REFERENCES

Alizadeh, I. (2019). Motivation in Second Language Learning: A Retrospective Review. *Language Learning Journal*, *47*(3), 321–335.

Anderson, M. F., & Diane. (2014). *Techniques & Principles in Language Teaching* (2nd ed.). Oxford University Press.

Ary, D. (2010). *Introduction to Research in Education*. Wadworth Cengage Learning.

Baek, E.-O., Guo, Q. E., Feng, T., & Jia, L. (2023). Developing An Effective Mobile App For Improving English Speaking Skills. *En-Educationconference*.

Bergmann, J., & Sams, A. (2021). *Flipped Learning: Gateway to Student Engagement*. International Society for Technology in Education.

Cohen, L., Manion, L., & Morrison, K. (2017). *Research Methods in Education* (4th ed.). Routledge.

Erlangga, I. P. B., Suarnajaya, I. W., & Juniarta, P. A. K. (2019). An Analysis Of Grammatical Errors Made By The Seventh Grade Students Of Smp Negeri 2 Sukawati In Writing Descriptive Texts In The Academic Year 2018/2019. *Language and Education Journal Undiksha*, *2*(1). https://doi.org/10.23887/leju.v2i1.20276

Garcia, I. (2013). Learning a language for free while translating the web. does duolingo work? *International Journal of English Linguistics*, *3*(1).

Godwin, J. (2021). Second Language Learning in the Digital Age: Gamification and AI Applications. *Language Learning & Technology*.

Hafifah. (2021). The Effectiveness of Duolingo in Improving Students’™ Speaking Skill at Madrasah Aliyah Bilingual Batu School Year 2019/2020. *Language-Edu*, *10*(3).

Harris, D. P. (1974). Testing a Second Language as a Second Language. *McGRAW-HILL INTRUCTIONAL MATERIALS*, *9*(1–5), 45–50.

Heaton, J. B. (2018). *Writing English Language Test. English* (4th ed.). Longma.

Hughes, A. (2003). *Testing for Language Teachers* (2nd ed.). Cambridge University Press.

Hymes, D. (1970). Foundations in sociolinguistics: The ethnography of communication. University of Pennsylvania Press.

Ishikawa, L., Hall, K., & Settles, B. (2016). The duolingo english test and academic english. Duolingo. *Zuggriff Journal*, *12*.

Islam, M. S., & Stapa, M. B. (2021). Students’ low proficiency in spoken English in private universities in Bangladesh: reasons and remedies. *Language Testing in Asia*, *11*(1), 22. https://doi.org/10.1186/s40468-021-00139-0

Kadnawi, M. P. (2021). Improving Students’ Speaking Skill Through Questioning Paper at Kampung Inggris Pare. *English Teaching Journal and Research: Journal of English Education, Literature, And Linguistics*, *1*(1), 64–85.

Laila, F. N., Adityarini, H., & Maryadi, M. (2023). Challenges and Strategies in Teaching English Speaking Skills to Young Learners: Perspectives of Teachers in Indonesia. *VELES (Voices of English Language Education Society)*, *7*(3), 542–556. https://doi.org/10.29408/veles.v7i3.24030

Lin, M. H., & Warschaueur, M. (2022). Blended Learning and Speaking Skill Development: A Meta-Analysis. *Journal of Computer-Assisted Language Learning*, *35*(2), 187–205.

Meliana Br.Siahaan, Tiarma Intan Marpaung, & David Togi Hutahaean. (2023). Students' Perception Towards Orai As Learning Media Of Speaking Skill At Grade Eight Of SMP Negeri 1 Pematang Siantar. *Jurnal Ilmu Pendidikan Dan Sosial*, *2*(4), 414–427. https://doi.org/10.58540/jipsi.v2i4.449

Mercer, S., & Dörnyei, Z. (2020). Engaging language learners in contemporary classrooms. Cambridge University Press.

Muiis, D. (2004). *Doing Quantitative Research in Education with SPSS*. Sage Publication.

Nunan, D. (2009). Second language teaching and learning. Boston, MA: Cengage Learning.

