REFERENCES

- Abdulbaki, S., Khasawneh, M. A. S., & Tashtoush, M. A. (2025). The effectiveness of gamified learning environments in promoting grammar mastery in Jordanian secondary school EFL learners. *International Journal of Innovative Research and Scientific Studies*, 8(2), 3375–3386. https://doi.org/10.53894/ijirss.v8i2.6013
- Adipat, S., Laksana, K., Busayanon, K., Ausawasowan, A., & Adipat, B. (2021). Engaging Students in the Learning Process with Game-Based Learning: The Fundamental Concepts. *International Journal of Technology in Education*, 4(3), 542–552. https://doi.org/10.46328/ijte.169
- Al-Khresheh, M. H. (2025). The Cognitive and Motivational Benefits of Gamification in English Language Learning: A Systematic Review. *The Open Psychology Journal*, 18(1). https://doi.org/10.2174/0118743501359379250305083002
- Almogren, A. S., Al-Rahmi, W. M., & Dahri, N. A. (2024). Exploring factors influencing the acceptance of ChatGPT in higher education: A smart education perspective. *Heliyon*, 10(11). https://doi.org/10.1016/j.heliyon.2024.e31887
- Alsubhi, M. A., & Sahari, N. (2020). A Conceptual Engagement Framework for Gamified E-Learning Platform Activities. *International Journal of Emerging Technologies* in Learning, 15(22), 4–23. https://doi.org/10.3991/ijet.v15i22.15443
- Alya, P. M., & Br.Kembaren, F. R. W. (2025). Indonesian Teachers' Perception on Duolingo for English Learning: Opportunities and Challenges. *IDEAS Journal of Language Teaching and Learning, Linguistics and Literature*, 13(1), 251–261. https://doi.org/10.24256/ideas
- Ary, D., Jacobs, L. C., Sorensen, C., & Razavieh, A. (2019). *Introduction to Research in Education* (10th ed.). Wadsworth Cengage Learning.

- Asif, M., & Kazi, S. (2024). Examining the Influence of Short Videos on Attention Span and its Relationship with Academic Performance. *International Journal of Science and Research (IJSR)*, 13(4), 1877–1883. https://doi.org/10.21275/sr24428105200
- Asifayanti, Weda, S., & Abduh, A. (2021). Exploring Teachers' Perception on Gamification in Online Grammar Teaching.
- Baker, M. A. (2024). *Perception and Perspective*. Tredition. https://www.researchgate.net/publication/378183604
- Benzizoune, O. (2024). Enhancing Classroom Management and Student Engagement: The Role of ClassDojo and Gamification in Education. *Journal of English Language Teaching and Applied Linguistics*, 6(3). https://doi.org/10.32996/jeltal
- Borup, J., Graham, C. R., West, R. E., Archambault, L., & Spring, K. J. (2020). Academic Communities of Engagement: an expansive lens for examining support structures in blended and online learning. *Educational Technology Research and Development*, 68(2), 807–832. https://doi.org/10.1007/s11423-020-09744-x
- Braun, V., & Clarke, V. (2006). Using thematic analysis in psychology. *Qualitative Research in Psychology*, 3(2).
- Buchholz, J., Cignetti, M., & Piacentini, M. (2022). *Developing measures of engagement in PISA* (OECD Education Working Papers, Vol. 279). https://doi.org/10.1787/2d9a73ca-en
- Chiu, T. K. F. (2021). Digital support for student engagement in blended learning based on self-determination theory. *Computers in Human Behavior*, 124. https://doi.org/10.1016/j.chb.2021.106909
- Çınar, A., & Erişen, Y. (2022). A Mixed-Method Research on the Effectiveness of Using Gamification Elements in an Online English Course. *International*

