DAFTAR PUSTAKA

Abulibdeh, A., Zaidan, E., & Abulibdeh, R. (2024). *Navigating The Confluence Of Artificial Intelligence And Education For Sustainable Development In The Era Of Industry 4.0: Challenges, Opportunities, And Ethical Dimensions*. Journal of Cleaner Production, *437*, 140527.

Albab, U., Purnamasari, H., & Isman, S. (2021). *Pengaruh Media Aplikasi Paket Tracer Melalui Model Pembelajaran Problem Based Learning Terhadap Motivasi Dan Hasil Belajar Mata Pelajaran Administrasi Infrastruktur Jaringan Siswa Kelas XI TKJ Di SMKN 2 Bangkalan*. Jurnal Teladan: Jurnal Ilmu Pendidikan Dan Pembelajaran, *6*(2), 85–94. https://doi.org/10.55719/jt.v6i2.269

Almulla, M. (2023). *Constructivism Learning Theory: A Paradigm For Students' Critical Thinking, Creativity, And Problem Solving To Affect Academic Performance In Higher Education*. Cogent Education, *10*. https://doi.org/10.1080/2331186X.2023.2172929

Alp, G., & Bulunuz, N. (2023). *Effect of Web-Based Collaborative Learning Method with Scratch on Critical Thinking Skills of 5th Grade Students*. Participatory Educational Research. https://doi.org/10.17275/per.23.30.10.2

Alzoubi, A., Alsalhi, N., Abdelrahman, R. M., Alakashee, B., Gharaibeh, F. Al, & Alqawasmi, A. (2024). *Motives For Using Critical Thinking Skills Among Gifted And Non-Gifted Adolescent Students. Periodicals of Engineering and Natural Sciences (PEN)*. https://doi.org/10.21533/pen.v12i2.4075

Anzelina, D., Trianita, K. E., Mahotama, I. B. T., Pradnyana, I. B. M. P., Hermayanti, N. K. D., & Devikananda, N. K. S. (2025). *Efektivitas Model Inquiry Berbasis THK dalam Meningkatkan Kemampuan Berpikir Kritis Siswa Kelas 4 SD 6 Kesiman Tahun Ajaran 2024/2025*. Jurnal Pendidikan Sang Surya, *11*(1), 743–750.

Ariyati, E., Susilo, H., Suwono, H., & Rohman, F. (2021). *Pemberdayaan Keterampilan Berpikir Kritis Melalui Pembelajaran Process Oriented Guided Inquiry Learning (POGIL)*. Scholaria: Jurnal Pendidikan Dan Kebudayaan, *11*(3), 208–215. https://ejournal.uksw.edu/scholaria/article/view/4637

Atiaturrahmaniah, A., Arnyana, I. B. P., & Suastra, I. W. (2022). *Peran Model Science, Technology, Engineering, Arts, And Math (STEAM) Dalam Meningkatkan Berpikir Kritis Dan Literasi Sains Siswa Sekolah Dasar*. JPGI (Jurnal Penelitian Guru Indonesia), *7*(4), 368–375.

Awaluddin, R., & Firmansyah, E. (2024). *Pengaruh Model Pembelajaran Inkuiri Terbimbing Terhadap Kemampuan Literasi Sains Peserta Didik*. JPSL: Jurnal Pendidikan, Sosial Dan Lingkungan, *2*(2), 16–27.

Berestova, A., Kolosov, S., Tsvetkova, M., & Grib, E. (2021). *Academic Motivation As A Predictor Of The Development Of Critical Thinking In Students*. *Journal of Applied Research in Higher Education*. https://doi.org/10.1108/JARHE-02-2021-0081

Bonfield, C. A., Salter, M., Longmuir, A., Benson, M., & Adachi, C. (2020). *Transformation Or Evolution?: Education 4.0, Teaching And Learning In The Digital Age*. *Higher Education Pedagogies*, *5*(1), 223–246.

