

REFERENCES

- Abdullah, R. 2016. Pembelajaran dalam perspektif kreativitas guru dalam pemanfaatan media pembelajaran. *Lantanida Journal*, 4(1):35-49
- Absari, N., Priyanto, P., & Muslikhin, M. (2020). The effectiveness of technology, pedagogy and content knowledge (TPACK) in learning. *Jurnal Pendidikan Teknologi dan Kejuruan*, 26(1), 43–51. <https://doi.org/10.21831/jptk.v26i1.24012>.
- Adhabi, E., & Anozie, C. B. (2017). Design and Implementation of Semi-Structured Interviews in Research. *International Journal of Research in Education and Social Sciences*, 5(1), 20-35.
- Alhababi, H. H. (2017). *Technological Pedagogical Content Knowledge (TPACK) Effectiveness on English Teachers and Students in Saudi Arabia. Dissertation: University of Northern Colorado. Retrieved from <https://digscholarship.unco.edu/dissertations/456/>*
- Angeli, C., & Valanides, N. (2009). *Epistemological and Methodological Issues for the Conceptualization, Development, and Assessment of ICT-TPCK: Advances in Technological Pedagogical Content Knowledge (TPCK). Computers & Education*, 52(1), 154-168.
- Annida Lathifa Riandy Putri^{1*}, Winarno², Tri Murwaningsih³, 2023, The Implementation TPACK in Elementary School, *International Journal of Elementary Education*, Pendidikan Guru Sekolah Dasar, Universitas Sebelas Maret
- Ariani, Dessy Noor. 2015. "Hubungan Antara Technological Pedagogical Content Knowledge Dengan Technology Integration Self Efficacy Guru Matematika Di Sekolah Dasar." *Muallimuna* 1(1):79–91. doi: 10.31602/muallimuna.v1i1.277.
- Arseven, A. (2018). Case Study Research Methods in Education. *Journal of Research in Education and Training*, 5(2), 25-42.

- Ary, D., Jacobs, L. C., Sorensen, C., & Razavieh, (2010). *Introduction to Research in Education (8th Ed)*. Belmont California: Wadsworth Cengage Learning.
- Bas G. and Senturk C. (2018) "An Evaluation of Technological Pedagogical Content Knowledge (TPACK) of In-Service Teachers: A Study in Turkish Public Schools," *Int. J. Educ. Technol.*, vol. 52, pp. 46–58.
- Bernard, H. (2006). A telling tale of a tail and language teaching and/or learning. *Language Learning Journal*, 34(1):72-76. doi: 10.1080/09571730685200271
- Brace, I. (2018). *Questionnaire Design: How to Plan, Structure, and Write Survey Material for Effective Market Research (4th ed.)*. London: Kogan Page.
- Chai C. S., J. H. Ling Koh, C.-C. Tsai, and L. Lee Wee Tan. (2011). "Modeling Primary School Pre-Service Teachers' Technological Pedagogical Content Knowledge (TPACK) for Meaningful Learning with Information and Communication Technology (ICT)," *Comput. Educ.*, vol. 57, no. 1, pp. 1184–1193.
- Çam, Ş. S., & Erdamar Koç, G. (2021). *Technological Pedagogical Content Knowledge Practices in Higher Education: First Impressions of Preservice Teachers*. *Technology, Knowledge and Learning*, 26(1), 123–153. <https://doi.org/10.1007/s10758-019-09430-9>.
- Chai, C. S., Koh, J. H. L., & Tsai, C. C. (2013). *Facilitating Preservice Teachers' Technological Pedagogical Content Knowledge (TPACK) Development: An Investigative Study*. *Educational Technology & Society*, 16(1), 1-11.
- Çoban, M., Yilmaz, R., & Arslan, G. (2016). Analysis of TPACK Implementation in Educational Settings. *Journal of Educational Technology*, 9(4), 15-29.
- Creswell, J. W. (2002). *Qualitative Inquiry and Research Design: Choosing Among Five Approaches*. Thousand Oaks: Sage Publications.
- Creswell, J. W. (2012). *Qualitative Inquiry and Research Design: Choosing Among Five Approaches (3rd ed.)*. Thousand Oaks: Sage Publications.
- Creswell, J. W., & Creswell, J. D. (2018). *Research Design: Qualitative, Quantitative, and Mixed Methods Approaches (5th ed.)*. Thousand Oaks: Sage Publications.

