, I. Rahmi, R. | The Effect of Blended Learning Problem-Based Instruction Model on Students' Critical Thinking | Jurnal Pendidikan IPA Indonesia | 2020 | 10.15294/jpii.v9i3.2314 4 e-ISSN : 20894392 | S1 | Problem Based Instruction Learning Model | Critical Thinking | One-Group Pretest-Posttest | Universitas | Fisika |

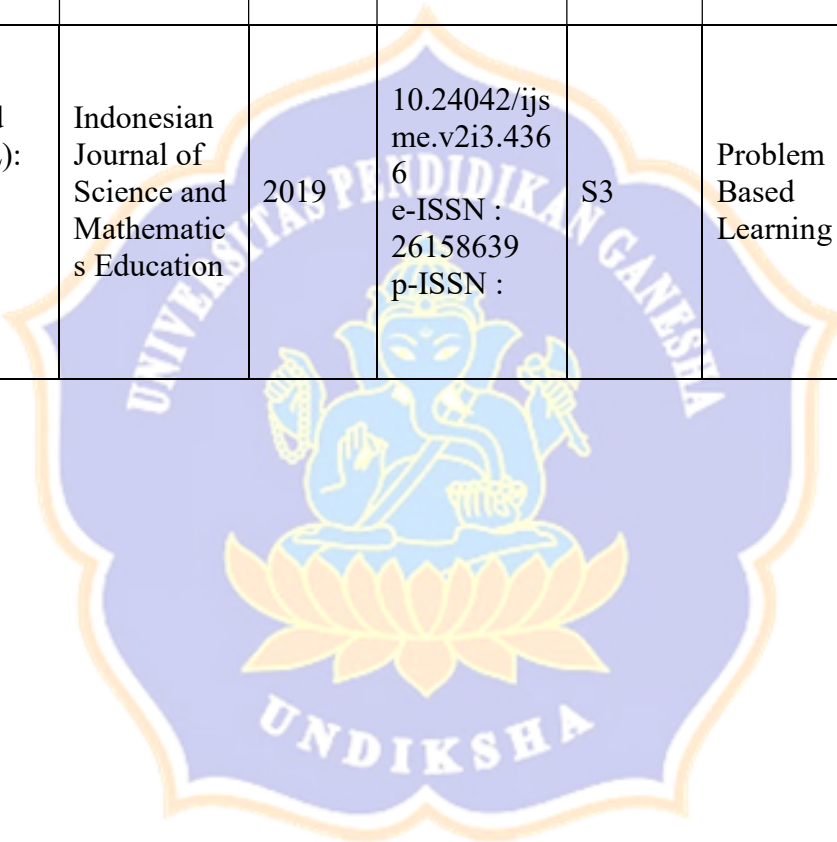
| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|---|--|--|-------|---|--------|---|------------------------------|--|--------------------|------------|
| | | Ability in Thermodynamic Course | | | | | Based On Blended Learning | | | | |
| 13 | Mayang, Gendhis Cikal Efendi, Agus Taufik Prakisyah, Nurcahya Pradana | The Effectiveness of Problem-Based Learning Assisted by EdPuzzle on Students' Critical Thinking Skills | IJIE (Indonesian Journal of Informatics Education) | 2021 | 10.20961/iji.e.v5i1.47264 e-ISSN : 25490389 p-ISSN : 25490389 | S3 | Problem-Based Learning Assisted By Edpuzzle | Critical Thinking Skills | Pretest And Posttest Control Group | Umum | Umum |
| 14 | Misla, Misla Mawardi, Mawardi | Efektifitas PBL dan Problem Solving Siswa SD Ditinjau dari Kemampuan Berpikir Kritis | Jurnal Ilmiah Sekolah Dasar | 2020 | 10.23887/jisd.v4i1.24279 e-ISSN : 25496174 p-ISSN : 25793276 | S2 | Problem Based Learning Problem Solving | Kemampuan Berpikir Kritis | Nonequivalent Posttest Only Control Group Design | SD | Matematika |
| 15 | Nasihah, Evi Durotun Supeno, Supeno Lesmono, Albertus | Pengaruh Tutor Sebaya Dalam Pembelajaran Problem Based Learning Terhadap | Jurnal Pendidikan Fisika | 2020 | 10.24127/jpf.v8i1.1899 e-ISSN : 24424838 p-ISSN : | S3 | Problem Based Learning | Keterampilan Berpikir Kritis | Pretest-Posttest Control Group | SMA | Fisika |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|--|--|--|-------|---|--------------------|---|---------------------------|---------------------------------------|--------------------|--------|
| | Djoko | Keterampilan Berpikir Kritis Fisika Siswa SMA | | | 23375973 | | | | | | |
| 16 | Prasetyo, Fajar Kristin, Firosalia | Pengaruh Model Pembelajaran Problem Based Learning dan Model Pembelajaran Discovery Learning terhadap Kemampuan Berpikir Kritis Siswa Kelas 5 SD | Didaktika Tauhidi : Jurnal Pendidikan Guru Sekolah Dasar | 2020 | 10.30997/dt.v7i1.2645 e-ISSN : 25500252 p-ISSN : 24424554 | S3 | Model Pembelajaran Problem Based Learning Model Pembelajaran Discovery Learning | Kemampuan Berpikir Kritis | Pretest-Posttest Control Group Design | SD | UMUM |
| 17 | Putranta, Himawan Jumadi Wilujeng, Insih | Physics Learning by PhET Simulation-Assisted Using Problem Based Learning (PBL) Model to Improve | Asia-Pacific Forum on Science Learning and Teaching | 2019 | e-ISSN 1609-4913 | Scimago H Index-14 | Problem Based Learning (Pbl) Phet Simulation- | Critical Thinking Skills | Rnd 4D Model | SMA | Fisika |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e- ISSN / p- ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|---|--|--|-------|--|--------------------|---|------------------------------|---|-----------------------|---------|
| | | Students' Critical Thinking Skills in Work and Energy Chapters in MAN 3 Sleman | | | | | Assisted | | | | |
| 18 | Putri, Clarissa Desyana Pursitasari, Indarini Dwi Rubini, Bibin | Problem Based Learning Terintegrasi STEM Di Era Pandemi Covid-19 Untuk Meningkatkan Keterampilan Berpikir Kritis Siswa | JUPI (Jurnal IPA dan Pembelajaran IPA) | 2020 | 10.24815/jipi.v4i2.17859 e-ISSN : 2620553X p-ISSN : 26140500 | S3 | Problem Based Learning Terintegrasi STEM | Keterampilan Berpikir Kritis | Non-Equivalent Pretest-Posttest Control Group | SMA | Fisika |
| 19 | Putri, Dini Resita Sueb | Effectiveness of Waste Enviropreneur Learning Tools on Critical Thinking Skills | Journal of Physics: Conference Series | 2021 | 10.1088/1742-6596/1842/1/012029 e-ISSN : 17426588 p- ISSN : 17426596 | Scimago H Index-85 | Enviropreneur Learning Device Based On Problem Learning | Critical Thinking Skills | Pretest-Posttest Nonrandomized Control Group Design | SMA | Biologi |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e-ISSN / p-ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|--|--|---------------------------------------|-------|--|--------------------|--|-------------------------|---|--------------------|------------|
| 20 | Ramadhani, R. Bina, N. S. Sihotang, S. F. Narpila, S. D. Mazaly, M. R. | Students' critical mathematical thinking abilities through flip-problem based learning model based on LMS-google classroom | Journal of Physics: Conference Series | 2020 | 10.1088/1742-6596/1657/1/012025 e-ISSN : 17426588 p- ISSN : 17426596 | Scimago H Index-85 | Problem Based Learning, Flipped Learning, Lms-Google Classroom | Critical Thinking Skill | Pre-Test Post-Test Control Group Design | SMA | Matematika |
| 21 | Sujanem, Rai Nyoman Putu Suwindra, I. Suswandi, Iwan | The Effectiveness Of Problem-Based Interactive Physics E-Module On High School Students' Critical Thinking | Journal of Physics: Conference Series | 2020 | 10.1088/1742-6596/1503/1/012025 e-ISSN : 17426588 p- ISSN : 17426596 | Scimago H Index-85 | Problem-Based Interactive Physics E-Module | Critical Thinking | One Group Pre-Test And Post-Test Design | SMA | Fisika |