- Journal of Educational Research Review, 7(4), 280–291. http://dx.doi.org/%20%2010.24331/ijere.1140960
- Coelho, F., Rando, B., Aparício, D., Pontífice-Sousa, P., Gonçalves, D., & Abreu, A. M. (2025). The impact of educational gamification on cognition, emotions, and motivation: a randomized controlled trial. *Journal of Computers in Education*. https://doi.org/10.1007/s40692-025-00366-x
- Creswell, J. W., & Plano Clark, V. L. (2018). *Designing and Conducting Mixed Methods Research* (3rd ed.). SAGE Publication.
- Davis, F. D. (1989). Perceived Usefulness, Perceived Ease of Use, and User Acceptance of Information Technology. MIS Quarterly, 13(3), 319–340.
- Deep, P. D., Ghosh, N., Gaither, C., & Koptelov, A. V. (2024). Gamification Techniques and the Impact on Motivation, Engagement, and Learning Outcomes in ESL Students. *RAIS Journal for Social Sciences*, 8(2), 32–42. https://doi.org/10.5281/zenodo.14165362
- Demirbilek, M., Talan, T., & Alzouebi, K. (2022). An Examination of the Factors and Challenges to Adopting Gamification in English Foreign Language Teaching. *International Journal of Technology in Education*, 5(4), 654–668. https://doi.org/10.46328/ijte.358
- Duterte, J. P. (2024). The Impact of Educational Gamification on Student Learning Outcomes. *International Journal of Research and Innovation in Social Science*, 8(10), 477–487. https://doi.org/10.47772/IJRISS
- Erizar, & Fadlil, R. (2025). Gamification in EFL Classrooms: Enhancing Motivation and Engagement Through Play-Based Learning. *Dirundeng International Journal of English and Education (DIJEE)*, 1(1), 2025.
- Eze, N. U., Obichukwu, P. U., & Kesharwani, S. (2021). Perceived Usefulness, Perceived Ease of Use in ICT Support and Use for Teachers. *IETE Journal of Education*, 62(1), 12–20. https://doi.org/10.1080/09747338.2021.1908177

- Far, F. F., & Taghizadeh, M. (2022). Comparing the effects of digital and non-digital gamification on EFL learners' collocation knowledge, perceptions, and sense of flow. *Computer Assisted Language Learning*. https://doi.org/10.1080/09588221.2022.2146724
- Ferguson, T., Roofe, C., & Cook, L. D. (2021). Teachers' perspectives on sustainable development: the implications for education for sustainable development. *Environmental Education Research*, 27(9), 1343–1359. https://doi.org/10.1080/13504622.2021.1921113
- Fischer, H., Pippig, M., Arnold, M., Farrand, Y., Leducq, S., Köhler, T., Letonja, M., Mertens, L., Müller, J., Slingerland, R., Urgacz, P., & Verhagen, R. (2024). Ideation, business modeling and leadership by gamification using digital playful learning in next generation entrepreneurship. *INTED2024 Proceedings*, 1, 2697–2703. https://doi.org/10.21125/inted.2024.0742
- Fredricks, J. A., Blumenfeld, P. C., & Paris, A. H. (2004). School Engagement:

 Potential of the Concept, State of the Evidence. Review of Educational Research, 74(1), 59–109.
- Ginting, D. (2021). Student Engagement and Factors Affecting Active Learning in English Language Teaching. VELES Voices of English Language Education Society, 5(2), 215–228. https://doi.org/10.29408/veles.v5i2.3968
- Gkogkidis, V., & Dacre, N. (2021). Co-Creating Educational Project Management Board Games to Enhance Student Engagement. *Europea Conference on Game Based Learning, Brighton, UK.* https://doi.org/10.2139/ssrn.3812772
- Han, J. H., & Sa, H. J. (2022). Acceptance of and satisfaction with online educational classes through the technology acceptance model (TAM): the COVID-19 situation in Korea. *Asia Pacific Education Review*, 23(3), 403–415. https://doi.org/10.1007/s12564-021-09716-7

- Istijanto, & Nathalie, C. C. (2024). Factors influencing student engagement and intention to attend lectures. *Cogent Education*, 11(1). https://doi.org/10.1080/2331186X.2024.2415287
- Joo, Y. J., Park, S., & Lim, E. (2018). Factors Influencing Preservice Teachers' Intention to Use Technology. *Educational Technology & Society*, 21(3), 48–59.
- Kanellopoulou, C., & Giannakoulopoulos, A. (2020). Engage and Conquer: An Online Empirical Approach into Whether Intrinsic or Extrinsic Motivation Leads to More Enhanced Students' Engagement. *Creative Education*, 11(02), 143–165. https://doi.org/10.4236/ce.2020.112011
- Kara, A., Anagün, Ş. S., Boyacı, Ş. D., & Yaşar, S. (2022). Investigating the link between teachers' perceptions of 21st century skills efficiency and students' perceptions of learning experience: Mediating role of teacher's self-efficacy.