- Darling-Hammond, L. (2000). *Teacher Quality and Student Achievement: A Review of State Policy Evidence*. *Educational Policy Analysis Archives*, 8(1), 1-44.
- Darsih, E., Agustiana, V., & Rahmatunisa, W. (2023). Exploring the integration of technological pedagogical content knowledge (TPACK) in online teaching among EFL lecturers. *English Review: Journal of English Education*, 11(2), 561-570. <https://doi.org/10.25134/erjee.v11i2.7570>.
- Denzin, N. K., & Lincoln, Y. S. (2018). *The SAGE Handbook of Qualitative Research* (5th ed.). Thousand Oaks: Sage Publications.
- Denise, E., Murray. (2020). *The world of English language teaching: Creating equity or inequity?*. *Language Teaching Research*, 24(1):60-70. doi: 10.1177/1362168818777529.
- Desstya, A. 2018. Validitas reliabilitas instrument technologycal pedagogical content knowledge (TPACK) guru sekolah dasar muatan pelajaran IPA. *Jurnal Basic of Education*, 3(1):126-139
- Diamantopoulos, A., & Schlegelmilch, B. B. (2006). *The Power of Survey Design: A User's Guide for Managing Surveys, Interpreting Results, and Influencing Respondents*. Washington, DC: World Bank Publications
- Dominic, W. (2009). Teaching English, language and literacy. *Cambridge Journal of Education*, 39(3):287-290. doi: 10.1080/03057640903106424
- Drumerhameed, A. (2021). *Developing Questionnaires for Research*. London: Routledge, 21 January 2024, www.drumerhameed.com.
- Ekayani, N.L.P. 2017. Pentingnya penggunaan media pembelajaran untuk meningkatkan prestasi belajar siswa. artikel Jurusan PGSD, fakultas ilmu pendidikan Universitas Pendidikan Ganesha. (https://www.researchgate.net/profile/Putu_Ekayani/publication/315105651., diakses 17 Februari 2020).
- Estaji, M., Ghaffari, M., & Khosravi, F. (2019). Designing Effective Interview Guides for Qualitative Research. *Journal of Educational Research and Practice*, 9(3), 45-60.

- Feladi, R., & Puspitasari, D. (2018). Penggunaan TPACK dalam Pembelajaran Bahasa Inggris: Studi Kasus di Sekolah Dasar. *Jurnal Pendidikan dan Teknologi*, 15(3), 45-60.
- Flick, U. (2009). *An Introduction to Qualitative Research (4th ed.)*. Thousand Oaks: Sage Publications.
- Gordon, N. J. (2008). *Educational Psychology: A Problem-Based Approach*. Pearson.
- Graham, C. R. (2011). *Theoretical Considerations for Understanding Technological Pedagogical Content Knowledge (TPACK)*. *Computers & Education*, 57(3), 1953-1961.
- Graham, C. R., & Eryilmaz, S. (2018). The TPACK Framework in Practice: Examples from the Field. *Journal of Technology and Teacher Education*, 26(3), 273-289.
- Graue, M. E. (2015). *Designing and Conducting Research in Education: An Introduction*. Thousand Oaks: Sage Publications.
- Hague, P. (2004). *Questionnaire Design: How to Plan, Structure, and Write Survey Material for Effective Market Research*. London: Kogan Page.
- Halidi, H.M., Husain, S.N., & Saehana, S. 2015. Pengaruh media pembelajaran berbasis TIK terhadap motivasi dan hasil belajar IPA siswa kelas V SDN Model Terpadu Madani Palu. *Jurnal Mitra Sains*, 3(1):53-60
- Handayani, L., & Yulianti, D. (2022). Implementing TPACK in English Language Teaching in Indonesian Elementary Schools: Challenges and Opportunities. *Indonesian Journal of Applied Linguistics*, 12(1), 33-47.
- Hanafiah, N., & Suhana, C. (2009). *Konsep Strategi Pembelajaran*, Bandung: PT. Refika Aditama.
- Hanik, E. U., Puspitasari, D., Safitri, E., Firdaus, H. R., Pratiwi, M., & Inayah, R. N. (2022). Integrasi Pendekatan tpack (technological, pedagogical, content knowledge) guru sekolah dasar sikel dalam melaksanakan pembelajaran era digital. *JEID: Journal of Educational Integration and Development*, 2(1), 15-27.

