

Daftar Pustaka

- A. Allison, B., & B. Bako, R. (2023). Why Weaving? Teaching Heritage, Mathematics, Science and the Self. *African Archaeological Review*, 40.0(3), 481–491. <https://doi.org/10.1007/s10437-023-09541-w>
- A.B. Anne Birgitte, F., & Y.J. Ylva Jannok, N. (2023). Intangible Cultural Heritage as a Resource for a Sámi Mathematics Curriculum. *Australian and International Journal of Rural Education*, 33.0(2), 16–31. <https://doi.org/10.47381/aijre.v33i2.455>
- A.M. Angela M., C.-B., K. Kathleen, S., & E. Edna, T. (2021). The ingenuity of everyday practice: a framework for justicecentered identity work in engineering in the middle grades. *Journal of Pre-College Engineering Education Research*, 11.0(1). <https://doi.org/10.7771/2157-9288.1278>
- Dirgantoro, A., Purwananti, Y. S., & Hartanto, S. (2024). Developing RENATAMA (Reyog Kendang & Etnomathematics) Based on Digital Board Game with Cognitive Psychology Content to Improve Numeracy Literacy. *Jurnal Pembelajaran, Bimbingan, Dan Pengelolaan Pendidikan*, 5(1), 8. <https://doi.org/10.17977/um065.v5.i1.2025.8>
- Dwirahayu, G., Satriawati, G., Sobiruddin, D., & Fatra, M. (2023). Pendampingan Siswa dan Guru MI dalam Meningkatkan Kualitas Pembelajaran Matematika di Kecamatan Pulosari Kab. Pandeglang-Banten. *Wikrama Parahita : Jurnal Pengabdian Masyarakat*, 7(2), 217–228. <https://doi.org/10.30656/jpmwp.v7i2.5775>
- F. F., N., & I.U. Irkham Ulil, A. (2021). Learning Design on Surface Area and Volume of Cylinder Using Indonesian Ethno-mathematics of Traditional Cookie maker Assisted by GeoGebra. *Mathematics Teaching-Research Journal*, 13.0(4), 79–98. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85127123460&partnerID=40&md5=95b07e0bdcbe0a83942b0bf8ec077e9a>
- Favilli, F. (n.d.). *ETHNOMATHEMATICS AND MATHEMATICS EDUCATION* *Tipografia Editrice Pisana Pisa*.
- Gagne, R. M., Briggs, L. J., & Wager, W. W. (1992). *PRINCIPLES OF INSTRUCTIONAL FOURTH EDITION* (Vol. 4).
- I. Putu Ade Andre, P., Kadek Rahayu, P., I. Gusti Ayu Putu Arya, W., & Sompob, S. (2024). Student Responses to Culture-Based Mathematics Learning in the Indonesian and Thailand Education Curricula. *Mathematics Education Journal*, 18.0(1), 113–128. <https://doi.org/10.22342/jpm.v18i1.pp113-128>
- I.G.A.P.A. I. Gusti Ayu Putu Arya, W., I.P.A.A. I. Putu Ade Andre, P., K.R. Kadek Rahayu, P., & S. Sompob, S. (2024). The Role of Ethnomathematics in South-East Asian Learning: A Perspective of Indonesian and Thailand Educators. *Mathematics Teaching-Research Journal*, 16.0(3), 101–119. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85201211556&partnerID=40&md5=030a69a0c87a7e660313a1a0c80c28b4>
- Indriani, E., Fauzan, A., Syarif, A., Zainil, M., & Gistituati, N. (2024). Development of Ethnomathematics-Based Module to Improve Students' Critical Thinking

