

DAFTAR PUSTAKA

- Allen, M. (2017). *The SAGE Encyclopedia of Communication Research Methods* (1st ed.). SAGE Publications, Inc.
- Anwar, R. (2005). *Meta Analisis*. FKUP. http://pustaka.unpad.ac.id/wp-content/uploads/2010/05/meta_analisis.pdf
- Arends, R. I. (2015). Learning to Teach (Tenth Edition). In *McGraw-Hill Education: Vol. Tenth Edit* (10th ed.).
- Bassham, G., Irwin, W., Nardone, H., & Wallace, J. M. (2010). *Critical Thinking: A Student's Introduction* (4th ed.). McGraw-Hill.
- Borenstein, M., V. Hedges, L., Higgins, J. P. T., & Rothstein, H. R. (2009). *Introduction to Meta-Analysis* (1st ed.). Wiley.
- Fadilla, N., Nurlaela, L., Rijanto, T., Ariyanto, S. R., Rahmah, L., & Huda, S. (2021). Effect of problem-based learning on critical thinking skills. *Journal of Physics: Conference Series*, *1810*(1), 012060. <https://doi.org/10.1088/1742-6596/1810/1/012060>
- Halpern, D. F. (2013). *Thought and Knowledge: An Introduction to Critical Thinking* (5th ed.). Psychology Press.
- Handayani, S. L., Budiarti, I. G., Kusmajid, K., & Khairil, K. (2021). Problem Based Instruction Berbantuan E-Learning: Pengaruhnya terhadap Kemampuan Berpikir Kritis Peserta Didik Sekolah Dasar. *Jurnal Basicedu*, *5*(2), 697–705. <https://doi.org/10.31004/basicedu.v5i2.795>
- Hasanah, H., & Malik, M. N. (2020). Blended learning in improving students' critical thinking and communication skills at University. *Cypriot Journal of Educational Sciences*, *15*(5), 1295–1306. <https://doi.org/10.18844/cjes.v15i5.5168>
- Herliandry, L. D., Nurhasanah, N., Suban, M. E., & Kuswanto, H. (2020). Pembelajaran Pada Masa Pandemi Covid-19. *JTP - Jurnal Teknologi Pendidikan*, *22*(1), 65–70. <https://doi.org/10.21009/jtp.v22i1.15286>
- Horton, W. (2006). *E-Learning by Design* (1st ed.). Pfeiffer.
- Hughes, W., & Lavery, J. (2008). *Critical Thinking: An Introduction to the Basic Skills* (5th ed.). Broadview Press.
- Isnaeni, W., Rudyatmi, E., Ridlo, S., Ingesti, S., & Adiani, L. R. (2021).

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*, 1918(5), 052048. <https://doi.org/10.1088/1742-6596/1918/5/052048>

Johnson, R. D., & Brown, K. G. (2017). E-Learning. In *The Wiley Blackwell Handbook of the Psychology of the Internet at Work* (Issue 2013, pp. 369–400). John Wiley & Sons, Ltd. <https://doi.org/10.1002/9781119256151.ch17>

Kay, K., & Greenhill, V. (2011). Bringing Schools into the 21st Century. In G. Wan & D. M. Gut (Eds.), *Bringing Schools into the 21st Century*. Springer Netherlands. <https://doi.org/10.1007/978-94-007-0268-4>

Keleman, M. (2021). Assessment of Higher Order Thinking Skills Through Stem Integration Project-Based Learning for Elementary Level. *International Journal of Social Science and Human Research*, 04(04), 835–846. <https://doi.org/10.47191/ijsshr/v4-i4-40>

Lewis, A., & Smith, D. (1993). Defining Higher Order Thinking. *Theory Into Practice*, 32(3), 131–137. <https://doi.org/10.1080/00405849309543588>

Mahmudah, U. (2020). Meta Analisis Pengaruh Model Discovery Learning dan Problem Based Learning Terhadap Kemampuan Berpikir Kritis Matematis Peserta Didik Kelas V SD. *Thinking Skills and Creativity Journal*, 3(2), 69–78. <https://ejournal.undiksha.ac.id/index.php/TSCJ/article/view/29721>

Mark W. Lipsey, D. W. (2001). Practical Meta Analysis Overview. *Applied Social Research Methods Series*.

Marnita, M., Taufiq, M., Iskandar, I., & Rahmi, R. (2020). The Effect of Blended Learning Problem-Based Instruction Model on Students' Critical Thinking Ability in Thermodynamic Course. *Jurnal Pendidikan IPA Indonesia*, 9(3), 430–438. <https://doi.org/10.15294/jpii.v9i3.23144>

Nurdyansyah, & Fahyuni, E. F. (2016). Inovasi Model. In *Nizmania Learning Center* (1st ed.). Nizamia Learning Center.