- Harris, J., Mishra, P., & Koehler, M. J. (2009). Teachers' Technological Pedagogical Content Knowledge and Learning Activity Types: Curriculum-based Technology Integration Reframed. *Journal of Research on Technology in Education*, 41(4), 393-416.
- Harris, J., Mishra, P., & Koehler, M. J. (2009). *Teacher knowledge and technology: A framework for integrating technology into teaching*. In *Handbook of Research on Educational Communications and Technology* (pp. 555-567). Routledge.
- Hattie, J. (2009). *Visible Learning: A Synthesis of Over 800 Meta-Analyses Relating to Achievement*. Routledge.
- Huang, Y. (2021). *TPACK Framework for Online EFL Teacher Training in Higher Education*. *Adult and Higher Education*, 3(1), 95-102. <https://doi.org/10.23977/aduhe.2021.03011>
- Hidayat, A. 2018. Kemampuan TPACK (technological paedagogical and content knowledge) guru biologi kelas X SMA Negeri Se- Surakarta tahun ajaran 2017/2018. Skripsi, Universitas Muhammadiyah Surakarta. (<http://eprints.ums.ac.id/id/eprint/68154>., diakses 19 April 2020).
- Ira Iasha. 2022. *The Implementation of Technological Pedagogical Content Knowledge (TPACK) Concept of The Teacher's Competence in English Teaching at Junior High School*. Thesis. English Education Department, Faculty of Tarbiyah and Teacher Training, Antasari State Islamic University Banjarmasin.
- Irmita, L., & Atun, S. (2018). The influence of Technological Pedagogical and Content Knowledge (TPACK) approach on science literacy and social skills. *Journal of Turkish Science Education*, 15(3), 27-40.
- Johnson, D. W., & Johnson, R. T. (2005). *Learning Together and Alone: Cooperative, Competitive, and Individualistic Learning* (5th ed.). Allyn & Bacon.
- Johnson, D. W., & Johnson, R. T. (2009). *An Educational Psychology Success Story: Social Interdependence Theory and Cooperative Learning*. *Educational Psychologist*, 44(1), 15-2.

- Kathleen, G., Sue, G. (2017). *An analysis of three curriculum approaches to teaching English in public-sector schools. Language Teaching*, 50(4):441-482. doi: 10.1017/S0261444817000155
- Kawulich, B. B. (2012). *Introduction to Qualitative Research Methods: A Training Module*.
- Kawulich, B. B. (2012). *Collecting Data through Observation. In Qualitative Research Methods (pp. 67-80)*.
- Kihoza, P., Zlotnikova, I., Bada, J., & Kalegele, K. (2016). Classroom ICT Integration in Tanzania: Opportunities and Challenges from the Perspectives of TPACK and SAMR Models. *International Journal of Education and Development Using Information and Communication Technology*, 12(1), 107–128
- Kim, H., & Yoo, J. I. (2021). Investigating Pre-service Teachers' Technological Pedagogical Content Knowledge (TPACK) Development in English Education. *Journal of Educational Technology & Society*, 24(1), 120-134.
- Koehler, M. J., Mishra, P., & Cain, W. (2013). What is Technological Pedagogical Content Knowledge (TPACK)? *Journal of Education*, 193(3), 13–19. <https://doi.org/10.1177/002205741319300303>
- Koehler, M. J., & Mishra, P. (2008). *Handbook of Technological Pedagogical Content Knowledge (TPCK) for Educators*. New York: Routledge Taylor & Francis Group.
- Koehler, M. J., Mishra, P., Shin, T. S., Schmidt, D. A., Thompson, A. D., & Baran, E. (2014). Technological Pedagogical Content Knowledge (TPACK): The Development and Validation of an Assessment Instrument for Preservice Teachers. *Journal of Research on Technology in Education*, 42(2), 123.
- Koehler, M.J., & Mishra, P. (2008). *Introducing TPCK. In AACTE Committee on Innovation and Technology (Ed.), Handbook of technological pedagogical content knowledge (TPCK) for educators (pp. 2–29)*. Routledge.
- Koehler, M.J., & Mishra, P. (2009). *What is technological pedagogical content knowledge (TPACK)? Contemporary Issues in Technology and Teacher*

