

References

- Alshahrani, N. (2023). Integration e-learning tools in teaching and learning English language: Literature review. *Advances in Social Sciences Research Journal*, 10(8), 396-399. <https://doi.org/10.14738/assrj.108.15458>
- Atar, C., Aydin, S., & Bagci, H. (2019). An investigation of pre-service English teachers' level of technopedagogical content knowledge. *Journal of Language and Linguistic Studies*, 15(3), 794-805. <https://doi.org/10.17263/jlls.631517>
- Azhar, I. N. K., & Hashim, H. (2022). Level of ESL Teachers' Technological Pedagogical Content Knowledge (TPACK) Skill and Attitude towards Technology. *Creative Education*, 13, 1193-1210. <https://doi.org/10.4236/ce.2022.134074>
- Babbie, E. R. (2020). *The practice of social research*. Cengage Au.
- Chan, K. K., & Tang, W. K. (2024). Evaluating English teachers' artificial intelligence readiness and training needs with a TPACK-based model. *World Journal of English Language*, 15(1), 129-145. <https://doi.org/10.5430/wjel.v15n1p129>
- Creswell, J. W. (2014). *Research design: Qualitative, quantitative, and mixed methods approach* (4th ed.). University of Nebraska-Lincoln.
- Ertmer, P. A., & Ottenbreit-Leftwich, A. T. (2010). Teacher technology change: How knowledge, confidence, beliefs, and culture intersect. *Journal of Research on Technology in Education*, 42(3), 255-284. <http://dx.doi.org/10.1080/15391523.2010.10782551>
- Estigoy, E. (2021). Information and communication technology (ICT) readiness and its integration to teaching and learning process among private high schools. *Advance a Sage preprints community*, 1-18. <http://dx.doi.org/10.31124/advance.13669814>
- Ghavifekr, S., & Rosdy, W.A.W. (2015). Teaching and learning with technology: Effectiveness of ICT integration in schools. *International Journal of Research in Education and Science (IJRES)*, 1(2), 175-191.
- Halim, A., Abduh, A., & Toding, R. W. (2024). Menghadapi tantangan TPACK: Kesiapan dan adaptasi guru EFL di SMAN 13 Makassar. *Proceeding of National Seminar: Research and Community Service Institute Universitas Negeri Makassar*, 316-326.
- Hammerness, K., Darling-Hammond, L., Bransford, J., Berliner, D., Cochran-Smith, M., McDonald, M., & Zeichner, K. (2005). How teachers learn and develop. In L. Darling-Hammond & J. Bransford. (Eds.), *Preparing teachers for a changing world: What teachers should learn and be able to do* (pp. 358-389). Jossey-Bass.
- Harris, J., Mishra, P., & Koehler, M. (2009). Teachers' technological pedagogical content knowledge and learning activity types. *Journal of Research on Technology in Education*, 41(4), 393-416. <https://doi.org/10.1080/15391523.2009.10782536>
- Hidayat, A. (2019). Technological Pedagogical Content Knowledge (TPACK) instrument for Indonesia science pre-service teacher: Framework,