Cahyani, N. M. V. A., Widiana, I. W., & Bayu, G. W. (2024). SMART-Based Feedback Guidelines to Improve Student Learning Motivation and Self-Efficacy. *International Journal of Elementary Education*, *8*(4), 762-772.

Deng, M., Juanjuan, Lv, X., & Ren, X. (2023). *Academic Performance And Parenting Styles Differentially Predict Critical Thinking Skills And Dispositions Among Primary Students: Cross-Sectional And Cross-Lagged Evidence*. *Thinking Skills and Creativity*. https://doi.org/10.1016/j.tsc.2023.101384

Dewi, N., Dantes, N., & Gunamantha, I. M. (2023). *Pengaruh Model Pembelajaran Contextual Teaching And Learning Berbasis Etnosains Terhadap Kemampuan Berpikir Kritis Dan Hasil Belajar IPA Siswa. PENDASI Jurnal Pendidikan Dasar Indonesia*, 7(2), 207–217.

Dikta, P. G. A. (2020). *Pembelajaran Berorientasi Tri Hita Karana Sebagai Upaya Penguatan Kualitas Pendidikan Dasar Pada Abad Ke-21. PENDASI: Jurnal Pendidikan Dasar Indonesia*, *4*(1), 126–136.

Dito, S. B., & Pujiastuti, H. (2021). *Dampak Revolusi Industri 4.0 Pada Sektor Pendidikan: Kajian Literatur Mengenai Digital Learning Pada Pendidikan Dasar Dan Menengah. Jurnal Sains Dan Edukasi Sains*, *4*(2), 59–65.

Dolapçıoğlu, S. D., & Doğanay, A. (2020). *Development Of Critical Thinking In Mathematics Classes Via Authentic Learning: An Action Research*. *International Journal of Mathematical Education in Science and Technology*, *53*, 1363–1386. https://doi.org/10.1080/0020739X.2020.1819573

Doringin, F., Tarigan, N. M., & Prihanto, J. N. (2020). *Eksistensi Pendidikan Di Era Revolusi Industri 4.0. Jurnal Teknologi Industri Dan Rekayasa (JTIR)*, *1*(1), 43–48.

Duran, M., & Dökme, I. (2016). *The Effect Of The Inquiry-Based Learning Approach On Student's Critical Thinking Skills*. *Eurasia Journal of Mathematics, Science and Technology Education*, *12*, 2887–2908. https://doi.org/10.12973/EURASIA.2016.02311A

Erawati, D. (2022). *Meningkatkan Motivasi Dan Hasil Belajar Peserta Didik Melalui Penerapan Model Pembelajaran Problem Based Learning Pada Mata Pelajaran Matematika Kelas 1 SD Negeri 6 Pajar Bulan*. *Social, Humanities,*

and Educational Studies (SHES): Conference Series, *5*(6), 1086–1093. https://doi.org/10.20961/shes.v5i6.84421

Esti, I., Hersulastuti, H., Indiyah, P. A., & Kun, A. A. (2023). *Portrait Of Education In Indonesia: Learning From PISA Results 2015 To Present*. International Journal of Learning, Teaching and Educational Research, *22*(1), 321–340.

Ghobakhloo, M. (2020). *Industry 4.0, Digitization, And Opportunities For Sustainability*. Journal of Cleaner Production, *252*, 119869.

González-Pérez, L. I., & Ramírez-Montoya, M. S. (2022). *Components Of Education 4.0 In 21st Century Skills Frameworks: Systematic Review*. Sustainability, *14*(3), 1493.

Guay, F. (2022). *Applying Self-Determination Theory To Education: Regulations Types, Psychological Needs, And Autonomy Supporting Behaviors*. Canadian Journal of School Psychology, *37*(1), 75-92. https://doi.org/10.1177/08295735211055355

Hala, M., & Xhomara, N. (2022). *The Impact Of Inquiry-Based Learning On Problem-Solving Skills And Conceptual Knowledge Building*. Psychology and Education, *59*(2): 909-921.