- Education*, 9(1), 60–70. Society for Information Technology & Teacher Education. Retrieved from <https://www.learntechlib.org/primary/p/29544/>
- Koehler, M. J., & Mishra, P. (2013). *Why We Need a New Teacher Knowledge Domain: A Critical Review of Technological Pedagogical Content Knowledge (TPACK)*. *Teachers College Record*, 115(1), 1-19.
- Koehler, M.J., Mishra, P., Kereluik, K., Shin, T.S., & Graham, C.R. (2014). *The technological pedagogical content knowledge framework*. In J.M. Spector, M.D. Merrill, J. Elen, & M.J. Bishop (Eds.), *Handbook of Research on Educational Communications and Technology* (pp. 101–111). Springer.
- Kopcha T. J., Leftwich A. O., and Jung J. (2014). “Examining the TPACK Framework Through the Convergent and Discriminant Validity of Two Measures,” *Comput. Educ.*, vol. 78, pp. 87–96.
- Lestari, S. 2016. Analisis kemampuan technological pedagogical content knowledge (TPACK) pada guru biologi SMA dalam materi sistem saraf. Thesis. Universitas Pendidikan Indonesia. (<http://repository.upi.edu/id/eprint/23119>., diakses 11 Juli 2019)
- Lin, H., & Huang, H. (2020). Technological Pedagogical Content Knowledge (TPACK) Framework: Understanding the Intersection of Technology, Pedagogy, and Content Knowledge. *Journal of Educational Technology*, 19(2), 112-130.
- Malhotra, N. K. (2010). *Questionnaire Design and Scale Development*. Georgia Institute of Technology: Pearson Education.
- Mayer, R. E. (2009). *Multimedia Learning* (2nd ed.). Cambridge University Press.
- Marienda, Winda, Moch. Zainuddin, and Eva Nuriyah Hidayat. 2015. “Kompetensi Dan Profesionalisme Guru Pendidikan Anak Usia Dini.” *Prosiding Penelitian Dan Pengabdian Kepada Masyarakat* 2(2):147–56. doi: 10.24198/jppm.v2i2.13271.
- Mulyasa, Standar Kompetensi dan Sertifikasi Guru. Bandung: Remaja Rosdakarya 2009.
- Mezmir, F. (2020). *Qualitative Research Methods: A Data Analysis Perspective*. New York: Routledge.