- indicators, and items Development. *Unnes Science Education Journal*, 8(2), 155–167.
- Ifinedo, E., Saarela, M., & Hämäläinen, T. (2019). Analysing the Nigerian Teacher's readiness for technology integration. *International Journal of Education and Development using Information and Communication Technology*, 15(3), 34-52.
- Joo, Y. J., Park, S., & Lim, E. (2018). Factors influencing preservice teachers' intention to use technology: TPACK, teacher self-efficacy, and technology acceptance model. *Educational Technology & Society*, 21(3), 48–59.
- Khan, S., & Alamri, S. (2018). Technology integration in education. *Imam Journal of Applied Sciences*, 2(1), 1-7.
- Koehler, M. J., & Mishra, P. (2008). Introducing TPACK. In AACTE Committee on Innovation and Technology (Ed.), *Handbook of Technological Pedagogical Content Knowledge (TPCK) for educators* (pp. 3-29). New York and London, Routledge for the American Association of Colleges for Teacher Education.
- 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>
- Koh, J. H. L. (2020). Three approaches for supporting faculty technological pedagogical content knowledge (TPACK) creation through instructional consultation. *British Journal of Educational Technology*, 51(6), 2529–2543. <https://doi.org/10.1111/bjet.12930>
- Kurniawan, A. (2021). Analisis tingkat kesiapan guru dalam mengimplementasikan teknologi pembelajaran berbasis internet di Sekolah Menengah Kejuruan. *Journal on Education*, 03(04), 684-692. <http://jonedu.org/index.php/joe>
- Lee, S., Kuo, L., Xu, Z., & Hu, X. (2020). The effects of technology-integrated classroom instruction on K-12 English language learners' literacy development: A meta-analysis. *Computer Assisted Language Learning*, 35(5-6), 1106-1137. <https://doi.org/10.1080/09588221.2020.1774612>
- Magnusson, S., Krajcik, J., & Borko, H. (2006). Nature, sources, and development of pedagogical content knowledge for science teaching. In J. Gess-Newsome & N. G. Lederman. (Eds.), *Examining Pedagogical Content Knowledge* (pp.95–132). https://doi.org/10.1007/0-306-47217-1_4
- Marcelo, C., & Yot-Domínguez, C. (2019). From chalk to keyboard in higher education classrooms: changes and coherence when integrating technological knowledge into pedagogical content knowledge. *Journal of Further and Higher Education*, 43(7), 975–988. <https://doi.org/10.1080/0309877X.2018.1429584>
- Merta, L. W. S., Ratminingsih, N. M., & Budasi, I. G. (2023). The integration of technology in English language teaching to stimulate students' critical thinking. *Language Circle: Journal of Language and Literature* 17(2), 333-341. <https://doi.org/10.15294/lc.v17i2.39097>
- Mishra, P., & Koehler, M. J. (2006). Technological Pedagogical Content Knowledge: A framework for teacher knowledge. *Teachers College*

- Record: The Voice of Scholarship in Education*, 108(6), 1017-1054.
<https://doi.org/10.1111/j.1467-9620.2006.00684.x>
- Misieng, J., Ramanair, J., & Rethinsamy, S. (2018). Measuring teachers' readiness to use technology: Technoloycal Pedagogical and Content Knowledge (TPACK) pilot study. *Journal of IT in Asia*, 8(1), 7-13.
<https://doi.org/10.33736/jita.852.2018>
- Nurhidayat, E., Mujiyanto, J., Yuliasri, I., & Hartono, R. (2024). Technology integration and teachers' competency in the development of 21st-century learning in EFL classroom. *Journal of Education and Learning (EduLearn)*, 18(2), 342-349.
<https://doi.org/10.11591/edulearn.v18i2.21069>
- Pamuk, S., Ergun, M., Cakir, R., Yilmaz, H. B., & Ayas, C. (2015). Exploring relationships among TPACK components and development of the TPACK instrument. *Education and Information Technologies*, 20, 241-263.
<https://doi.org/10.1007/s10639-013-9278-4>
- Paramita, P.D.Y. (2023). Penggunaan teknologi dalam pembelajaran bahasa inggris: Studi kasus implementasi aplikasi E-learning. *EDUKASIA: Jurnal Pendidikan dan Pembelajaran*, 4(2), 1799-1804.
<https://doi.org/10.62775/edukasia.v4i2.508>
- Park, S., & Oliver, J. S. (2008). Revisiting the conceptualisation of pedagogical content knowledge (PCK): PCK as a conceptual tool to understand teachers as professionals. *Research in Science Education*, 38, 261-284.
<https://doi.org/10.1007/s11165-007-9049-6>
- Petko, D., Prasse, D., & Cantieni, A. (2018). The interplay of school readiness and teacher readiness for educational technology integration: A structural equation model. *Computers in the Schools*, 0(0), 1-18.
<https://doi.org/10.1080/07380569.2018.1428007>
- Rintaningrum, R. (2023). Technology integration in english language teaching and learning: Benefits and challenges. *Cogent Education*, 10(1), 1-21.
<https://doi.org/10.1080/2331186X.2022.2164690>
- Rosenthal, R., & Rosnow, R. L. (1991). *Essentials of behavioral research: Methods and data analysis* (3rd ed.). Beth Mejia.
- Sadan, V. (2017). Data Collection Methods in Quantitative Research. *Indian Journal of Continuing Nursing Education*, 18(2), 58-63.
- Salsabila, U. H. & Agustian, N. (2021). Peran teknologi pendidikan dalam pembelajaran. *Islamika*, 3(1), 123-133.
<https://doi.org/10.36088/islamika.v3i1.1047>
- Scherer, R., Tondeur, J., Siddiq, F., & Baran, E. (2017). The importance of attitudes toward technology for pre-Service teachers' technological, pedagogical, and content knowledge: Comparing structural equation modelling approaches. *Computers in Human Behavior*, 80, 67-80.
<https://doi.org/10.1016/j.chb.2017.11.003>
- Schmid, M., Brianza, E., & Petko, D. (2020). Developing a short assessment instrument for Technological Pedagogical Content Knowledge (TPACK.xs) and comparing the factor structure of an integrative and a transformative model. *Computers and Education*, 157, 1-12.
<https://doi.org/10.1016/j.compedu.2020.103967>

