

REFERENCES

- Abdullah, F. (2023). *Dokumen kelengkapan mata kuliah berbasis learning outcome (LO): Grammar in Multimodal Discourse*. Unpublished manuscript, English Education Department, Siliwangi University, Tasikmalaya, Indonesia
- Aksela, M., & Haatainen, O. (2018). Project-Based Learning (PBL) in Practise: Active Teachers' Views of Its' Advantages And Challenges. *Ntegrated Education for the RealWorld: 5th International STEM in Education Conference Post-Conference Proceedings*, 9–16. <http://hdl.handle.net/10138/304045>
- Aldabbus, S. (2018). Project-based learning: Implementation & Challenges. *International Journal of Education, Learning and Development*, 6(3), 71–79.
- Allison, M. J. (2018). *Project based learning to promote 21st century skills: An action research study* [College of William and Mary]. <https://doi.org/10.25774/w4-m5xm-wc95>
- Almulla, M. A. (2020). The effectiveness of the project-based learning (PBL) approach as a way to engage students in learning. *SAGE Open*, 10(3). <https://doi.org/10.1177/2158244020938702>
- Altun, Y. S., Turgut, U., & Büyükkasap, E. (2009). The effect of project based learning on science undergraduates' learning of electricity, attitude towards physics and scientific process skills. *International Online Journal of Educational Sciences*, 1(1), 81–105.
- Apriliani, A. I., & Listyani, L. (2021). Students' perceptions on English fun fair as an implementation of project-based learning in speaking for social purposes classes. *Celt: A Journal of Culture, English Language Teaching & Literature*, 20(1), 73. <https://doi.org/10.24167/celt.v20i1.2677>
- Astawa, N. L. P. N. S. P., Artini, L. P., & Nitiasih, P. K. (2017). Project-based learning activities and EFL students' productive skills in English. *Journal of Language Teaching and Research*, 8(6), 1147–1155. <https://doi.org/10.17507/jltr.0806.16>
- Atikah, D., Syukri, S., Marhalisa, M., Halim, A., & Abidin, A. (2022). Perceptions of the use of project based-learning in the EFL context. *KnE Social Sciences*, 2022, 180–189. <https://doi.org/10.18502/kss.v7i8.10736>
- Barak, M., & Yuan, S. (2021). A cultural perspective to project-based learning and the cultivation of innovative thinking. *Thinking Skills and Creativity*, 39(100766), 1–10. <https://doi.org/10.1016/j.tsc.2020.100766>
- Başöz, T. (2014). Through the eyes of prospective teachers of English: Explicit or implicit grammar instruction? *Procedia - Social and Behavioral Sciences*, 158, 377–382. <https://doi.org/10.1016/j.sbspro.2014.12.103>