Handayani, S. Y., Aprinawati, I., Kusuma, Y. Y., Muffarizudin, M., & Ananda, R. (2022). *Penggunaan Model Pembelajaran POGIL (Process Oriented Guided Inquiry Learning) Terhadap Hasil Belajar Sekolah Dasar*. Muallimuna: Jurnal Madrasah Ibtidaiyah, *8*(1), 82–95. http://dx.doi.org/10.31602/muallimuna.v8i1.7850

Harahap, H. S., & Harahap, N. A. (2021). *Pengaruh Model Pembelajaran Guided Inquiry Dan Modified Free Inquiry Terhadap Kemampuan Berpikir Kritis Siswa Pada Materi Pencemaran Lingkungan Di SMA Negeri 1 Kotapinang*. Bio-Lectura: Jurnal Pendidikan Biologi, *8*(2), 119–128.

Haste, H. (2025). *Morality Stories: How Narratives Define Explanations Of Ethics*. Culture & Psychology, 1354067X251315736. https://doi.org/10.1177/1354067X251315736

Hidayat, A. (2023). *Buku Ajar Metode Penelitian*. Cv Science Techno Direct.

Hikmawati, H., Suastra, I. W., Suma, K., & Sudiatmika, A. A. I. A. R. (2024). Online lectures with local wisdom context: Efforts to develop students' higher-order thinking skills. *International Journal of Evaluation and Research in Education (IJERE)*, *13*(2), 943.

Karta, I. W., Suarta, N., Rasmini, N. W., Widiana, I. W., Putri, N., & Antara, I. (2022). *The Impact Of Tri Pramana-Based Hypothetic Deductive Learning Cycle Model On Character Forming And Creativity Development In Early* Childhood. *Educational Sciences: Theory & Practice*, *22*(2), 239–249.

Kuhn, D. (2025). *What Can Discourse Do?*. *Topoi*, 1-11. https://doi.org/10.1007/s11245-025-10224-1

Lestari, A. P. I. Y., Arnyana, I. B. P., & Suja, I. W. (2025). *Implementasi Model Pembelajaran Kooperatif Bermuatan Tri Hita Karana Pada Mata Pelajaran Ipa Untuk Siswa Sd. Elementary School: Jurnal Pendidikan Dan Pembelajaran Ke-SD-An*, *12*(1), 301–313.

Lestari, N. A., Suastra, I. W., Suma, K., & Suarni, N. K. (2024). Improving Students' Learning Independence and Critical Thinking Ability by Applying Project Based Learning Model: A Case Study in Jembrana. *Revista De EDUCACION*, *173*.

Li, D., & Liu, W. (2025). *The Impact Of Emotional Support On Students' Social-Emotional Competence: The Mediating Role Of Achievement Motivation And The Moderating Effect Of Self-Efficacy. Current Psychology*, *44*(4), 2348-2361. https://doi.org/10.1007/s12144-025-07331-y

Lusidawaty, V., Fitria, Y., Miaz, Y., & Zikri, A. (2020). *Pembelajaran IPA Dengan Strategi Pembelajaran Inkuiri Untuk Meningkatkan Keterampilan Proses Sains Dan Motivasi Belajar Siswa Di Sekolah Dasar. Jurnal Basicedu*, *4*(1), 168–174.

Maksum, A., Widiana, I. W., & Marini, A. (2021). *Path Analysis Of Self-Regulation, Social Skills, Critical Thinking And Problem-Solving Ability On Social Studies Learning Outcomes*. *International Journal of Instruction*, *14*(3), 613–628.