 Journal of Pedagogical Research, 6(4), 50–65. https://doi.org/10.33902/jpr.202215268
- Koç, G., & Sütçü, S. S. (2023). The Impact of Gamification on Secondary School Students' Grammar Proficiency. *Educational Policy Analysis and Strategic Research*, 18(1), 31–49. https://doi.org/10.29329/epasr.2023.525.2
- Kristiana, I. F., Prihatsanti, U., Simanjuntak, E., & Widayanti, C. G. (2023). Online Student Engagement: The Overview of HE in Indonesia. *International Review of Research in Open and Distributed Learning*, 24(3), 35–53.
- Laksanasut, S. (2025). Gamification in ESL/EFL Education: Transforming Language Learning and Teaching Through Play. *TESOL and Technology Studies*, 6(1), 16–29. https://doi.org/10.48185/tts.v6i1.1562
- Li, X., & Chu, S. K. W. (2021). Exploring the effects of gamification pedagogy on children's reading: A mixed-method study on academic performance, reading-related mentality and behaviors, and sustainability. *British Journal of Educational Technology*, 52(1), 160–178. https://doi.org/10.1111/bjet.13057

- Luo, N., Li, H., Zhao, L., Wu, Z., & Zhang, J. (2022). Promoting Student Engagement in Online Learning Through Harmonious Classroom Environment. *Asia-Pacific Education Researcher*, 31(5), 541–551. https://doi.org/10.1007/s40299-021-00606-5
- Luo, Z. (2024). Factors contributing to teachers' acceptance intention to gamified EFL tools: a scale development study. *Educational Technology Research and Development*, 72(2), 447–477. https://doi.org/10.1007/s11423-023-10249-6
- Luo, Z., Brown, C., & O'Steen, B. (2021). Factors contributing to teachers' acceptance intention of gamified learning tools in secondary schools: An exploratory study. *Education and Information Technologies*, 26(5), 6337–6363. https://doi.org/10.1007/s10639-021-10622-z
- Manoharan, A., & Nagulapally, S. (2024). Adaptive Gamification Algorithms for Personalized Learning Experiences in Educational Platforms. *International Research Journal of Modernization in Engineering Technology and Science*, 6(3), 219–226. https://doi.org/10.56726/irjmets49966
- Mardiah, R., & Desi, D. (2024). Enhancing Students' Engagement in Learning English Through Non-Digital Gamification. *English Journal for Teaching and Learning*, 12(01), 67–81. https://jurnal.uinsyahada.ac.id/index.php/EEJ
- Mårell-Olsson, E. (2021). Using gamification as an online teaching strategy to develop students' 21 st century skills. *Interaction Design and Architecture(s)*Journal, 69–93.
- Muna, I. N. (2022). Analisis Proses Pembelajaran Pasca Pandemi Covid-19 pada Peserta Didik Kelas X IPS di SMA Negeri 1 Tahunan Kabupaten Jepara. Seminar Nasional Ke-Indonesiaan Ke-VII, 922–929.
- Nassaji, H. (2015). Qualitative and descriptive research: Data type versus data analysis. In *Language Teaching Research* (Vol. 19, Issue 2, pp. 129–132). SAGE Publications Ltd. https://doi.org/10.1177/1362168815572747

- Nazar, N. S., & Ismail, H. H. (2025). Assessing Teachers' Readiness for Integrating Gamification in ESL Instruction Using Quizizz in Teaching Vocabulary Skills. *International Journal of Academic Research in Business and Social Sciences*, 15(2). https://doi.org/10.6007/ijarbss/v15-i2/24510
- Nurlaila, N., Wulyani, A. N., & Halisiana, H. T. (2024). Gamification in spoken language pedagogy: Indonesian EFL teachers' perspectives. *Journal on English as a Foreign Language*, 14(2), 501–522. https://doi.org/10.23971/jefl.v14i2.7506
- Nurtanto, M., Kholifah, N., Ahdhianto, E., Samsudin, A., & Isnantyo, F. D. (2021).