- Beckett, G. H., Iida, P. C., & Miller, P. C. (Eds.). (2006). *Project-based second and foreign language education: Past, present, and future*. Information Age Publishing, Incorporated.
- Bell, S. (2010). Project-based learning for the 21st century: Skills for the future. *The Clearing House: A Journal of Educational Strategies, Issues and Ideas*, 83(2), 39–43. <https://doi.org/10.1080/00098650903505415>
- Bellanca, J., & Brandt, R. (2010). *21st century Skills: Rethinking how students learn*. Solution Tree Press.
- Bestelmeyer, S. V, Elser, M. M., Spellman, K. V, Sparrow, E. B., Haan-Amato, S. S., & Keener, A. (2015). Collaboration, interdisciplinary thinking, and communication: new approaches to K–12 ecology education. *Frontiers in Ecology and the Environment*, 13(1), 37–43. <https://doi.org/10.1890/140130>
- Blumenfeld, P. C., Soloway, E., Marx, R. W., Krajcik, J. S., Guzdial, M., & Palincsar, A. (1991). Motivating project-based learning: Sustaining the doing, supporting the learning. *Educational Psychologist*, 26(3–4), 369–398. <https://doi.org/10.1080/00461520.1991.9653139>
- Bouqetyb, T. (2021). Project work in Moroccan EFL classroom: Between the official guidelines' recommendation and the challenges of implementation. *Arab World English Journal*, 12(4), 462–475. <https://doi.org/10.24093/awej/vol12no4.30>
- Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative Research in Psychology*, 3(2), 77–101. <https://doi.org/10.1191/1478088706qp063oa>
- Brown, H. D. (2000). *Principles of language learning and teaching* (fourth). Pearson Longman.
- Chen, C.-H., & Yang, Y.-C. (2019). Revisiting the effects of project-based learning on students' academic achievement: A meta-analysis investigating moderators. *Educational Research Review*, 26, 71–81. <https://doi.org/10.1016/j.edurev.2018.11.001>
- Chin, C., & Osborne, J. (2008). Students' questions: a potential resource for teaching and learning science. *Studies in Science Education*, 44(1), 1–39. <https://doi.org/10.1080/03057260701828101>
- Chu, S. K. W., Zhang, Y., Chen, K., Chan, C. K., Lee, C. W. Y., Zou, E., & Lau, W. (2017). The effectiveness of wikis for project-based learning in different disciplines in higher education. *Internet and Higher Education*, 33, 49–60. <https://doi.org/10.1016/j.iheduc.2017.01.005>
- Condliffe, B., Quint, J., Visher, M. G., Bangser, M. R., Drohojowska, S., Saco, L., & Nelson, E. (2017). Project-based learning: A literature review. In *MDRC: Building Knowledge to Improve Social Policy*. <https://www.mdrc.org/publication/project-based-learning>

- Deepa, P. (2020). *a Study on Leadership Skills and Its*. 8(4), 1633–1638.
- Devkota, S. P., Giri, D. R., & Bagale, S. (2019). Developing 21st century skills through project-based learning in EFL context: Challenges and opportunities. *The Online Journal of New Horizon in Education*, 17(4), 47–52. www.tojned.net
- Essien, A. M. (2018). The effects of project-based learning on students English language ability. *The 2018 International Academic Research Conference in Vienna*, 438–443.
- Firdaus, F., & Septiady, A. (2023). The effect of project-based learning on the students ' speaking ability. *Journal on Education*, 05(03), 10105–10112.
- Fiske, P. (2009). Career resilience. *Nature*, 462(7269), 1–6. <https://doi.org/10.1038/nj7269-122a>
- Fithriani, Z. N., Sumarwiyah, & Roysa, M. (2022). Model project based learning (PjBL) dalam pembelajaran daring di sekolah dasar. *WASIS: Jurnal Ilmiah Pendidikan*, 3(2), 77–82. <https://doi.org/10.24176/wasis.v3i2.7450>
- Friesem, Y. (2019). Teaching truth, lies, and accuracy in the digital age: Media literacy as project-based learning. *Journalism and Mass Communication Educator*, 74(2), 1–14. <https://doi.org/10.1177/1077695819829962>
- Gilbert, G., Turner, M., & Haass, O. (2022). Working up to work: Perceived employability of students commencing a project management degree. *Project Leadership and Society*, 3, 1–9. <https://doi.org/10.1016/j.plas.2022.100048>
- Grant, M. M., & Branch, R. M. (2005). Project-based learning in a middle school: Tracing abilities through the artifacts of learning. *Journal of Research on Technology in Education*, 38(1), 65–98. <https://doi.org/10.1080/15391523.2005.10782450>
- Grossman, P., Dean, C. G. P., Kavanagh, S. S., & Herrmann, Z. (2019). Preparing teachers for project-based teaching. *Phi Delta Kappan*, 100(7), 43–48. <https://doi.org/10.1177/0031721719841338>
- Han, S., Yalvac, B., Capraro, M. M., & Capraro, R. M. (2015). In-service teachers' implementation and understanding of STEM project based learning. *Eurasia Journal of Mathematics, Science and Technology Education*, 11(1), 63–76. <https://doi.org/10.12973/eurasia.2015.1306a>
- Haniah, A. U., Ngadiso, N., & Setyaningsih, E. (2021). Students' perception on the implementation of online project-based learning in teaching 4Cs. *IJELTAL (Indonesian Journal of English Language Teaching and Applied Linguistics)*, 6(1), 123. <https://doi.org/10.21093/ijeltal.v6i1.895>
- Hasni, A., Bousadra, F., Belletête, V., Benabdallah, A., Nicole, M.-C., & Dumais, N. (2016). Trends in research on project-based science and technology teaching and learning at K–12 levels: a systematic review. *Studies in Science*