- Skills. *AL-ISHLAH: Jurnal Pendidikan*, 16(1), 371–386. <https://doi.org/10.35445/alishlah.v16i1.4835>
- Irawan, A., Lestari, M., Rahayu, W., & Dwitianti, N. (2022). Developing a Mathematics Learning Application Using an Android-based Ethnomathematics Concept of Traditional Javanese Batik Pattern. *KnE Social Sciences*. <https://doi.org/10.18502/kss.v7i14.11965>
- Jariyah, A., Putri, R. I. I., & Zulkardi. (2024). Development of Learning Video Reflection Using Palembang Songket Context to Determine Students' Mathematical Reasoning. *Mathematics Education Journal*, 18(2), 273–294. <https://doi.org/10.22342/jpm.v18i2.pp273-294>
- J.B. Jean Baptiste, N., E. Evode, M., L. Liz, L., S.A. Samia A., K., J.P.A. Jean Pierre Alpha, M., J.C.D. Jean Claude Dieu, D., O. Olivier, H., P. Paulin, M., J. Jeannette, M., & H. Henriette, M. (2024). Contributions of GeoGebra software within the socio-cultural proximity on enhancing students' conceptual understanding of mathematics. *Cogent Education*, 11.0(1). <https://doi.org/10.1080/2331186X.2024.2436296>
- J.P. Jackson Pasini, M., & Nini. (2023). Ethnomathematics Learning Model Based on Motifs of Dayak Ngaju Central Kalimantan. *Mathematics Teaching-Research Journal*, 15.0(5), 30–48. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85180343055&partnerID=40&md5=325de475f2a292833ecd607fca48ba9b>
- K. Kamid, K., J. Jefri, M., A. Auliya, R., Rohati, N.N. Nadia Natalia, S., & M. Muhammad, I. (2021). Study of Ethno-mathematics and Vygotsky's Constructivism on Jambi Traditional Marriages. *Educational Sciences: Theory and Practice*, 21.0(4), 123–137. <https://doi.org/10.12738/jestp.2021.3.008>
- K. Kamid, K., Rohati, D.A. Dwi Agus, K., R. Rahmat, P., D. Diki, C., & M. Mashelin, W. (2021). Impact of the Integration of Ethno-mathematics with TPACK framework as a problem-based learning (PBL) model. *Eurasian Journal of Educational Research*, 2021.0(96), 217–239. <https://doi.org/10.14689/ejer.2021.96.14>
- K.D. Kay D., O. (2020). Transforming the established perceptions of visuospatial reasoning: integrating an ecocultural perspective. *Mathematics Education Research Journal*, 32.0(2), 257–283. <https://doi.org/10.1007/s13394-020-00332-z>
- Kementerian Pendidikan, K. R. dan Teknologi. (2023). *Rapor Pendidikan Indonesia*.
- Khaerudin. (2025). *Model for Evaluating Learning Resources for Effective Instruction* (pp. 14–24). https://doi.org/10.2991/978-2-38476-376-4_3
- Kurniawan, H., Purwoko, R. Y., & Setiana, D. S. (2024). Integrating cultural artifacts and tradition from remote regions in developing mathematics lesson plans to enhance mathematical literacy. *Journal of Pedagogical Research*, 8(1), 61–74. <https://doi.org/10.33902/JPR.202423016>
- Kusuma, A. S., & Nurmawanti, I. (2023). Pengembangan Soal-Soal Literasi dan Numerasi Berbasis High Order Thinking Skills (HOTS) untuk Siswa Sekolah Dasar (SD). *Jurnal Ilmiah Profesi Pendidikan*, 8(1), 516–523. <https://doi.org/10.29303/jipp.v8i1.1313>