 A Review of Gamification Impact on Student Behavioral and Learning Outcomes. *International Journal of Interactive Mobile Technologies*, *15*(21), 22–36. https://doi.org/10.3991/ijim.v15i21.24381
- Ofril, M. G., & Ofril, A. I. (2025). Translating Knowledge into Innovative Teaching:

 A Systematic Mixed-Method Review of Gamified Flipped Classrooms.

 International Multidisciplinary Journal of Research for Innovation,

 Sustainability, and Excellence (IMJRISE), 2(1), 37–49.

 https://doi.org/10.5281/zenodo.14607140
- Olivier, E., Archambault, I., & Dupéré, V. (2020). Do needs for competence and relatedness mediate the risk of low engagement of students with behavior and social problem profiles? *Learning and Individual Differences*, 78. https://doi.org/10.1016/j.lindif.2020.101842
- Özhan, Ş. Ç., & Kocadere, S. A. (2020). The Effects of Flow, Emotional Engagement, and Motivation on Success in a Gamified Online Learning Environment. *Journal of Educational Computing Research*, 57(8), 2006–2031. https://doi.org/10.1177/0735633118823159
- Palomino, P. T., & Isotani, S. (2024). Enhancing User Experience in Learning Environments: A Narrative Gamification Framework for Education. *Journal on Interactive Systems*, 15(1), 478–489. https://doi.org/10.5753/jis.2024.4083

- Panda, R. (2024). Gamification and Educational Technology in Teacher Training: Opportunities and Challenges. *International Journal of Research Publication and Reviews*, 5(9), 701–711. https://doi.org/10.55248/gengpi.5.0924.2503
- Permana, I. G. Y., Rismadewi, N. W. M., & Putra, N. C. A. (2024). Gamification in EFL Classroom: Results of Implementation and Teachers' Point of View ARTICLE HISTORY. *Journal of Ultimate Research and Trends in Education*, 6(1), 1–11. https://doi.org/10.31849/utamax.v6i1.19297
- 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*, 35(1), 1–18. https://doi.org/10.1080/07380569.2018.1428007
- Pinter, R., Čisar, S. M., Balogh, Z., & Manojlović, H. (2020). Enhancing higher education student class attendance through gamification. *Acta Polytechnica Hungarica*, 17(2), 13–33. https://doi.org/10.12700/APH.17.2.2020.2.2
- Pradana, R. P., Pinem, A. A., & Handayani, P. W. (2024). Influence of Gamification on Student Engagement in Online Discussions Using Self-Determination Theory. *Journal of Educators Online*, 21(2).
- Putra, H. K., Ekosusilo, M., Subiyantoro, S., Ismail, I., & Fauziyah, S. (2024).

 Analysis of Teacher Perceptions of Online Gamification Learning Methods.

 Cognitive Development Journal, 2(1), 3025–8693.

 https://doi.org/10.32585/cognitive.v2i1.20
- Qi, J. (2024). Analyzing the time-series relationship between learning atmosphere, negative emotions, and academic engagement in language learners. *Innovation in Language Learning and Teaching*. https://doi.org/10.1080/17501229.2024.2444645
- Qiao, S., Yeung, S. S., Zainuddin, Z., Ng, D. T. K., & Chu, S. K. W. (2023). Examining the effects of mixed and non-digital gamification on students' learning performance, cognitive engagement and course satisfaction. *British*

- Journal of Educational Technology, 54(1), 394–413. https://doi.org/10.1111/bjet.13249
- Raju, R., Bhat, S., Bhat, S., Souza, R. D', & Singh, A. B. (2021). Effective Usage of Gamification Techniques to Boost Student Engagement. *Journal of Engineering Education Transformations*, 34, 2394–1707.
- Ramzan, M., Javaid, Z. K., & Kamran, M. (2024). Secondary public-school teachers' perceptions of gamification in ESL instruction: A qualitative study. Forman Journal of Social Sciences (FJSS), 4(2). https://doi.org/10.32368/FJSS.20240426
- Rojas-López, A., Rincón-Flores, E. G., Mena, J., García-Peñalvo, F. J., & Ramírez-Montoya, M. S. (2019). Engagement in the course of programming in higher education through the use of gamification. *Universal Access in the Information Society*, 18(3), 583–597. https://doi.org/10.1007/s10209-019-00680-z
- Sailer, M., & Homner, L. (2020). The Gamification of Learning: a Meta-analysis.

