

## REFERENCES

- Afsyah, S. (2019). WhatsApp application in English Language Teaching (ELT) context: Media to describe people. *Utamax: Journal of Ultimate Research and Trends in Education*, 1(1), 23-28.
- Agustina, N., Mayuni, I., Iskandar, I., & Ratminingsih, N. M. (2022). Mobile learning application: Infusing critical thinking in the EFL classroom. *Studies in English Language and Education*, 9(2), 16.
- Ahmed, A. A. A., Hassan, I., Pallathadka, H., Keezhatta, M. S., Noorman Haryadi, R., Al Mashhadani, Z. I., ... & Rohi, A. (2022). MALL and EFL Learners' Speaking: Impacts of Duolingo and WhatsApp Applications on Speaking Accuracy and Fluency. *Education Research International*, 2022.
- Ajisoko, P. (2020). The use of Duolingo apps to improve English vocabulary learning. *International Journal of Emerging Technologies in Learning (iJET)*, 15(7), 149-155.
- Al Arif, T. Z. Z. (2020). The Influences of Audio-Visual Media and Vocabulary Mastery towards English Learning Achievement of EFL Students. *J-SHMIC: Journal of English for Academic*, 7(1), 57-65.
- Alfuhaid, S. R. (2021). The Utilisation of Duolingo to Enhance the Speaking Proficiency of EFL Secondary School Students in Saudi Arabia. *English Language Teaching*, 14(11), 9-15.
- Ali, N. (2021). The Effect of Duolingo Usage on Students' Vocabulary Mastery of Seventh-Grade Students AT MTs PAB 1 HELVETIA. *Jurnal Serunai Bahasa Inggris*, 13(1), 23-30.
- Alsubaie, A., & Madini, A. A. (2018). The effect of using blogs to enhance the writing skill of English language learners at a Saudi university. *Global Journal of Educational Studies*, 4(1), 13-30.

- Anisa, K. D., Marmanto, S., & Supriyadi, S. (2020). The effect of gamification on students' motivation in learning English. *Leksika: Jurnal Bahasa, Sastra dan Pengajarannya*, 14(1), 22-28.
- Arsyad, A. 2011. *Media Pembelajaran*. Jakarta: PT. Raja Grafindo Persada.
- Aryuntini, N., Astuti, I., & Yuliana, Y. (2018). Development of learning media based on videoscribe to improve writing skill for descriptive text of english language study. *Journal of Education, Teaching and Learning*, 3(2), 187-194.
- Aulia, H. R., Wahjuningsih, E., & Andayani, R. (2020). The Effect of Duolingo Application on Students' English Vocabulary Mastery. *ELTR Journal*, 4(2), 131-139.
- Autila, R. & Theresia, M. (2018). Improving Students' Writing Skill of Recount Text through Diary Writing and Peer Editing Technique. *Proceedings of ISELT FBS Universitas Negeri Padang*, 6, 149-157.
- Azar, A. S., & Tan, N. H. I. (2020). The application of ICT techs (mobile-assisted language learning, gamification, and virtual reality) in teaching English for secondary school students in Malaysia during covid-19 pandemic. *Universal Journal of Educational Research*, 8(11C), 55-63.
- Bai, B., & Wang, J. (2020). Conceptualizing self-regulated reading-to-write in ESL/EFL writing and investigating its relationships to motivation and writing competence. *Language Teaching Research*, 1362168820971740.
- Bai, Z. (2018). An analysis of English vocabulary learning strategies. *Journal of language Teaching and Research*, 9(4), 849-855.
- Baptist, S. C. (2018). *Effects of Quizlet on vocabulary mastery*. Theses and Dissertations. 2555.