- Education*, 52(2), 199–231. <https://doi.org/10.1080/03057267.2016.1226573>
- Ibrahim, A. M. (2012). Thematic analysis : A critical review of its process and evaluation. *West East Journal of Social Sciences*, 1(1), 39–47.
- Jacques, S., Bissey, S., & Martin, A. (2016). Multidisciplinary project-based learning within a collaborative framework. *International Journal of Emerging Technologies in Learning*, 11(12), 36–44. <https://doi.org/10.3991/ijet.v11i12.5996>
- Johnson, D. W., & Johnson, R. T. (1989). *Cooperation and competition: Theory and research*. Interaction Book Company.
- Jones, R. (2018). The student experience of undergraduate students: towards a conceptual framework. *Journal of Further and Higher Education*, 42(8), 1040–1054. <https://doi.org/10.1080/0309877X.2017.1349882>
- Kavlu, A. (2015). The effect of project-based learning on undergraduate EFL students' reading comprehension ability. *Journal of Education in Black Sea Region*, 1(1). <https://doi.org/10.31578/jrebs.v1i1.8>
- Kavlu, A. (2017). Implementation of project based learning (PBL) in EFL (English as a Foreign Language) classrooms in Fezalar Educational Institutions (Iraq). *International Journal of Social Sciences & Educational Studies*, 4(2), 67–79. <https://doi.org/10.23918/ijsses.v4i2sip67>
- Kearney, K. S., Damron, R., & Sohoni, S. (2015). Observing engineering student teams from the organization behavior perspective using linguistic analysis of student reflections and focus group interviews. *Advances in Engineering Education*, 4(3), 1–29.
- King, B., & Smith, C. (2020). Using project-based learning to develop teachers for leadership. *The Clearing House: A Journal of Educational Strategies, Issues and Ideas*, 93(3), 1–7. <https://doi.org/10.1080/00098655.2020.1735289>
- Kivunja, C. (2015). Teaching students to learn and to work well with 21st century skills: Unpacking the career and life skills domain of the new learning paradigm. *International Journal of Higher Education*, 4(1), 1–11. <https://doi.org/10.5430/ijhe.v4n1p1>
- Kokotsaki, D., Menzies, V., & Wiggins, A. (2016). Project-based learning: A review of the literature. *Improving Schools*, 19(3), 267–277. <https://doi.org/10.1177/1365480216659733>
- Krajcik, J. (2015). Project-based science. *The Science Teacher*, 82(1). https://doi.org/10.2505/4/tst15_082_01_25
- Krajcik, J., Blumenfeld, P. C., Marx, R. W., Bass, K. M., Fredricks, J., & Soloway, E. (1998). Inquiry in project-based science classrooms: Initial attempts by middle school students. *The Journal of the Learning Sciences*, 7(3–4), 313–350. <https://doi.org/10.1080/10508406.1998.9672057>