OECD. (2011). PISA 2009 Results: Students on Line: Digital Technologies and Performance (Volume VI). In *Oecd: Vol. VI*. OECD. <https://doi.org/10.1787/9789264112995-en>

- OECD. (2019). Programme for international student assessment (PISA) results from PISA 2018. In *Oecd*. https://www.oecd-ilibrary.org/education/pisa-2018-results-volume-iii_bd69f805-en%0Ahttps://www.oecd-ilibrary.org/sites/bd69f805-en/index.html?itemId=/content/component/bd69f805-en#fig86
- Parwata, I. M. Y. (2021). Pengaruh Metode Problem Based Learning Terhadap Peningkatan Hasil Belajar Pendidikan Jasmani Olahraga Dan Kesehatan : Meta-Analisis. *Indonesian Journal of Education Development*, 2(1), 1–9. <https://doi.org/10.5281/zenodo.4781835>
- Phasa, K. C. (2020). Meta Analisis Pengaruh Model Pembelajaran Problem Based Learning Terhadap Kemampuan Berpikir Kritis Dalam Pembelajaran Matematika. *Jurnal Cendekia : Jurnal Pendidikan Matematika*, 4(2), 711–723. <https://doi.org/10.31004/cendekia.v4i2.296>
- Prastyo, H. (2020). Kemampuan Matematika Siswa Indonesia Berdasarkan TIMSS. *Jurnal Padagogik*, 3(2), 111–117. <https://doi.org/10.35974/jpd.v3i2.2367>
- Ramadhani, R., Bina, N. S., Sihotang, S. F., Narpila, S. D., & Mazaly, M. R. (2020). Students' critical mathematical thinking abilities through flip-problem based learning model based on LMS-google classroom. *Journal of Physics: Conference Series*, 1657(1), 012025. <https://doi.org/10.1088/1742-6596/1657/1/012025>
- Retnawati, H., Apino, E., Kartianom, Djidu, H., & Anazifa, R. D. (2018). Pengantar Meta Analisis.pdf. *Pengantar Analisis Meta*, 208.
- Risdianto, E. (2019). Analisis Pendidikan Indonesia di Era Revolusi Industri 4.0. *Research Gate, April*, 0–16.
- Rosenberg, M. J. (2001). *E-learning : Strategies for Delivering Knowledge in the Digital Age*. McGraw-Hill Professional.
- Salsabella, S., & Juanengsih, N. (2021). Analysis of cognitive level biology exercise questions in science text books based on TIMSS frame work. *Journal of Physics: Conference Series*, 1836(1). <https://doi.org/10.1088/1742-6596/1836/1/012063>
- Savin-Baden, M. (2007). *A Practical Guide to Problem-Based Learning Online*. In

Interdisciplinary Journal of Problem-Based Learning (1st ed.). Routledge.
<https://doi.org/10.4324/9780203938140>

- Schawab, K. (2016). *The Fourth Industrial Revolution*. World Economic Forum.
- SIBURIAN, odion, COREBIMA, A. D., . I., & SAPTASARI, M. (2019). The Correlation Between Critical and Creative Thinking Skills on Cognitive Learning Results. *Eurasian Journal of Educational Research*, 19(81), 1–16.
<https://doi.org/10.14689/ejer.2019.81.6>
- Sugiyono, P. D. (2013). *Metode Penelitian Kuantitatif, Kualitatif, dan Tindakan* (19th ed.). Alfabeta.
- Sukmawati, A. (2020). Meta Analisis Model Problem Based Learning Dalam Meningkatkan Kemampuan Berpikir Kritis Pada Pembelajaran Matematika. *Thinking Skills and Creativity Journal*, 3(2), 63–68.
- Summaries, C. E. (2010). What Students Know and Can Do. In *PISA 2009 at a Glance: Vol. I*. OECD. <https://doi.org/10.1787/g222d18af-en>
- Undang-undang RI No.23 Tahun 2003 tentang Sistem Pendidikan Nasional, (2003).
- Utama, K. H., & Kristin, F. (2020). Meta-Analisis Pengaruh Model Pembelajaran Problem Based Learning (PBL) Terhadap Kemampuan Berpikir Kritis IPA Di Sekolah Dasar. *Jurnal Basicedu*, 4(43), 889–898.
- Wahyuni, S., Sanjaya, I. G. M., Erman, E., & Jatmiko, B. (2019). 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)*, 14(07), 98. <https://doi.org/10.3991/ijet.v14i07.9980>
- Yusuf, I., Widyaningsih, S. W., & Sebayang, S. R. B. (2018). Implementation of E-learning based-STEM on quantum physics subject to student HOTS ability. *Journal of Turkish Science Education*, 15(Special Issue), 67–75.
<https://doi.org/10.12973/tused.10258a>