Martir, L., Sayangan, Y. V., & Beku, V. Y. (2024). *Penerapan Model Pembelajaran Discovery Learning Dalam Meningkatkan Kemampuan Berpikir Kritis Siswa Sekolah Dasar Pada Pembelajaran IPAS. Jurnal Pendidikan MIPA*, *14*(3), 757–766. https://doi.org/10.37630/jpm.v14i3.1829

Memiş, E. K., & Akkaş, B. N. Ç. (2020). *Developing Critical Thinking Skills In The Thinking-Discussion-Writing Cycle: The Argumentation-Based Inquiry Approach*. *Asia Pacific Education Review*, *21*, 441–453. https://doi.org/10.1007/s12564-020-09635-z

Mercer, N., & Dawes, L. (2024). *The Educational Importance Of Oracy*. *QWERTY-Interdisciplinary Journal of Technology, Culture and Education*, *19*(2), 15-21.

Mian, S. H., Salah, B., Ameen, W., Moiduddin, K., & Alkhalefah, H. (2020). *Adapting Universities For Sustainability Education In Industry 4.0: Channel Of Challenges And Opportunities*. *Sustainability*, *12*(15), 6100.

Mudana, I. K., Suma, K., & Widiana, I. W. (2023). *Model Pembelajaran Think Pair Share Difasilitasi Peta Konsep Meningkatkan Kemampuan Berpikir Kritis Ipa Ditinjau Dari Motivasi Belajar Siswa. Jurnal Ilmiah Pendidikan Dan Pembelajaran*, *7*(2), 183–197.

Ningrum, T. Y., Coesamin, M., & Sasmiati, S. (2020). *Model Pembelajaran Inkuiri Terbimbing Terhadap Hasil Belajar Matematika. Pedagogi: Jurnal Pendidikan Dasar*, *8*(1).

Nirmayani, L. H., & Suastra, I. W. (2023). *The Impact Of Problem Based Learning With Tri Hita Karana On Scientific Literacy And Critical Thinking Skills. Thinking Skills and Creativity Journal*, *6*(1), 35–43.

Novianti, W. (2020). *Urgensi Berpikir Kritis Pada Remaja Di Era 4.0. Journal of Education and Counseling (JECO)*, *1*(1), 38–52. https://doi.org/10.32627/jeco.v1i1.519

Orakcı, Ş. (2023). *Structural Relationship Among Academic Motivation, Academic Self-Efficacy, Problem Solving Skills, Creative Thinking Skills, And Critical Thinking Skills. Psychology in the Schools*. https://doi.org/10.1002/pits.22851

Peifer, C., Wolters, G., Harmat, L., Heutte, J., Tan, J., Freire, T., ... & Triberti, S. (2022). *A Scoping Review Of Flow Research. Frontiers in Psychology*, *13*, 815665. https://doi.org/10.3389/fpsyg.2022.815665

Permana, S. P., & Kasriman, K. (2022). *Pengaruh Media Pembelajaran Wordwall Terhadap Motivasi Belajar IPS Kelas IV. Jurnal Basicedu*, *6*(5), 7831–7839. https://doi.org/10.31004/basicedu.v6i5.3616

Prasetiyo, M. B., & Rosy, B. (2021). *Model Pembelajaran Inkuiri Sebagai Strategi Mengembangkan Kemampuan Berpikir Kritis Siswa. Jurnal Pendidikan Administrasi Perkantoran (JPAP)*, *9*(1), 109–120.

Prihatami, E. (2020). POGIL *Berpengaruh Terhadap Kemampuan Berpikir Kritis Matematis? AlphaMath: Journal of Mathematics Education*, *5*(2), 15–26. https://dx.doi.org/10.30595/alphamath.v5i2.7342

Primayana, K. H. (2020). *Perencanaan Pembelajaran Pendidikan Anak Usia Dini Dalam Menghadapi Tantangan Revolusi Industri 4.0. Prosiding Seminar Nasional Dharma Acarya*, *1*(3), 321–328.

Raditia, I. G. P., Widiana, I. W., & Yudiana, K. (2022). *Aktivitas Pembelajaran Berbantuan Media Pembelajaran Literacy Tree Meningkatkan Literasi Sosial Dan Kemampuan Metakognitif. Jurnal Edutech Undiksha*, *10*(2), 364–374.