- Krajcik, J. S., & Blumenfeld, P. C. (2006). Project-based learning. In *The Cambridge handbook of the learning sciences* (pp. 317–334). Cambridge University Press. <https://doi.org/10.1017/CBO9780511816833.020>
- Krajcik, J. S., & Shin, N. (2014). Project-based learning. In R. K. Sawyer (Ed.), *The Cambridge Handbook of the Learning Sciences* (second, pp. 275–297). Cambridge University Press: <https://doi.org/10.1017/CBO9781139519526.018>
- Kubiátko, M., & Vaculová, I. (2011). Project-based learning : characteristic and the experiences with application in the science subjects. *Energy Education Science and Technology Part B: Social and Educational Studies*, 3(1), 65–74.
- Kulikovskikh, I. M., Prokhorov, S. A., & Suchkova, S. A. (2017). Computers in Human Behavior Promoting collaborative learning through regulation of guessing in clickers. *Computers in Human Behavior*, 75, 81–91. <https://doi.org/10.1016/j.chb.2017.05.001>
- Law, P. Y. (2021). *The 7Cs of 21st-century teaching and learning*. Europass Teacher Academy. <https://www.teacheracademy.eu/blog/the-7cs/>
- Longhurst, R. (2003). Semi-structured interviews and focus groups. *Key Methods in Geography*, 3(2), 143–156.
- Malanga, D. F., Jorosi, B. N., & Chigona, W. (2022). Digital information literacy among the faculty of applied science students at a private university in Malawi. In *Technological Advancements in Library Service Innovation* (pp. 130–152). <https://doi.org/10.4018/978-1-7998-8942-7.ch008>
- Manen, M. van. (2007). Phenomenology of practice. *Phenomenology & Practice*, 1(1), 11–30. <https://doi.org/10.29173/pandpr19803>
- Matus, N., Rusu, C., & Cano, S. (2021). Student eXperience: A systematic literature review. *Applied Sciences (Switzerland)*, 11(20). <https://doi.org/10.3390/app11209543>
- Mentzer, G. A., Czerniak, C. M., & Brooks, L. (2017). An examination of teacher understanding of project based science as a result of participating in an extended professional development program: Implications for implementation. *School Science and Mathematics*, 117(1–2), 76–86. <https://doi.org/10.1111/ssm.12208>
- Merriam, S. B. (1998). *Qualitative research and case study applications in education* (2nd ed.). Jossey-Bass Publishers.
- Meyer, K., & Wurdinger, S. (2016). Students' perceptions of life skill development in project-based learning schools. *Journal of Educational Issues*, 2(1), 91. <https://doi.org/10.5296/jei.v2i1.8933>
- Miller, E. C., & Krajcik, J. S. (2019). Promoting deep learning through project-based learning: a design problem. *Disciplinary and Interdisciplinary Science*

- Education Research*, 1(1), 1–10. <https://doi.org/10.1186/s43031-019-0009-6>
- Moore, C. (2019). *What is self-reliance and how to develop it?* Positive Psychology. <https://doi.org/https://positivepsychology.com/self-reliance/>
- Ngadiso, N., Sarosa, T., Asrori, M., Drajati, N. A., & Handayani, A. (2021). Project-based Learning (PBL) in EFL learning: Lesson from Indonesia. *AL-ISHLAH: Jurnal Pendidikan*, 13(2), 1114–1122. <https://doi.org/10.35445/alishlah.v13i2.558>
- Novak, A. M., & Krajcik, J. S. (2020). A case study of project-based learning of middle school students exploring water quality. In *The wiley handbook of problem-based learning* (pp. 551–572). John Wiley & Sons, Inc. <https://doi.org/10.1002/9781119173243.ch24>
- Nurdinbekovich, K. N. (2024). Strategies to improve students' digital literacy in higher education. *Educational Research in Universal Sciences*, 3(6), 243–248. <https://doi.org/doi.org/10.5281/zenodo.11387935>
- Nurohman, S. (2015). Pendekatan project based learning sebagai upaya internalisasi scientific method bagi mahasiswa calon guru fisika. *Prosiding Seminar Nasional Pendidikan IPA FMIPA UNY*, 1–20.
- Nylén, A., & Isomöttönen, V. (2017). Exploring the critical incident technique to encourage reflection during project-based learning. *Koli Calling '17: Proceedings of the 17th Koli Calling International Conference on Computing Education Research*, 88–97. <https://doi.org/10.1145/3141880.3141899>
- O'Brien, P. (2006). Historiographical traditions and modern imperatives for the restoration of global history. *Journal of Global History*, 1(1), 3–39. <https://doi.org/10.1017/S1740022806000027>
- Padwick, A. (2010). *Attitudes towards English and varieties of English in globalising India* (Issue October). University of Groningen.
- Pan, G., Seow, P. S., Shankararaman, V., & Koh, K. (2020). An exploration into key roles in making project-based learning happen: Insights from a case study of a university. *Journal of International Education in Business*, 14(1), 109–129. <https://doi.org/10.1108/JIEB-02-2020-0018>
- Parker, W. C., Lo, J., Yeo, A. J., Valencia, S. W., Nguyen, D., Abbott, R. D., Nolen, S. B., Bransford, J. D., & Vye, N. J. (2013). Beyond breadth-speed-test: Toward deeper knowing and engagement in an advanced placement course. *American Educational Research Journal*, 50(6), 1424–1459. <https://doi.org/10.3102/0002831213504237>
- Pertiwi, I., & Rodliyah, R. S. (2022). Original research article digital literacy in EFL learning: University students' perspectives. *JEES (Journal of English Educators Society)*, 7(2), 197–204. <https://doi.org/10.21070/jees.v7i2.1670>
- Poonpon, K. (2017). Enhancing English skills through project-based learning. *An*