- Miles, M. B., Huberman, A. M., & Saldaña, J. (2014). *Qualitative Data Analysis: A Methods Sourcebook* (3rd ed.). Thousand Oaks: Sage Publications.
- Mishra, P., & Koehler, M. J. (2006). *Technological Pedagogical Content Knowledge: A Framework for Teacher Knowledge*. *Teachers College Record*, 108(6), 1017-1054.
- Mouza, C., Karchmer-Klein, R., Nandakumar, R., Ozden, S. Y., & Hu, L. (2014). *Investigating the impact of an integrated approach to the development of preservice teachers' technological pedagogical content knowledge (TPACK)*. *Computers & Education*, 71, 206-221.
- Mr., Jeanel, C, Gregorio. (2022). Social Studies Teacher's Perception in the Use of Educational Websites in Online Teaching in the Philippines: A Systematic Literature Review. *International journal of multidisciplinary research and analysis*, 05(02).
- Nasution, Nurhamidah, and Nurhafizah Nurhafizah. 2019. "Profesionalisme Guru Anak Usia Dini Era Digital." *Jurnal Pendidikan Tambusai* 3(2):666–75.
- Nazir, Moh. *Metode Penelitian*, Bogor: Ghalia Indonesia, 2013
- Niess, M. L. (2005). *Preparing Teachers to Teach Science and Mathematics with Technology: Developing a Technology Pedagogical Content Knowledge*. *Teaching and Teacher Education*, 21(5), 509-523.
- Nursamsu & Kusnafizal, T. 2017. Implementasi pembelajaran berbasis ICT (Information and communication technology) sebagai alat bantu komputer multimedia untuk meningkatkan kompetensi guru serta prestasi belajar siswa. *Jurnal Pendidikan Biologi*, 6(3):351-355
- Ivansyah Obos, A., Aridah, A., & Rusmawaty, D. (2022). Transition to Online Learning: Implementing the TPACK Framework by English Teachers due to the COVID-19 Pandemic. *Journal of Education and Teaching (JET)*, 4(1), 20-34. <https://doi.org/10.51454/jet.v4i1.199>
- Orum, A. M. (2015). *The Nature of the Case Study*. In *Case Study Research: Design and Methods* (4th ed.), edited by Robert K. Yin, 3-18. Thousand Oaks: Sage Publications.

- Patton, M. Q. (2003). *Qualitative Research & Evaluation Methods: Integrating Theory and Practice* (3rd ed.). Thousand Oaks: Sage Publications.
- Pernantah, P.S. (2024). TPACK-Approach with SAMR Model in Social Studies Learning: A Literature Review. *Indonesian Journal of Social Science Education (IJSSE)*, 6 (2), 176-184. DOI:
- Putri, S. E. (2019). *The Implementation of TPACK in Teaching Writing Recount Text in a Senior Highschool Level* (Vol. 7).
- Pradilasari, L., Gani, A., & Khaldun, I. 2019. Pengembangan media pembelajaran berbasis audio visual pada materi koloid untuk meningkatkan motivasi dan hasil belajar siswa SMA. *Jurnal Pendidikan Sains Indonesia* (Indonesian Journal of Science Education), 7(1):9-15
- Radesky, J. S., Weeks, H. M., Ball, R., Schaller, A., Yeo, S., Durnez, J.Barr, R., (2020). Young children's use of smartphones and tablets. *Pediatrics*, 146(1), Article e20193518. <https://doi.org/10.1542/peds.2019-3518>
- Rahayu, S. (2017). Implementasi TPACK dalam Proses Pembelajaran: Studi Kasus di Sekolah Dasar. *Jurnal Pendidikan*, 10(2), 123-136.
- Rea, L. M., & Parker, R. A. (2014). *Designing and Conducting Survey Research: A Comprehensive Guide* (4th ed.). San Francisco: Jossey-Bass.
- Reza, K., Anna, H. (2016). *The Construct Definition of an English Language Teachers' Content Knowledge. The Qualitative Report*, 21(5):972-992. doi: 10.46743/2160-3715/2016.2310
- Rideout V. The Common Sense Census: Media Use by Kids Age Zero to Eight. San Francisco, CA: Common Sense Media; 2017
- Robinson, K., & Aronica, L. (2009). *Creative Schools: The Grassroots Revolution That's Transforming Education*. Penguin Books.
- Rohmitawati. (2018). The Implementation of TPACK (Technology, Pedagogy, and Content Knowledge) Framework on Indonesian Online Mathematics Teachers Training. *Southeast Asian Mathematics Education Journal*, 8(1).
- Schmidt, D. A., Baran, E., Thompson, A. D., Mishra, P., Koehler, M. J., & Shin, T. S. (2009). Technological Pedagogical Content Knowledge (TPACK) The