- Budiani, I. (2020). The Effect of Duolingo on the Writing Competency of the Tenth Grade Students of SMK N 1 Sukasada in Academic Year 2017/2018. *Jurnal Pendidikan Bahasa Inggris Indonesia*, 8(1), 21-30.
- Çeker, E., & Özdaml, F. (2017). What" Gamification" Is and What It's Not. *European Journal of Contemporary Education*, 6(2), 221-228.
- Duolingo. (2016). Duolingo: Guide for Leaders in Education. Retrieved from [https://duolingodata.s3.amazonaws.com/s3/schools/active/Duolingo\\_for\\_Schools\\_Guide.pdf](https://duolingodata.s3.amazonaws.com/s3/schools/active/Duolingo_for_Schools_Guide.pdf)
- Duolingo. (2021). About us: Approach. Retrieved from <https://www.duolingo.com/approach>
- Elmahdi, O., & Hezam, A. M. (2020). Challenges for methods of teaching English vocabulary to non-native students. *Advances in Social Sciences Research Journal*, 7(5).
- Fadhly, F. Z., & Ratnaningsih, N. (2017). Cognitive Process in Argumentative Writing: A Case Study of Three Indonesian Columnists. *English Review: Journal of English Education*, 5(2), 237-254.
- Fathan, U. S. A., & Syafii, A. (2018). Kahoot as the Media Platform for Learn English. *English Education: Journal of English Teaching and Research*, 3(1), 52-57.
- Fraenkel, J. R., Wallen, N. E., & Hyun, H. H. (2012). *How to design and evaluate research in education* (Vol. 7, p. 429). New York: McGraw-hill.
- Gamlo, N. (2019). The Impact of Mobile Game-Based Language Learning Apps on EFL Learners' Motivation. *English Language Teaching*, 12(4), 49-56.
- Hadi, M. S., & Irbah A, N. (2021). Gamification's Effectiveness in Online English Teaching in the Pandemic Era. *Jurnal Studi Guru dan Pembelajaran*, 4(2), 282-286.

- Hadijah, S., Marhamah, M., & Shalawati, S. (2020). Interactive and Educative Learning Media in English Language Teaching at Senior High Schools. *AL-ISHLAH: Jurnal Pendidikan*, 12(2), 304-315.
- Hasan, H., & Subekti, N. B. (2017). The correlation between vocabulary mastery and writing skill of secondary school students. *JELLT (Journal of English Language and Language Teaching)*, 1(2), 55-60.
- Hatch, E. & Brown, C. (1995). *Vocabulary, Semantics, and Language Education*. Cambridge: Cambridge University Press.
- Heaton, J.B. (1975). *Writing English Language Tests*. London: Longman
- Hidayati, K. H. (2018). Teaching writing to EFL learners: An investigation of challenges confronted by Indonesian teachers. *Langkawi: Journal of The Association for Arabic and English*, 4(1), 21-31.
- Hidayati, T., & Diana, S. (2019). Students' motivation to learn English using mobile applications: The case of duolingo and hello English. *JEELS (Journal of English Education and Linguistics Studies)*, 6(2), 189-213.
- Hung, A. C. Y. (2017). A critique and defense of gamification. *Journal of Interactive Online Learning*, 15(1).
- Irawan, A., Wilson, A., & Sutrisno, S. (2020). The implementation of duolingo mobile application in English vocabulary learning. *Scope: Journal of English Language Teaching*, 5(1), 08-14.
- Irmawati, D. K., Asri, T. M., & Aziz, A. L. (2021). How EFL Teachers Deal with Pedagogical Competence Development for the Teaching of Writing: A Study on Higher Educational Level in Indonesian Context. *Journal of Education and e-Learning Research*, 8(1), 42-51
- Jassim, L. L., & Dzakiria, H. (2019). The Effect of Utilizing Mobile on Developing English Writing Skill. *Opción*, 34(19).