 Educational Psychology Review, 32(1), 77–112.

 https://doi.org/10.1007/s10648-019-09498-w
- Sajinčič, N., Sandak, A., & Istenič, A. (2022). Pre-Service and In-Service Teachers' Views on Gamification. *International Journal of Emerging Technologies in Learning*, 17(3), 83–103. https://doi.org/10.3991/ijet.v17i03.26761
- Samanta, Jabu, B., & Sakkir, G. (2024). STUDENTS' PERCEPTIONS TOWARD GAMIFICATION APPLIED IN ENGLISH LANGUAGE EDUCATION FBS UNM. Journal of Technology in Language Pedagogy (JTechLP), 3(3), 565–585.
- Samarasinghe, R., Hettiarachchi, T., & Adihetti, I. (2023). Examining Teacher Perspectives on the Use of Gamification Within Classrooms to Enhance Student Engagement. *International Journal of Contemporary Business Research*, 2(2), 121–133.

- Schmitz, D. (2022). Production, perception, and comprehension of subphonemic detail: Word-final /s/ in English. Berlin: Language Science Press.
- Setambah, M. A. B., Rajoo, M., Othman, M. S., Shuib, T. R., & Ibrahim, M. A. (2023). Non-digital gamification: Effects of teaching on mathematics achievement and student behavior. *Nurture*, *17*(4), 504–515. https://doi.org/10.55951/NURTURE.V17I4.388
- Simbolon, T. N. (2025). Exploring Non-Digital Gamification in English Education: Insights from a Middle School Study. *Journal of English Language and Education*, 10(1), 443–455. https://doi.org/10.31004/jele.v10i1.669
- Spathopoulou, F., & Pitychoutis, K. M. (2024). Teachers' attitudes on gamification: The Greek EFL context. *International Journal of Education and Practice*, 12(2), 163–176. https://doi.org/10.18488/61.v12i2.3630
- Sugiyono. (2015). Metode Penelitian Kuantitatif, Kualitatif dan R&D (22nd ed.).

 Alfabeta.
- Sugiyono. (2022). *Metode Penelitian Kualitatif*. Alfabeta Bandung.
- Susanti, S., Sinaga, J. B., & Ashari, E. (2025). The Implementation of Cognitive and Metacognitive in Critical Listening Skill through a Short Video. *Lectura: Jurnal Pendidikan*, 16(1), 154–164. https://doi.org/10.31849/lectura.v16i1.25295
- Tampubolon, J., Siahaan, D. G., & Bouk, E. (2025). Exploring Teachers' Perspectives on the Use of Kahoot in English Language Teaching: Enhancing Engagement and Learning Outcomes. *Journal of Classroom Action Research*, 4(1), 28–38. https://doi.org/10.52622/jcar.v4i1.387
- Tan, F. D. H., Whipp, P. R., Gagné, M., & Van Quaquebeke, N. (2019). Students' perception of teachers' two-way feedback interactions that impact learning. Social Psychology of Education, 22(1), 169–187. https://doi.org/10.1007/s11218-018-9473-7

- Thelma, C. C. (2025). The Effect of Social Well-Being on Student's Academic Achievements: A Case of Selected Higher Learning Institutions in Lusaka The Effect of Social Well-Being on Student's Academic Achievements: A Case of Selected Higher Learning Institutions in Lusaka District, Zambia. Zambia Article in International Journal of Research, 12. https://doi.org/10.5281/ZENODO.14727444
- Thiagarajah, K., Ng, M. M., Jeyaraja, S. S. B., Gunasehgaran, V., & Maniam, M. (2022). Effectiveness of Gamification Tool in Teaching Vocabulary. *International Journal of Academic Research in Business and Social Sciences*, 12(9). https://doi.org/10.6007/ijarbss/v12-i9/14604
- Thuy, N. T. T., & Hung, L. N. Q. (2021). Teachers' Perceptions of using Gamification Apps in Teaching Speaking Skill to EFL Young Learners.