- Development and Validation of An Assessment Instrument for Preservice Teachers. *Journal of Research on Technology in Education*, 42(2), 123–149.
- Schmidt, D. A., Baran, E., & Thompson, A. D. (2014). *Examining the TPACK Framework: A Comprehensive Review of the Literature*. *Educational Technology Research and Development*, 62(2), 215-240.
- Schmidt, D. A., & Baran, E. (2019). *The Evolution of TPACK: A Decade of Research*. *Educational Technology Research and Development*, 67(1), 87-102.
- Schmidt, D. A., Baran, E., Thompson, A. D., Mishra, P., Koehler, M. J., & Shin, T. S. (2009). Technological Pedagogical Content Knowledge (TPACK): The Development and Validation of an Assessment Instrument for Preservice Teachers. *Journal of Research on Technology in Education*, 42(2), 123-149.
- Segall, A. (2004). *Revisiting pedagogical content knowledge: the pedagogy of content/the content of pedagogy*. *Teaching and Teacher Education*, 20(5), 489-504.
- Septianova, B.S.F. & Rusiyanto. 2017. Perbandingan hasil belajar siswa menggunakan media pembelajaran audio visual dan dengan menggunakan media konvensional. *Jurnal Pendidikan Teknik Mesin*, 17(2):62-67
- Shulman, L. S. (1986). *Those Who Understand: Knowledge Growth in Teaching*. *Educational Researcher*, 15(2), 4-14.
- Sinta Ari Susanti. 2022. *Teaching English based on Technological Pedagogical Content Knowledge (TPACK) Framework at SMAN 1 Jepara in Academic Years 2021/2022*. Thesis. English Language Education Study Program, Language Department, Cultures and Languages Faculty.
- Siti Rohani, 2022: *“The Implementation of Teaching English Through E-learning Madrasah at Second Grade of MAN 1 Jember*.
- Sokolovsky, J. (1996). *The Ethnography of Work*. In *Research Methods for Cultural Studies*, edited by David Held and Henrietta L. Moore, 165-185. London: Routledge.

- Suarni, "Meningkatkan keaktifan belajar siswa pada kompetensi dasar organisasi pelajaran PKN melalui pendekatan pembelajaran PAKEM untuk kelas IV SD negeri 064988 Medan Johor T.A. 2014/2015", *Journal of Physics and Science Learning (PASCAL)* Vol. 01 No 2, (Desember 2017), 131 diakses 20 Maret 2022
<https://jurnal.uisu.ac.id/index.pHP/PASCAL/article/view/347>
- Susyla D., Jaya S. (2023). Digital Assessment in English Language Teaching (ELT): A Systematic Literature Review. *Journal of English Education and Linguistics*.
- Sweller, J. (1988). *Cognitive load during problem-solving: Effects on learning. Cognitive Science*, 12(2), 257-285.
https://doi.org/10.1207/s15516709cog1202_4
- Taherdoost, H. (2018). *Designing a Questionnaire for a Research Paper: A Comprehensive Guide to Design and Develop an Effective Questionnaire*. Cambridge, UK: SMInsight.
- Tseng, S. C., & Tsai, C. C. (2020). The Development and Validation of Technological Pedagogical Content Knowledge Scale for English Teachers in Elementary Schools. *International Journal of Educational Technology*, 17(2), 45-58.
- Voogt, J., & Roblin, N. P. (2012). *21st Century Skills: Discussion Paper*. University of Twente, Netherlands. Retrieved from <http://www.utwente.nl>
- Vygotsky, L. S. (1978). *Mind in Society: The Development of Higher Psychological Processes*. Harvard University Press.
- Wu, T. T., & Hsu, Y. S. (2021). Factors Influencing Elementary School English Teachers' TPACK in Taiwan: A Structural Equation Modeling Approach. *Journal of Educational Research and Practice*, 11(3), 56-73.
- Xu, Y., & Storr, J. (2012). Researcher as Instrument in Qualitative Research. *Qualitative Research Journal*, 12(3), 233-245.
- Xu, Y., & Storr, L. (2012). Understanding Ontology and Epistemology in Qualitative Research. *Journal of Qualitative Research*, 15(2), 113-126.
- Yang, F. Y., & Tsai, C. C. (2020). *Developing Elementary School English Teachers' Technological Pedagogical Content Knowledge in Digital Contexts*. *Asia-Pacific Education Researcher*, 29(4), 345-358.
- Yin, R. K. (2003). *Case Study Research: Design and Methods (3rd ed.)*. Thousand Oaks: Sage Publications.