- Layly, S., & Fadhila Alimuddin, N. (2022). *The Students' Numerical Literacy Ability in Junior High Schools*. 13(2), 269–282. <http://journal.unnes.ac.id/nju/index.php/kreano>
- M. Muh, F., A. Anastasia, S., n., O., L. Loso, J., & W. Widiastuti, W. (2024). Reliability and separation index analysis of mathematics questions integrated with the cultural architecture framework using the Rasch model. *Journal of Education and E-Learning Research*, 11.0(3), 499–509. <https://doi.org/10.20448/jeelr.v11i3.5861>
- Ma, X., & Yang, Z. (2023). Research on Implementation of Application Consciousness Literacy in Junior High School Mathematics Classroom Instruction. *Asian Journal of Education and Social Studies*, 49(3), 191–198. <https://doi.org/10.9734/ajess/2023/v49i31147>
- M.A.P.D.S. Margarida Alexandra Piedade Da Silva, C., & R. Ricardo, M. (2024). Different Languages, Different Mathematics Learning; Diferentes Linguas, Diferentes Aprendizajes Matemáticos. *REDIMAT*, 13.0(2), 180–198. <https://doi.org/10.17583/redimat.14421>
- M.S. Mei Shiu, C., & W.T. Wee Tiong, S. (2024). Values and valuing pedagogies in affect-focused mathematics teaching. *Social Sciences and Humanities Open*, 10.0. <https://doi.org/10.1016/j.ssaho.2024.101050>
- M.W. M. W., A., & R. Retni, P. (2021). PISA-LIKE PROBLEMS USING ISLAMIC ETHNOMATHEMATICS APPROACH. *Infinity Journal*, 10.0(2), 203–216. <https://doi.org/10.22460/infinity.v10i2.p203-216>
- Noto, M. S., Firmasari, S., & Fatchurrohman, M. (2018). Etnomatematika pada sumur purbakala Desa Kaliwadas Cirebon dan kaitannya dengan pembelajaran matematika di sekolah. *Jurnal Riset Pendidikan Matematika*, 5(2), 201–210. <https://doi.org/10.21831/jrpm.v5i2.15714>
- N.S. Natalie S., K. (2022). Black girls matter: A critical analysis of educational spaces and call for community-based programs. *Cultural Studies of Science Education*, 17.0(1), 53–61. <https://doi.org/10.1007/s11422-022-10113-8>
- Oktiningrum, W., & Hartono, Y. (2016). Developing PISA-LIKE Mathematics Task With Indonesia Natural and Cultural Heritage as Context to Assess Students Mathematical Literacy. *Journal on Mathematics Education*, 7(1), 1–10.
- P. Pauline, V., & P. Peter, F. (2020). The object-tool duality in mathematical modelling. A framework to analyze students' appropriation of Sankey diagrams to model dynamic processes; La dualidad objeto-herramienta en la modelización matemática. Un marco de análisis de la apropiación de los estudiantes de diagramas Sankey para modelar procesos dinámicos. *Avances de Investigacion En Educacion Matematica*, (17), 52–66. <https://doi.org/10.35763/AIEM.V0I17.305>
- Palinussa, A. L., Molle, J. S., & Gaspersz, M. (2021). Realistic mathematics education: Mathematical reasoning and communication skills in rural contexts. *International Journal of Evaluation and Research in Education*, 10(2), 522–534. <https://doi.org/10.11591/ijere.v10i2.20640>
- Pathuddin, H., Kamariah, & Mariani, A. (2023). Ethnomathematics of Pananrang: A guidance of traditional farming system of the Buginese community. *Journal on*