- Javed, M., Juan, W. X., & Nazli, S. (2013). A study of students' assessment in writing skills of the English language. *International Journal of Instruction*, 6(2).
- Jiang, X., Rollinson, J., Plonsky, L., Gustafson, E., & Pajak, B. (2021). Evaluating the reading and listening outcomes of beginning-level Duolingo courses. *Foreign Language Annals*, 54(4), 974-1002.
- Kabooha, R., & Elyas, T. (2018). The effects of YouTube in multimedia instruction for vocabulary learning: Perceptions of EFL students and teachers. *English Language Teaching*, 11(2), 72-81.
- Kapp, K. M. (2012). *The gamification of learning and instruction: Game-based methods and strategies for training and education*. San Francisco, CA: John Wiley & Sons.
- Koyan, I. W. (2012). *Statistik pendidikan teknik analisis data kualitatif*. Singaraja: Undiksha Press.
- Kusumadewi, H. (2018). The effects of using duolingo towards student's vocabulary mastery (an experiment of junior high school students at omega sains institute). *IJET (Indonesian Journal of English Teaching)*, 7(2), 172-186.
- Lestari, S. (2017). Implementing padlet application to improve writing ability in English writing skill for non-English department students. *LET: Linguistics, Literature and English Teaching Journal*, 7(1), 1-16.
- Liando, N. V., Mangare, A. R., & Olii, S. T. (2021). Using Bright-English for Beginners Applications to Enrich Students' Vocabulary. *Jurnal Pendidikan Bahasa Inggris undiksha*, 9(3).
- Machmud, K., & Abdulah, R. (2017). Using smartphone-integrated model of teaching to overcome students' speaking anxiety in learning English as a foreign language. *Journal of Arts and Humanities*, 6(9), 01-11.

- Mackey, A. & Gass, S.M. (2005). *Second language research: Method and design*. London Lawrence Erlbaum, Associate Publishers, Mahwah.
- Mansur, H., & Utama, A. H. (2021). The Evaluation of Appropriate Selection Learning Media at Junior High School. *Indonesian Journal of Instructional Media and Model*, 3(1), 17-25.
- Manzano-León, A., Camacho-Lazarraga, P., Guerrero, M. A., Guerrero-Puerta, L., Aguilar-Parra, J. M., Trigueros, R., & Alias, A. (2021). Between level up and game over: A systematic literature review of gamification in education. *Sustainability*, 13(4), 2247.
- Martínez, J., López-Díaz, A., & Pérez, E. (2020). Using Process Writing in the Teaching of English as a Foreign Language. *Online Submission*, 4(1), 49-61.
- Mazhar, B. A. L. (2019). Use of digital games in writing education: an action research on gamification. *Contemporary Educational Technology*, 10(3), 246-271.
- Mee Mee, R. W., Shahdan, T. S. T., Ismail, M. R., Ghani, K. A., Pek, L. S., Von, W. Y., Woo, A., & Rao, Y. S. (2020). Role of Gamification in Classroom Teaching: Pre-Service Teachers' View. *International Journal of Evaluation and Research in Education*, 9(3), 684-690.
- Miller, J. J., Grise-Owens, E., Drury, W., & Rickman, C. (2018). Teaching note—Developing a professional writing course using a holistic view of competence. *Journal of Social Work Education*, 54(4), 709-714.
- Munday, P. (2016). The case for using DUOLINGO as part of the language classroom experience. *RIED: revista iberoamericana de educación a distancia*, 19(1), 83-101.
- Nalliveettil, G. M., & Mahasneh, A. (2017). Developing competence in basic writing skills: perceptions of EFL undergraduates. *International Journal of Applied Linguistics and English Literature*, 6(7), 323-341.

- Nation, I.S.P. (2001). *Learning Vocabulary in Another Language*. Cambridge: Cambridge University Press.
- Noviyanti, R., Bahri, S., & Nasir, C. (2019). The use of think bingo game to improve students' vocabulary mastery. *Research in English and Education Journal*, 4(1), 1-8.
- Nushi, M., & Eqbali, M. H. (2017). Duolingo: A Mobile Application to Assist Second Language Learning. *Teaching English with Technology*, 17(1), 89-98.
- Ofosu-Ampong, K. (2020). The shift to gamification in education: A review on dominant issues. *Journal of Educational Technology Systems*, 49(1), 113-137.
- Pahamzah, J., Syafrizal, S., Masrupi, M., & Yohaningsih, N. (2021). The Impact of Schoology on Students' Reading Comprehension and Writing Skill for Senior High School. *International Journal of English Language and Linguistics Research*, 9(5), 1-9.
- Panis, I., Setyosari, P., Kuswandi, D., & Yulianti, L. (2020). Design gamification models in higher education: A study in Indonesia. *International Journal of Emerging Technologies in Learning (iJET)*, 15(12), 244-255.
- Pratiwi, Y. E., Rukmini, D., & Faridi, A. (2017). The Linguistic Problems of Students' Competence in Writing Business Letters. *Language Circle: Journal of Language and Literature*, 11(2), 117-126.
- Psychogyiou, A., & Karasimos, A. (2019). The effectiveness of learning a foreign language via a distance learning tool: Testing the Duolingo application. *Selected papers on theoretical and applied linguistics*, 23, 364-380.
- Purnamasari, D., Hidayat, D. N., & Kurniawati, L. (2021). An Analysis of Students' Writing Skill on English Descriptive Text. *English Education: Jurnal Tadris Bahasa Inggris*, 14(1), 101-114.

