

## REFERENCES

- Abdullah, M. (2015). *Metode Penelitian Kuantitatif*.
- Adriani Putri, S., Amri, S., & Study Program Universitas Islam Indragiri, E. (2020). *THE STUDENTS' DIFFICULTIES FACTORS IN SPEAKING* (Vol. 1, Issue 2).
- Ahmed, A. A. A., Hassan, I., Pallathadka, H., Keezhatta, M. S., Haryadi, R. N., Al Mashhadani, Z. I., Attwan, L. Y., & Rohi, A. (2022). MALL and EFL Learners' Speaking: Impacts of Duolingo and WhatsApp Applications on Speaking Accuracy and Fluency. *Education Research International*, 2022. <https://doi.org/10.1155/2022/6716474>
- Andas, N. H., & Rutniatyanti, Y. (2020). *Students' Speaking Problem at the Fourth Semester of English Study Program in Sembilan belas November Kolaka*. 7(1).
- Aswaty, P., & Indari, A. (2022). THE EFFECT OF USING ELSA (ENGLISH LANGUAGE SPEECH ASSISTANT) SPEAK APPLICATION ON STUDENTS' SPEAKING ABILITY FOR THE ELEVENTH GRADE OF MAS DARUL AL MUHAJIRIN IN THE ACADEMIC YEAR 2021/2022. In *Jurnal Serunai Ilmu Pendidikan* (Vol. 8, Issue 1).
- Bamanger, E. M., & Alhassan, R. A. (2015). *Journal of Education and Practice* [www.iiste.org](http://www.iiste.org) ISSN (Vol. 6, Issue 11). Online. [www.iiste.org](http://www.iiste.org)
- Brown, H. D. (2001). *Teaching by Principle*.
- Brown, H. D. (2004a). *Language assessment: principles and classroom practices*. Pearson/Longman.
- Brown, H. D. (2004b). *LANGUAGE ASSESSMENT Principles and Classroom Practices*.
- Chartrand, R. (2016). *Advantages and Disadvantages of Using Mobile Devices in a University Language Classroom*.
- Chen, X., Zou, V., Cheng, G., & Xie, H. intelligence-assisted personalized language learning: systematic review and co-citation analysis, ". (2021). Artificial intelligence-assisted personalized language learning: systematic review and co-citation analysis. *International Conference on Advanced Learning Technologies (ICALT)*, 241–245.
- Chowdhary, K., & Chowdhary, K. R. (2020). Natural language processing. *Fundamentals of Artificial Intelligence*, 603-649.

- Fitri, A., Rahim, R., Nurhayati, Pagiling, A. S. L., Natsir, I., Munfarikhatin, A., Simanjuntak, D. N., Hutagaol, K., & Anugrah, N. E. (2023). *Dasar-dasar Statistika untuk Penelitian*. Yayasan Kita Menulis.
- Goswami, S. (2023). *Speakify.ai*.
- Guo, H. (2013). *Analyzing and Evaluating Current Mobile Applications for Learning English Speaking*. University of London.
- Haristiani, N. (2019). Artificial Intelligence (AI) Chatbot as Language Learning Medium: An inquiry. *Journal of Physics: Conference Series*, 1387(1). <https://doi.org/10.1088/1742-6596/1387/1/012020>
- Hojnacki, S., & McCarthy, M. (2016). *Oral output in online modules vs. face-to-face classrooms*. The Cambridge guide to blended learning in language teaching.
- Huriati, N., Fitriani, N., Kusumaning Tyas, N., Rofi, A., & Nurmalia Sari, M. (2023). The Role Of Artificial Intelligence (AI) In Developing English Language Learner's Communication Skills. *Journal on Education*, 06(01), 750–757.
- Husnul, N. R. I., Prasetya, E. R., Sadewa, P., Ajimat, & Purnomo, L. I. (2020). *STATISTIK DESKRIPTIF*. [www.unpam.ac.id](http://www.unpam.ac.id)
- Irmawati, D. K. (2016). *FAKTOR-FAKTOR PENGHAMBAT PENINGKATAN KEMAMPUAN BERBICARA BAHASA INGGRIS MAHASISWA JURUSAN BAHASA INGGRIS DI KOTA MALANG*.
- Isnawan, M. G. (2020). *KUASI-EKSPERIMEN*. <https://www.researchgate.net/publication/339040496>
- Jusoh, S. (2018). A STUDY ON NLP APPLICATIONS AND AMBIGUITY PROBLEMS. *Journal of Theoretical and Applied Information Technology*, 31(6). [www.jatit.org](http://www.jatit.org)
- Kartikasari, M., & Rerung, T. (2018). STUDENTS' PERCEPTION ON BLENDED LEARNING IN ENGLISH LISTENING AND SPEAKING CLASS. *Journal of English Language and Culture Hasil Penelitian*, 9(1), 17–28. <http://journal.ubm.ac.id/>
- Khalaf Ismail Makhlouf, M. (2021). Effect of Artificial Intelligence-Based Application on Saudi Preparatory -Year Students' EFL Speaking Skills at Albaha University. *International Journal of English Language Education*, 9(2), 36. <https://doi.org/10.5296/ijele.v9i2.18782>
- Khurana, D., Koli, A., Khatter, K., & Singh, S. (2023). Natural language processing: state of the art, current trends and challenges. *Multimedia Tools*