Online Journal by The Malaysian English Language Teaching Association, XL, 1–10. <https://meltajournals.com/index.php/TET>

- Puangpungsi, N. (2021). Learners' perception towards project-based Learning in encouraging English skills performance and 21 st century skills. *Thaitesol Journal*, 34(1), 1–24.
- Rahman, T., Fitria, N., Nurhidayah, E., & Yuliandani, I. (2023). Effects of project-based learning on employability skills. *Review of Islamic Studies*, 2(1), 1–10. <https://doi.org/10.35316/ris.v2i1.473>
- Richards, J. C. (2015). The changing face of language learning: Learning beyond the classroom. *RELC Journal*, 46(1), 1–18. <https://doi.org/10.1177/0033688214561621>
- Riswandi, D. (2018). The implementation of project based learning to improve student's speaking skill. *International Journal of Language Teaching and Education*, 2(3), 32–40. <https://doi.org/10.22460/project.v2i3.p270-274>
- Rohmah, K., Isnaini, M. H., & Degeng, P. D. D. (2023). EFL students' perception of the use of group work. *Lingua Susastra*, 4(1), 1–14. <https://doi.org/10.24036/ls.v4i1.107>
- Roth, W. M., & Jorner, A. (2014). Toward a theory of experience. *Science Education*, 98(1), 106–126. <https://doi.org/10.1002/sce.21085>
- Saliba, R., Mussleman, P., Fernandes, M., & Bendriss, R. (2017). Promoting information literacy of pre-medical students through project-based learning: A pilot study. *International Journal of Education and Literacy Studies*, 5(4), 1–15. <https://doi.org/10.7575/aiac.ijels.v.5n.4p.1>
- Samur, A. (2022). *Collaborative leadership: An inclusive way to manage virtual teams*. Slack. <https://slack.com/blog/collaboration/collaborative-leadership-top-down-team-centric>
- Scheibenzuber, C., Hofer, S., & Nistor, N. (2021). Designing for fake news literacy training: A problem-based undergraduate online-course. *Computers in Human Behavior*, 121(106796), 1–13. <https://doi.org/10.1016/j.chb.2021.106796>
- Sirisrimangkorn, L. (2021). Improving EFL undergraduate learners' speaking skills through project-based learning using presentation. *Advances in Language and Literary Studies*, 12(3), 65–72. <https://doi.org/10.7575/aiac.all.v.12n.3.p.65>
- Stephen, M. F., Graesser, A., Greiff, S., Griffin, P., Gong, B., Kyllonen, P., Massey, C., O'Neil, H., Pellegrino, J., Rothman, R., & Davier, H. S. A. von. (2017). Collaborative problem solving: Considerations for the national assessment of educational progress. *Instructional-Design Theories and Models: A New Paradigm of Instructional Theory*, 2, 241–267.
- Sultana, M., & Musavi, T. M. (2022). Enhancing students ' academic listening using project based learning method. *Periodicals of Social Sciences*, 2(2),

235–248.