- 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. <https://doi.org/10.1080/15391523.2009.10782544>
- Shi, L., & Jiang, L. (2022). How EFL teachers perceive and self-evaluate the knowledge components in forming Technological Pedagogical Content Knowledge (TPACK). *English Language Teaching Educational Journal*, 5(1), 1-15. <https://doi.org/10.12928/eltej.v5i1.5914>
- Sugiyono. (2022). *Metode Penelitian: Kuantitatif, kualitatif, dan r&d*. ALFABETA BANDUNG.
- Taber, K. S. (2018). The use of cronbach's alpha when developing and reporting research instruments in science education. *Research in Science Education* 48 (1), 1-24.
- Thompson, A. D., & Mishra, P. (2007-2008). Breaking news: TPCK becomes TPACK! *Journal of Computing in Teacher Education*, 24(2), 38-64.
- Tondeur, J., Roblin, N. P., Braak, J. V., Voogt, J., & Prestridge, S. (2016). Preparing beginning teachers for technology integration in education: Ready for take-off? *Technology, Pedagogy and Education*, 26(2), 157-177. <https://doi.org/10.1080/1475939X.2016.1193556>
- Valtonen, T., Sointu, E. T., Mäkitalo-Siegl, K., & Kukkonen, J. (2015). Developing a TPACK measurement instrument for 21st century preservice teachers. *Seminar.Net*, 11(2). <https://doi.org/10.7577/seminar.2353>
- Wang, A. Y. (2022). Understanding levels of technology integration: A TPACK scale for EFL teachers to promote 21st-century learning. *Education and Information Technologies*, 27, 9935-9952. <https://doi.org/10.1007/s10639-022-11033-4>
- Wen, H., & Shinas, V. H. (2020). Using a multidimensional approach to examine TPACK among teacher candidates. *Journal of Digital Learning in Teacher Education*, 37(1), 30-47. <https://doi.org/10.1080/21532974.2020.1804493>
- Zulhazlinda, W., Noviani, L., & Sangka, K. B. (2023). Pengaruh TPACK terhadap kesiapan menjadi guru profesional pada mahasiswa pendidikan ekonomi di Jawa Tengah. *Jurnal Pendidikan Ekonomi (JUPE)*, 11(1), 26-38. <https://doi.org/10.26740/jupe.v11n1.p26-38>