- and Applications*, 82(3), 3713–3744. <https://doi.org/10.1007/s11042-022-13428-4>
- Klopfer, E., Squire, K., & Jenkins, H. (2002). Environmental Detectives: PDAs as a window into a virtual simulated world. *Proceedings - IEEE International Workshop on Wireless and Mobile Technologies in Education, WMTE 2002*, 95–98. <https://doi.org/10.1109/WMTE.2002.1039227>
- Liddy, E. D. (2001). *Natural Language Processing*. <https://surface.syr.edu/istpub>
- Maulid, R. (2022). *Tutorial Visualisasi Data Excel Box Plot & Whisker*. DQ Lab. <https://dqlab.id/tutorial-visualisasi-data-excel-box-plot-and-whisker>
- Meurers, W. D. (2012). *Natural Language Processing and Language Learning*.
- Miangah, T. M. (2012). Mobile-Assisted Language Learning. *International Journal of Distributed and Parallel Systems*, 3(1), 309–319. <https://doi.org/10.5121/ijdps.2012.3126>
- Narsum, A. (2018). *Uji Normalitas Data Untuk Penelitian*. Jayapangus Press. <http://jayapanguspress.org>
- Nunan, D. (1991). *Language Teaching Methodology*.
- Nunan, D. (1999). *Second Language Teaching & Learning*, . Heinle & Heinle Publishers.
- Nuryadi, Astuti, T. D., Utami, E. S., & Budiantara, M. (2017). *Dasar-dasar Statistik Penelitian*. [www.sibuku.com](http://www.sibuku.com)
- O’Sullivan, B. (2012). *Assessing speaking: The Cambridge guide to second language assessment*.
- Ozer, O., & Kiliç, F. (2018). The effect of mobile-assisted language learning environment on EFL students’ academic achievement, cognitive load and acceptance of mobile learning tools. *Eurasia Journal of Mathematics, Science and Technology Education*, 14(7), 2915–2928. <https://doi.org/10.29333/ejmste/90992>
- Pilar, R.-A., Jorge, A., & Cristina, C. (2013). The Use of Current Mobile Learning Applications in EFL. *Procedia - Social and Behavioral Sciences*, 103, 1189–1196. <https://doi.org/10.1016/j.sbspro.2013.10.446>
- Putri, N. W. S., & Suryati, N. K. (2016). *MODUL STATISTIKA DENGAN SPSS*.
- Raja, R., & Nagasubramani, P. C. (2018). Recent Trend of Teaching Methods in Education" Organised by Sri Sai Bharath College of Education Dindigul-624710. *India Journal of Applied and Advanced Research*, 2018(3), 33–35. <https://doi.org/10.21839/jaar.2018.v3S1.165>

- Rajendran, T., & Md Yunus, M. (2021). A Systematic Literature Review on the use of Mobile-assisted Language Learning (MALL) for Enhancing Speaking Skills among ESL and EFL Learners. *International Journal of Academic Research in Progressive Education and Development*, 10(1). <https://doi.org/10.6007/ijarped/v10-i1/8939>
- Rao, P. S. (2019). *THE IMPORTANCE OF SPEAKING SKILLS IN ENGLISH CLASSROOMS*. [www.acielj.com](http://www.acielj.com)
- Riadi, E. (2014). *Metode statistika: Parametrik & Non-Parametrik*. Pustaka Mandiri.
- Russell, S. J., & Norvig, P. (2009). *artificial intelligence - a modern approach*.
- Sarrab, M. (2012). Mobile Learning (M-Learning) and Educational Environments. *International Journal of Distributed and Parallel Systems*, 3(4), 31–38. <https://doi.org/10.5121/ijdps.2012.3404>
- Seema, G., & Bhatt, C. P. (2019). Analysis Of Different Domains Of Artificial Intelligence. *Engineering and Scientific International Journal*, 6(1).
- Sharples, M., & Pea, R. (2014). *Mobile Learning* (second). The Cambridge Handbook of the Learning Science.
- Sihombing, P. R., Suryadiningrat, S., Sunarjo, D. A., & Yuda, Y. P. A. C. (2023). Identifikasi Data Outlier (Pencilan) dan Kenormalan Data Pada Data Univariat serta Alternatif Penyelesaiannya. *Jurnal Ekonomi Dan Statistik Indonesia*, 2(3), 307–316. <https://doi.org/10.11594/jesi.02.03.07>
- Speakify.ai*. (2022). <https://www.speakify.ai/>
- Sugiyono. (2015). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. ALFABETA.
- Tawe, H. A., Bado, B., & Khalifah. (2022). *Analisis Statistik Parametrik*.
- Thornbury, S. (2005). *How to Teaching Speaking Skill*.
- Widiara, I. (2018). *Blended Learning Sebagai Alternatif Pembelajaran Di Era*.
- Woo, J. H., & Choi, H. (2021). *Systematic Review for AI-based Language Learning Tools*.
- Yendra, B. R. (2018). *AN ANALYSIS OF STUDENTS' PROBLEMS IN MASTERING SPEAKING SKILL FACED BY THE FIRST SEMESTER OF THE TWELFTH GRADE AT SMAN 3 KOTABUMI LAMPUNG UTARA IN THE ACADEMIC YEAR OF 2017/2018 A Thesis Submitted as a Partial Fulfillment of the Requirements for S-1 Degree*.

Zhen, L. S., & Hashim, H. (2022). The Usage of MALL in Learners' Readiness to Speak English. In *Sustainability (Switzerland)* (Vol. 14, Issue 23). MDPI. <https://doi.org/10.3390/su142316227>

Zuroidah, N., & Setyowati, E. (2023). *Statistika Nonparametrik untuk Penelitian Pendidikan Aplikasi dengan Ms. Excel, SPSS, dan R*. IAIN Kediri Press.