- Mathematics Education*, 14(2), 205–224.
<https://doi.org/10.22342/jme.v14i2.pp205-224>
- PISA 2022 Results Factsheets Indonesia PUBE. (2023).
<https://oecdch.art/a40de1dbaf/C108>.
- Prahmana, R. C. I., & D'Ambrosio, U. (2020). Learning geometry and values from patterns: Ethnomathematics on the batik patterns of yogyakarta, indonesia. *Journal on Mathematics Education*, 11.0(3), 439–456.
<https://doi.org/10.22342/jme.11.3.12949.439-456>
- Pratama, R. A., & Yelken, T. Y. (2024). Effectiveness of ethnomathematics-based learning on students' mathematical literacy: a meta-analysis study. *Discover Education*, 3(1). <https://doi.org/10.1007/s44217-024-00309-1>
- Purwanti, A., Kurnia Putri, A., Cornelia, C., & Dewi Wijayanti, M. (2023). *Analysis of The Influence of Spinning Math Games on Learning Motivation Literacy Numeration Children in Bocor Village Reading and Arts School*.
<https://jurnal.uns.ac.id/shes>
- Putri, R. I. I., Zulkardi, & Riskanita, A. D. (2022). Students' problem-solving ability in solving algebra tasks using the context of Palembang. *Journal on Mathematics Education*, 13(3), 549–564. <https://doi.org/10.22342/jme.v13i3.pp549-564>
- RAPOR-PENDIDIKAN-INDONESIA-2023. (n.d.).
- R.B. Rúbia Barcelos, A.-S., & L.C. Lucas Carato, M. (2021). Contextualized tasks of Brazilian textbooks from a critical mathematics education perspective. *Acta Scientiae*, 23.0(8), 222–261. <https://doi.org/10.17648/acta.scientiae.6466>
- Richardo, R., Wijaya, A., Rochmadi, T., Abdullah, A. A., Nurkhamid, Astuti, A. W., & Hidayah, K. N. (2023). Ethnomathematics Augmented Reality: Android-Based Learning Multimedia to Improve Creative Thinking Skills on Geometry. *International Journal of Information and Education Technology*, 13(4), 731–737.
<https://doi.org/10.18178/ijiet.2023.13.4.1860>
- Rosa, M., & de Oliveira, C. C. (2020). Ethnomathematics in Action: Mathematical Practices in Brazilian Indigenous, Urban and Afro Communities. In *Ethnomathematics in Action: Mathematical Practices in Brazilian Indigenous, Urban and Afro Communities*. Springer International Publishing.
<https://doi.org/10.1007/978-3-030-49172-7>
- R.S. Renee Serrell, G., I.N. Imani N., A., & S. Sungwoo, K. (2024). From saving to budgeting: unpacking the impact of a culturally relevant financial literacy summer program- Smart money. *Cogent Education*, 11.0(1).
<https://doi.org/10.1080/2331186X.2024.2387900>
- S. Sardulo, G., I. I., K., E. Edy, S., R.K. Reza Kusuma, S., S.A. Sri Adi, W., & W. Wasilatul, M. (2022). The Effectiveness of Mathematics Learning Based on Javanese Vegetable Salad Context to Improving Students' Higher Order Thinking Skills. *Pegem Egitim ve Ogretim Dergisi*, 13.0(1), 84–91.
<https://doi.org/10.47750/pegegog.13.01.10>
- S. Shereen, E. B., K. Kyeongsik, C., Z. Zsolt, L., K. Kristóf, F., & T. Tony, H. (2021). STEAM Practices to Explore Ancient Architectures Using Augmented Reality and 3D Printing with GeoGebra. *Open Education Studies*, 3.0(1), 176–187.
<https://doi.org/10.1515/edu-2020-0150>