Permana, A.-, Arjulayana, - -, & Al-Manar, M. A. (2021). Analysis Student's Speaking Fluency In Speaking Class Performance. *Globish: An English-Indonesian Journal for English, Education, and Culture*, *10*(1), 43. https://doi.org/10.31000/globish.v10i1.3940

Puspitaningrum, A. (2018). *The Influence of Using Animation Movie Towards Students'speaking Ability at the First Semester of the Eleventh Grade Of MA Al Hikmah Bandar Lampung in the Academic Year of 2017/2018* [Doctoral Dissertation]. UIN Raden Intan Lampung.

Rofida, B. (2022). Enhancing EFL Students' Speaking Skill through" Duolingo Gamification" The Case of Second Year LMD Students of English at Mohamed Kheider University of Biskra. *Journal University of Biskra*.

Roosdianna, F. F., Munir, A., & Anam, S. (2018). Teachers' strategies to improve accuracy and fluency in speaking. *Proceeding Icon-ELite*, *1*(1), 144–148.

Rouabhia, R., & Kheder, K. (2024). Using Duolingo in Teaching and Learning Vocabulary: A Systematic Review. *Indonesian Journal of English Language Studies (IJELS)*, *10*(2), 91–107. https://doi.org/10.24071/ijels.v10i2.8873

Ryan, R. M., & Deci, E. L. (2020). Intrinsic and extrinsic motivation from a self-determination theory perspective: Definitions, theory, practices, and future directions. Contemporary Educational Psychology, 61, Article 101860. https://doi.org/10.1016/j.cedpsych.2020.101860

Sacal, P. G. Y., & Potane, J. D. (2023). Students' Mastery of English Grammar towards Effective Writing and Speaking Competence. *International Journal of Multidisciplinary: Applied Business and Education Research*, *4*(8), 2894–2904. https://doi.org/10.11594/ijmaber04.08.27

Sakalauskė, A., & Leonavičiūtė, V. (2022). Strategic Analysis Of Duolingo Language Learning Platform. *Mokslas - Lietuvos Ateitis*, *14*(0), 1–9. https://doi.org/10.3846/mla.2022.17731

Selaparang, A. S. R. F. (2023). *The Effect Of Using Duolingo Application On Efl Students Speaking Performance (A Quasi-experimental Study at the Twelfth Grade Students of SMK Negeri 45 Jakarta in the Academic Year 2023/2024)* [Skripsi]. UIN Syarih Hidayatullah Jakarta.

Shalehah, A. B., & Rahmawati, H. (2025). Senior high school students' challenges in speaking English across proficiency levels: A narrative inquiry. Journal of Research on English and Language Learning (J-REaLL), 6(1). https://doi.org/10.33474/j-reall.v6i1.22605

Sidman, M., Cresson, Jr., & Wilson, M. (1974). Acquisition of matching to sample via mediated transfer 1. *Journal of the Experimental Analysis of Behavior*, *22*(1), 261–240.

Stiawan, R. (2020). Fundamental Skills in Foreign Language Learning. Jakarta: Graha Bahasa.

Sugiyono. 2018. *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Bandung: Alfabeta.

Ushioda, E. (2021). The Role of Motivation in Second Language Learning. *Annual Review of Applied Linguistics*, 91–106.

Wang, X., & Wang, Y. (2020). The Impact of Learning Environments on Speaking Proficiency: A Longitudinal Study. *TESOL Quarterly*, *54*(4), 908–932.

Wahyuningsih, S., & Afandi, M. (2020). Investigating English speaking problems: Implications for speaking curriculum development in Indonesia. European Journal of Educational Research, 9(3), 967–977. https://doi.org/10.12973/eu-jer.9.3.967

Zamzami (2018). Students' learning performance and perceived motivation in gamified flipped-class instruction. Computers & Education, 126, 75–88. https://doi.org/10.1016/j.compedu.2018.07.003

Zarrinabadi, N., & Ebrahimi, K. (2019). Social Interaction and Speaking Development in EFL Classrooms. *Journal of English for Academic*, *12*(38), 12–25.