| No | Penulis | Judul | Jurnal | Tahun | DOI / e- ISSN / p- ISSN | Indeks | Variabel Bebas | Variabel Terikat | Desain Penelitian | Jenjang Pendidikan | Studi |
|----|------------------------------------|--|--|-------|--|--------|------------------------------|--|---|-----------------------|--------|
| 22 | Yulianti, Eka Gunawan, Indra | Model Pembelajaran Problem Based Learning (PBL): Efeknya Terhadap Pemahaman Konsep dan Berpikir Kritis | Indonesian Journal of Science and Mathematic s Education | 2019 | 10.24042/ij sme.v2i3.436 6 e-ISSN : 26158639 p-ISSN : | S3 | Problem Based Learning | Pemaha man Konsep, Berpikir Kritis | Pretets- Posttest Control Design | SMA | Fisika |



RIWAYAT HIDUP



I Wayan Adi Ambhara Sanuaka berasal dari Br. Tatag, Desa Tegallingah, Kec. Penebel, Kab. Tabanan. Ia lahir pada tanggal 17 Agustus 1994. Ia merupakan anak pertama dari pasangan I Made Sandiasa dengan Ni Ketut Nurini. Menempuh pendidikan sekolah dasar di SD No. 6 Sesetan pada tahun 2000-2006, pendidikan sekolah menengah pertama di SMP Negeri 11 Denpasar pada tahun 2006-2009, pendidikan sekolah menengah atas di SMA Negeri 1 Penebel pada tahun 2009-2012. Melanjutkan pendidikan Strata 1 di Jurusan Pendidikan Teknik Elektro, Fakultas Teknik dan Kejuruan, Universitas Pendidikan Ganesha dan dinyatakan lulus pada tahun 2016. Sempat mengikuti training menjadi asisten fotografer di Studio 8, Badung pada awal tahun 2016. Sejalan dengan hobi yang dimiliki, ia sempat membuka jasa desain dan foto serta jasa editing foto dan video mulai tahun 2016 hingga saat ini. Sempat sebagai tutor sebaya sebagai pembimbing dalam pembuatan skripsi pada tahun 2020. Pada tahun 2016 hingga saat ini, bekerja sebagai Staff di sebuah badan usaha fashion di Singaraja yang bernama Sunrise Group Bali di bagian desain dan sumber daya manusia.