- S. Sigit, S., K. Karolina, R., M.A. M. A., R. K., J.N. John Nandito, L., M. Michael, I., & A.S.K. Andy Sunder Keer, D. (2024). ETHNOMATHEMATICS OF SMALL BORDER ISLANDS: LUTUR BATU ON MOA ISLAND. *Barekeng*, 18.0(1), 475–482. <https://doi.org/10.30598/barekengvol18iss1pp0475-0482>
- S. Suherman, S., & T. Tibor, V. (2022). Tapis Patterns in the Context of Ethnomathematics to Assess Students' Creative Thinking in Mathematics: A Rasch Measurement. *Mathematics Teaching-Research Journal*, 14.0(4), 56–79. <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144736487&partnerID=40&md5=546edff26714b3c02692d80fe4975aed>
- S.A. S. A., D. Z., & n., S. (2023). ETHNOMATHEMATICS: EXPLORATION OF SEWU TEMPLE IN KLATEN. *Barekeng*, 17.0(2), 1039–1048. <https://doi.org/10.30598/barekengvol17iss2pp1039-1048>
- Sari, N., Saragih, S., Napitupulu, E. E., Rakiyah, S., Sari, D. N., Sirait, S., & Anim, A. (2023). Applying Ethnomathematics in Learning Mathematics for Middle School Students. *Acta Scientiae*, 25(5), 250–274. <https://doi.org/10.17648/acta.scientiae.7690>
- Sri Purnami, A., Rizky Nur Utami, D., & Singgih Kuncoro, K. (2022). *Ethnomathematics In the Museum of Sasmitaloka Panglima Besar Jendral Sudirman Yogyakarta In Improving Students' Creative Thinking Ability* (Vol. 5, Number 2). <https://indomath.org/index.php/>
- S.S. Shugufta Sojhro, K., & N.F. Nusrat Fatima, R. (2024). Mathematics for social justice: An action research study with working-class children in a Pakistani classroom. *Asian Journal for Mathematics Education*, 3.0(4), 493–514. <https://doi.org/10.1177/27527263241293196>
- Sunzuma, G., & Umbara, U. (2025). Ethnomathematics-based technology in Indonesia: A systematic review. In *Asian Journal for Mathematics Education* (Vol. 4, Number 1, pp. 129–153). SAGE Publications Ltd. <https://doi.org/10.1177/27527263241305812>
- Supriyadi, E., Turmudi, T., Dahlan, J. A., & Juandi, D. (2024). Development Of Sundanese Gamelan Ethnomathematics E-Module For Junior High School Mathematics Learning. *Malaysian Journal of Learning and Instruction*, 21(2), 147–186. <https://doi.org/10.32890/mjli2024.21.2.6>
- Susanta, A., Sumardi, H., Susanto, E., & Retnawati, H. (2023). Mathematics literacy task on number pattern using Bengkulu context for junior high school students. *Journal on Mathematics Education*, 14(1), 85–102. <https://doi.org/10.22342/JME.V14I1.PP85-102>
- U. Umi, H., M. Makhfud, E., A.N. Ana Naimatul, J., & I. Ira, F. (2024). Ethnomathematics: Exploration of Mathematical Concepts on the Process of Madurese Salt Production. *Mathematics Education Journal*, 18.0(1), 59–78. <https://doi.org/10.22342/jpm.v18i1.pp59-78>
- W. W., W., M.G. M. Gita, P., & J.R.L. José Roberto Linhares, de M. (2022). Javanese ethnomathematics: Exploration of the Tedhak Siten tradition for class learning practices. *Journal on Mathematics Education*, 13.0(4), 661–680. <https://doi.org/10.22342/jme.v13i4.pp661-680>

- Widiantari, N. K. K., Suparta, I. N., & Sariyasa, S. (2022). Meningkatkan Literasi Numerasi dan Pendidikan Karakter dengan E-Modul Bermuatan Etnomatematika di Era Pandemi COVID-19. *JIPM (Jurnal Ilmiah Pendidikan Matematika)*, 10(2), 331. <https://doi.org/10.25273/jipm.v10i2.10218>
- Zahra, N., & Amaliyah, N. (2023). ANALISIS FAKTOR RENDAHNYA LITERASI SISWA DI KELAS 4 SDN SUSUSKAN 03 PAGI. *Research and Development Journal of Education*, 9(2), 898. <https://doi.org/10.30998/rdje.v9i2.19454>

Buku

- Dick, W., Carey, L., & Carey, J. O. (2015). *The systematic design of instruction* (8th ed.). Pearson.
- Kilbane, C. R., & Milman, N. B. (2014). *Teaching models: Designing instruction for 21st century learners*. Pearson.
- Reigeluth, C. M., & Carr-Chellman, A. A. (Eds.). (2009). *Instructional-design theories and models: Building a common knowledge base* (Vol. 3). Routledge.
- Rosa, M., & de Oliveira, C. C. (2020). Ethnomathematics of the global South. In M. Rosa & C. C. de Oliveira (Eds.), *Ethnomathematics in action: Mathematical practices in Brazilian indigenous, urban and Afro communities* (pp. 1–22). Springer.
- Smaldino, S. E., Lowther, D. L., & Russell, J. D. (2012). *Instructional technology and media for learning* (10th ed.). Pearson.