Rai, I. B., Suwendi, I. M., & Mahendra, P. R. A. (2021). *Implementasi Tri Hita Karana Dalam Pengelolaan Pendidikan Di SMP Dwijendra Denpasar. Jurnal Pendidikan Kewarganegaraan Undiksha*, *9*(2), 431–439. https://doi.org/10.23887/jpku.v9i2.34145

Ramdhan, M. (2021). *Metode Penelitian*. Cipta Media Nusantara.

Renninger, K. A., & Hidi, S. E. (2022). *Interest Development, Self-Related Information Processing, And Practice. Theory into practice*, *61*(1), 23-34. https://doi.org/10.1080/00405841.2021.1932159

Reza, F., & Tinggogoy, F. L. (2022). *Konflik Generasi Z Di Bidang Pendidikan Di Era Revolusi Industri 4.0 Tantangan Dan Solusinya*. PARADIGMA: Jurnal Administrasi Publik, *1*(2), 142–155.

Rowicka, M., & Postek, S. (2023). *Who Likes To Learn New Things? How Gamification User Types And Satisfaction But Not The Frustration Of Basic Psychological Needs Explain The Preference For Learning New Things*. Acta psychologica, *236*, 103925. https://doi.org/10.1016/j.actpsy.2023.103925

Sarifah, F., & Nurita, T. (2023). *Implementasi Model Pembelajaran Inkuiri Terbimbing Untuk Meningkatkan Keterampilan Berpikir Kritis Dan Kolaborasi Siswa. PENSA: E-Jurnal Pendidikan Sains*, *11*(1), 22–31.

Sartini, N. M. K. (2020). *Penggunaan Model Pembelajaran Inkuiri Terbimbing Berbantuan LKS Untuk Meningkatkan Prestasi Belajar Kimia Siswa SMA Negeri 1 Tegallalang. Suluh Pendidikan: Jurnal Ilmu-Ilmu Pendidikan*, *18*(1), 53–68.

Shintia, D., Asbari, M., Khairunisa, F., & Azizah, N. (2023). *Rapor Pendidikan Indonesia: Quo Vadis Kualitas Pendidikan Indonesia? Journal of Information Systems and Management (JISMA)*, *2*(6), 18–21. https://doi.org/10.4444/jisma.v2i6.633

Siahaan, K. W. A., Lumbangaol, S. T. P., Marbun, J., Nainggolan, A. D., Ritonga, J. M., & Barus, D. P. (2021). *Pengaruh Model Pembelajaran Inkuiri Terbimbing Dengan Multi Representasi Terhadap Keterampilan Proses Sains Dan Penguasaan Konsep IPA. Jurnal Basicedu*, *5*(1), 195–205.

Soraya, R., Mashari, A., & Oktaviana, E. (2024). *Efektivitas Model Pogil Ditinjau Dari Kemampuan Berpikir Kritis Matematis Siswa. Aksara: Jurnal Ilmu Pendidikan Nonformal*, *10*(1), 267–276. http://dx.doi.org/10.37905/aksara.10.1.267-276.2024

Sudiarta, I. W., Diputra, G. N. O., Nayun, I. W., & Sutanaya, I. B. A. (2021). *Efektivitas Pembelajaran Matematika Secara Daring Di Masa Pandemi Covid-19 Terhadap Kemampuan Berfikir Kritis Siswa. Suluh Pendidikan*, *19*(1), 29–44.

Sugiyono, S., & Lestari, P. (2021). *Metode Penelitian Komunikasi (Kuantitatif, Kualitatif, Dan Cara Mudah Menulis Artikel Pada Jurnal Internasional)*. Alvabeta Bandung, CV.

Sukardi, H. M. (2021). *Metodologi Penelitian Pendidikan: Kompetensi Dan Praktiknya (Edisi Revisi)*. Bumi Aksara.

Suma, K., Mudana, I. W., & Pujani, N. M. (2020). *Pengembangan Perangkat Pembelajaran Terintegrasi Pendidikan Karakter Berbasis Tri Hita Karana Di Sekolah Dasar Negeri 1 Baktiseraga. Proceeding Senadimas Undiksha*, *1056*.