- Purwanto, H. N., Faridi, A., & Rozi, F. (2022). The Effect of DuoLingo and SPADA to Teach Listening to Students with Different Achievement Levels. *English Education Journal*, 12(1), 86-94.
- Puspitarini, Y. D., & Hanif, M. (2019). Using Learning Media to Increase Learning Motivation in Elementary School. *Anatolian Journal of Education*, 4(2), 53-60.
- Puspitasari, E. D. T., Surjono, H. D., & Minghat, A. D. (2018). Utilizing web-based learning as 21st century learning media for vocational education. *International Journal of Engineering and Technology (UAE)*, 7(4), 157-160.
- Putri, N. L. P. N. S., 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.
- Putri, N. S. (2019). Kahoot application in English language teaching (ELT) context: An alternative learning strategy. *ELSYA: Journal of English Language Studies*, 1(1), 11-15.
- Putri, R. O. (2018). Investigating the link between critical thinking skill and argumentative writing skill: The case of Islamic senior high school. *Edukasi: Jurnal Pendidikan Dan Pengajaran*, 5(2), 144-153.
- Qomar, A. H. (2017). The Correlation between Students' Reading Motivation, Vocabulary Mastery and Writing Ability in Recount Text. *Premise: Journal of English Education and Applied Linguistics*, 5(2), 21-32.
- Ratminingsih, N. M., & Budasi, I. G. (2018). Local culture-based picture storybooks for teaching English for young learners. *In SHS Web of Conferences* (Vol. 42, p. 00016). EDP Sciences.
- Ratminingsih, N. M., Mahadewi, L. P. P., & Divayana, D. G. H. (2018). ICT-Based Interactive Game in TEYL: Teachers' Perception, Students'



- Motivation, and Achievement. *International Journal of Emerging Technologies in Learning*, 13(9).
- Ratminingsih, N. M., Marhaeni, A. A. I. N., & Vigayanti, L. P. D. (2018). Self-Assessment: The Effect on Students' Independence and Writing Competence. *International Journal of Instruction*, 11(3), 277-290.
- Redjeki, I. S., & Muhajir, R. (2021). Gamification in EFL classroom to support teaching and learning in 21st century. *JEES (Journal of English Educators Society)*, 6(1), 68-78.
- Rukmini, D., & Saputri, L. A. D. E. (2017). The authentic assessment to measure students' English productive skills based on 2013 curriculum. *Indonesian Journal of Applied Linguistics*, 7(2), 263-273.
- Saeheng, P. (2017). A study of e-learning, blended learning, and traditional teaching methods to motivate autonomous learning in English reading comprehension of Thais learners. *IJELTAL (Indonesian Journal of English Language Teaching and Applied Linguistics)*, 2(1), 1-20.
- Sakkir, G. (2020). The Effectiveness of Pictures in Enhance Writing Skill of Senior High School Students. *Interference: Journal of Language, Literature, and Linguistics*, 1(1).
- Sánchez, C. (2019). Multimodal writing in a second language: CHAT and Duolingo. *GWR Journal*, 9(2), 127-139.
- Santoso, I., & Andriyadi, A. (2019). The Use of My Dictionary Application to Improve Students' Vocabulary Mastery. *ELITIN Journal: Journal of English Language Teaching in Indonesia*, 7(1), 35-42.
- Shegay, A., Orazova, F., & Krivosheeva, G. (2020). Possible writing techniques while teaching for students whose English is a foreign language. *European Journal of Research and Reflection in Educational Sciences*, 8(6).