- Susanti, A., Retnaningdyah, P., & Trisusana, A. (2020). Students' perception toward the implementation of project based learning for EFL vocational high school. *Advances in Social Science, Education and Humanities Research*, 390(Icracos 2019), 115–119. <https://doi.org/10.2991/icracos-19.2020.24>
- Teng, M. F. (2016). Incidental vocabulary acquisition from reading and listening: The effects of word exposure frequency. In Bi. Jay & E. Doman (Eds.), *Departing from tradition: Innovations in English language teaching and learning* (pp. 182–207). Cambridge: Cambridge Scholars Publishing.
- Tham, D. M., & Tu, T. P. N. (2023). EFL teachers' and students' perspectives on learner identity through project-based language learning in the 21st century. *VNU Journal of Social Sciences and Humanities*, 9(2), 183–193. <https://doi.org/10.1172/vjossh.v9i2.5016>
- Torres, A. M., & Rodríguez, L. F. G. (2017). Increasing EFL learners' oral production at a public school through project-based learning. *Profile Issues in Teachers Professional Development*, 19(2), 57–71. <https://doi.org/10.15446/profile.v19n2.59889>
- Trilling, B., & Fadel, C. (2009). *21st century skills: Learning for life in our times*. John Wiley & Sons.
- Viro, E., Lehtonen, D., Joutsenlahti, J., & Tahvanainen, V. (2020). Teachers' perspectives on project-based learning in mathematics and science. *European Journal of Science and Mathematics Education*, 8(1), 12–31. <https://doi.org/10.30935/scimath/9544>
- Wahbeh, D. G., Najjar, E. A., Sartawi, A. F., Abuzant, M., & Daher, W. (2021). The role of project-based language learning in developing students' life skills. *Sustainability (Switzerland)*, 13(12), 1–14. <https://doi.org/10.3390/su13126518>
- Wahyudin, A. Y. (2017). The effect of project-based learning on L2 spoken performance of undergraduate students in English for business class. *Ninth International Conference on Applied Linguistics (CONAPLIN 9)*, 82, 1–6. <https://doi.org/10.2991/conaplin-16.2017.9>
- Wang, B.-T. (2016). Applying PBL and zuvio to enhance English learning motivation. *International Journal of Cyber Society and Education*, 9(1), 1–16. <https://doi.org/10.7903/ijcse.1433>
- Yang, J., & Zhang, Y. (2014). Representation meaning of multimodal discourse - A case study of English editorials in the economist. *Theory and Practice in Language Studies*, 4(12), 2564–2575. <https://doi.org/10.4304/tpls.4.12.2564-2575>
- Yaprak, Z. (2022). The effects of project-based learning (PBL) in EFL context: General language development and personal empowerment. *Journal of*

Computer and Education Research, 10(20), 415–433.
<https://doi.org/10.18009/jcer.1104483>

Yin, R. K. (2018). *Case study research and applications: Design and methods* (6th ed.). Sage Publications.

Yudiono, H., Pramono, P., & Basyirun, B. (2019). The hypothetic model of integrated production-based learning with the 21st century learning skills in mechanical engineering. *Jurnal Pendidikan Teknologi Dan Kejuruan*, 25(1), 97–102. <https://doi.org/10.21831/jptk.v25i1.23328>

Zaafour, A., & Salaberri-ramiro, M. S. (2022). Incorporating cooperative project-based learning in the teaching of English as a foreign language: Teachers' perspectives. *Education Sciences*, 12(6).
<https://doi.org/10.3390/educsci12060388>