Susanti, A. P. G., & Susanti, S. (2021). *The Influence Of Financial Literation, Service Features, And Easy Of Use On Using E-Money*. *Jae (Jurnal Akuntansi Dan Ekonomi)*, *6*(2), 27–37.

Sutarningsih, N. L. (2022). *Model Pembelajaran Inquiry Untuk Meningkatkan Prestasi Belajar IPA Siswa Kelas V SD*. *Journal of Education Action Research*, *6*(1), 116–123. https://doi.org/10.23887/jear.v6i1.44929

Sweller, J. (2024). *Cognitive Load Theory And Individual Differences*. *Learning and Individual Differences*, *110*, 102423. https://doi.org/10.1016/j.lindif.2024.102423

Tahiru, F. (2021). *AI In Education: A Systematic Literature Review*. *Journal of Cases on Information Technology (JCIT)*, *23*(1), 1–20.

Ushioda, E., & Dörnyei, Z. (2021). *Teaching And Researching Motivation*. Routledge.

Van Peppen, L. M., Verkoeijen, P. P., Heijltjes, A. E., Janssen, E. M., & van Gog, T. (2021). *Enhancing Students' Critical Thinking Skills: Is Comparing Correct And Erroneous Examples Beneficial?*. *Instructional Science*, *49*(6), 747-777. https://doi.org/10.1007/s11251-021-09559-0

Vidal, S., Pereira, A., Núñez, J., Vallejo, G., Rosendo, D., Miranda, S., Tortella, J., & Rosário, P. (2023). *Critical Thinking Predictors: The Role Of Family-Related And Motivational Variables*. *Thinking Skills and Creativity*. https://doi.org/10.1016/j.tsc.2023.101348

Wahyudi, L. E., Mulyana, A., Dhiaz, A., Ghandari, D., Dinata, Z. P., Fitoriq, M., & Hasyim, M. N. (2022). *Mengukur Kualitas Pendidikan Di Indonesia*. *Ma'arif Journal of Education, Madrasah Innovation and Aswaja Studies*, *1*(1), 18–22. https://doi.org/10.69966/mjemias.v1i1.3

Wangsa, G. N. A. S., Dantes, N., & Suastra, I. W. (2021). *Pengembangan Instrumen Kemampuan Berpikir Kritis Dan Hasil Belajar IPA Kelas V SD Gugus IV Kecamatan Gerokgak*. *PENDASI Jurnal Pendidikan Dasar Indonesia*, *5*(1), 139–150.

Wartini, N. W. (2021). *Implementasi Model Pembelajaran Inkuiri Terbimbing Untuk Meningkatkan Motivasi Belajar Dan Kemampuan Berpikir Kritis*. *Journal of Education Action Research*, *5*(1), 126–132.

Widiana, I. W., & Fadli, M. (2023). Efforts to Improve Learning Activities and Learning Outcomes of Mathematics Integer Materials Through the Application of the PBL Learning Model in Grade VI Elementary School Students. *Journal of Islamic Elementary Education*, *1*(1), 13-23.

Wijaya, T. T., Hidayat, W., Hermita, N., Alim, J. A., & Talib, C. A. (2024). *Exploring Contributing Factors To PISA 2022 Mathematics Achievement: Insights From Indonesian Teachers*. *Infinity Journal*, *13*(1), 139–156.

Zhou, Z., & Zhang, Y. (2024). *Intrinsic And Extrinsic Motivation In Distance Education: A Self-Determination Perspectiv*e. *American Journal of Distance Education*, *38*(1), 51-64. https://doi.org/10.1080/08923647.2023.2177032

Zubaidah, S., Corebima, A. D., & Mahanal, S. (2018). *Revealing The Relationship Between Reading Interest And Critical Thinking Skills Through Remap GI And Remap Jigsaw. International Journal of Instruction*, *11*(2), 41–56.