- Shortt, M., Tilak, S., Kuznetcova, I., Martens, B., & Akinkuolie, B. (2021). Gamification in mobile-assisted language learning: A systematic review of Duolingo literature from public release of 2012 to early 2020. *Computer Assisted Language Learning*, 1-38.
- Suanyot, S., Dibyamandala, J., Mangkhang, C., & Wannapaisan, C. (2022). Enhancing Communicative Competence in English as a Foreign Language Through Hybrid Learning. *Journal of Positive School Psychology*, 6(3), 9617-9622.
- Sulaiman, S. (2017). Improving Students' Achievement in Writing Narrative Text through Modelling Technique in the Second Semester of the Eight-Year Students of Public Junior High School 2 Blitar. *International Research-Based Education Journal*, 1(1).
- Sulistyaningrum, R. A., & Siswanto, S. (2019). A Correlational Study Between Students' Vocabulary Mastery, Reading Habit and Writing Skill. *English Education*, 7(1), 113-122.
- Sürücü, L., & Maslakci, A. (2020). Validity and reliability in quantitative research. *Business & Management Studies: An International Journal*, 8(3), 2694-2726.
- Susanto, A. (2017). The teaching of vocabulary: A perspective. *Jurnal Kata: Penelitian Tentang Ilmu Bahasa Dan Sastra*, 1(2), 182-191.
- Syahputra, M. (2019). Duolingo Gamification: Does it Reduce Students' Grammatical Errors in Writing?. *Getsempena English Education Journal*, 6(1), 1-12.
- Thornbury, S. (2002). *How to Teach Vocabulary*. London: Longman.
- Toba, R., & Noor, W. N., Sanu, L. O. (2019). The current issues of Indonesian EFL students' writing skills: Ability, problem, and reason in writing comparison and contrast essay. *Dinamika Ilmu: Jurnal Pendidikan*, 57-73.

- Utami, D. Y. (2020). *Students' Perception on the Use of Duolingo as a Language Learning Application for Learning English* (Doctoral dissertation, UIN Ar-Raniry Banda Aceh).
- Wali, O., & Madani, A. Q. (2020). The importance of paragraph writing: An introduction. *organization*, 3(07).
- Waluyo, B., & Bucol, J. L. (2021). The impact of gamified vocabulary learning using Quizlet on low-proficiency students. *Computer Assisted Language Learning Electronic Journal*, 22(1), 164-185.
- Wibawa, R. P., Astuti, R. I., & Pangestu, B. A. (2019). Smartphone-Based Application "Quizizz" as a Learning Media. *Dinamika Pendidikan*, 14(2), 244-253.
- Wirawan, F. (2020). A Study on the teaching media used by the English teacher at SMP Muhammadiyah 2 Malang. *Jurnal Ilmiah Profesi Pendidikan*, 5(2), 89-95.
- Yap, W. L. (2016). Transforming conventional teaching classroom to learner-centred teaching classroom using multimedia-mediated learning module. *International journal of information and education technology*, 6(2), 105-112.
- Yıldırım, İ. (2017). Students' perceptions about gamification of education: A Q-method analysis. *Egitim ve Bilim*, 42(191).
- Yulianti, S., Nuraeni, S., & Parmawati, A. (2019). Improving students' writing skill using Brainswriting strategy. *Project (Professional Journal Of English Education)*, 2(5), 714-721.
- Zhang, L. (2017). Analysis on the role and functions of teachers, teaching materials and learners in the multimedia-aided English classroom-based on the study of Linfen No. 1 Senior School. *Theory and Practice in Language Studies*, 7(11), 1132-1138.

Zhong, H. F. (2018). The relationship between receptive and productive vocabulary knowledge: A perspective from vocabulary use in sentence writing. *The Language Learning Journal*, 46(4), 357-370.

Zidan, A. A. (2020). Writing competence of junior high school students at two junior high schools in Yogyakarta. *Journal of English Language and Pedagogy*, 3(1), 69-80.