 International Journal of Science and Management Studies (IJSMS), 81–97.

 https://doi.org/10.51386/25815946/ijsms-v4i5p108
- Tshering, K., Dorji, P., & Jatsho, S. (2024). Enhancing students behavioural and cognitive engagement through active learning strategies in physics.

 International Journal of Didactical Studies, 5(1). https://doi.org/10.33902/ijods.202423328
- Vrcelj, A., Hoić-Božić, N., & Dlab, M. H. (2023). Use of Gamification in Primary and Secondary Education: A Systematic Literature Review. *International Journal of Educational Methodology*, 9(1), 13–27. https://doi.org/10.12973/ijem.9.1.13
- Wang, X., Gao, Y., Sun, F., & Wang, Q. (2024). Unveiling the tapestry of teacher belief research: tracing the present and forging the future through bibliometric analysis. *Current Psychology*, 43(17), 15659–15672. https://doi.org/10.1007/s12144-023-05546-5
- Watini, S., & Setyowati, W. (2023). Using Gamification To Increase E-Learning Engagement International Transactions on Education Technology (ITEE).

 International Transactions on Education Technology (ITEE), 1(2), 2963–6078.

- Werbach, K., & Hunter, D. (2020). For the win: the power of gamification and game thinking in business, education, government, and social impact. In *Wharton School Press* (Revised and Updated). University of Pennsylvania.
- Wulan, D. R., Nainggolan, D. M., Hidayat, Y., Rohman, T., & Fiyul, A. Y. (2024).
 Exploring the Benefits and Challenges of Gamification in Enhancing Student
 Learning Outcomes. Global International Journal of Innovative Research,
 2(7), 1657–1674.
- Xu, H., & Sukavatee, P. (2025). Exploring Chinese Elementary Teachers' Perceptions and Implementations of Gamification in Online EFL Classrooms.

 English Language Teaching, 18(1), 35–47.

 https://doi.org/10.5539/elt.v18n1p35
- Yang, Q. F., Chang, S. C., Hwang, G. J., & Zou, D. (2020). Balancing cognitive complexity and gaming level: Effects of a cognitive complexity-based competition game on EFL students' English vocabulary learning performance, anxiety and behaviors. *Computers and Education*, 148. https://doi.org/10.1016/j.compedu.2020.103808
- Yıldız, İ., Topçu, E., & İzmir, E. (2023). The Effect of Gamification on Pre-Service Teachers' The Effect of Gamification on Pre-Service Teachers' Technology Acceptance Technology Acceptance. *Inquiry in Education*, 15(2).
- Yue, S. (2024). The Evolution of Pedagogical Theory: from Traditional to Modern Approaches and Their Impact on Student Engagement and Success. *Journal of Education and Educational Research*, 7(3), 2957–9465.
- Zainuddin, Z., Chu, S. K. W., Shujahat, M., & Perera, C. J. (2020). The impact of gamification on learning and instruction: A systematic review of empirical evidence. *Educational Research Review*, 30. https://doi.org/10.1016/j.edurev.2020.100326

- Zhang, Z., & Crawford, J. (2024). EFL learners' motivation in a gamified formative assessment: The case of Quizizz. *Education and Information Technologies*, 29(5), 6217–6239. https://doi.org/10.1007/s10639-023-12034-7
- Zhou, S. (2024). Gamifying language education: the impact of digital game-based learning on Chinese EFL learners. *Humanities and Social Sciences Communications*, 11(1). https://doi.org/10.1057/s41599-024-04073-3
- Zolfaghari, Z., Karimian, Z., Zarifsanaiey, N., & Farahmandi, A. Y. (2025). A scoping review of gamified applications in English language teaching: a comparative discussion with medical education. *BMC Medical Education*, 25(1). https://doi.org/10.1186/s12909-025-06822-7
- Zulfa, A. O. (2024). EFL Students' Perception Towards Kahoot! as A Gamification

 Tool in English Learning. *Educalingua*, 2(2), 106–118.

 https://doi.org/10.26877/educalingua.v2i2.1214

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