

CHAPTER V

CONCLUSION, IMPLICATION, AND SUGGESTIONS

A. Conclusion

According to the study's findings, the use of Wordwall has a favorable and considerable impact on students' vocabulary mastery, according to the study's findings. Students' comprehension of English vocabulary can be improved more successfully than with traditional teaching approaches when Wordwall is incorporated into learning activities. Compared to students who received a traditional education, Wordwall users had superior vocabulary acquisition outcomes. In line with this, the results showed that pupils in the experimental class increased their vocabulary knowledge more than those in the control group. This enhancement suggests that Wordwall's interactive elements help students acquire language more actively, successfully, and pleasurable. Students consequently showed increased passion for studying English vocabulary and became more involved in class activities. Additionally, statistical analysis confirmed a substantial difference between the experimental and control groups, suggesting that the use of Wordwall significantly impacted students' vocabulary mastery. Furthermore, the impact size study showed that Wordwall significantly improved students' vocabulary achievement. To sum up, Wordwall is a useful teaching tool for vocabulary because it not only helps students become more proficient in vocabulary but also boosts their enthusiasm, engagement, and excitement in learning English. As a result, it is recommended that English teachers use Wordwall in

vocabulary-learning exercises, particularly for junior high school students.

B. Implication

The results of this study provide theoretical support for the use of gamification and interactive digital learning materials to increase students' motivation and vocabulary retention. The findings show that incorporating technology into English instruction can result in a more dynamic, interesting, and student-centered learning environment. Consequently, using digital educational resources such Wordwall can help students understand and memorize vocabulary more effectively.

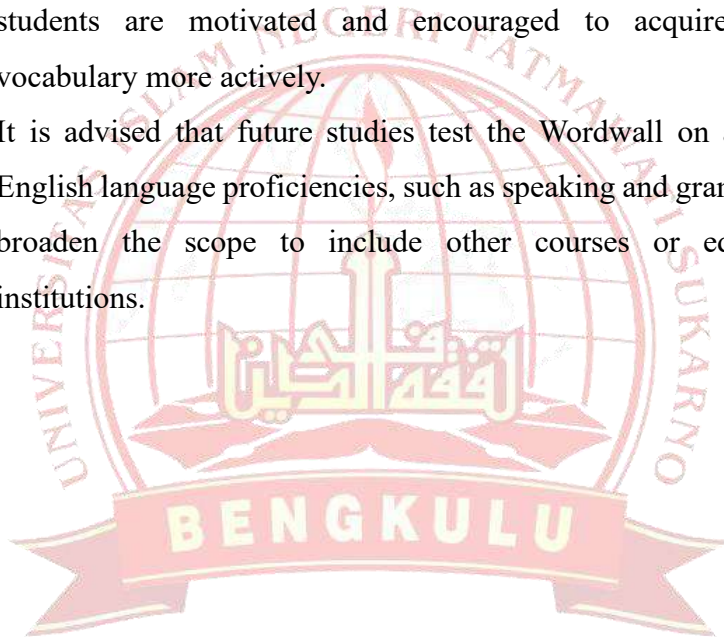
Practically, Wordwall can be used by English teachers as an engaging and effective medium for teaching vocabulary. Since the application is free and easily accessible, it is suitable for classroom use, including schools with limited facilities. The improvement in students' scores within six meetings also indicates that Wordwall is time-efficient in supporting vocabulary learning. Additionally, Wordwall's interactive elements help boost students' engagement, drive, and excitement throughout the educational process.

Additionally, future researchers interested in studying vocabulary mastery, interactive learning media, or technology-based learning may find this study to be a helpful resource. It is advised that future studies look into how well Wordwall works to improve speaking, listening, reading, and writing abilities.

C. Suggestion

The researchers make the following suggestions in light of the study's findings:

1. For Teachers: To make studying more interesting and boost student engagement, teachers are urged to use interactive learning resources like Wordwall as a substitute in the English language learning process, especially in vocabulary development.
2. For Students: By using digital learning resources like Wordwall, students are motivated and encouraged to acquire English vocabulary more actively.
3. It is advised that future studies test the Wordwall on additional English language proficiencies, such as speaking and grammar, and broaden the scope to include other courses or educational institutions.



REFERENCES

- Aguilar García, M. L. (2024). Vocabulary acquisition in the language classroom: What it is, how it works, which strategies and approaches are suitable for Latin instruction. *Journal of Classics Teaching*, 25(50), 116–122. <https://doi.org/10.1017/S2058631024000059>
- Al Firdaus, M. W. M., & Rahmawati, E. (2024). The Impact of Wordwall Online Games on English Vocabulary Mastery in Reading. *Premise: Journal of English Education*, 13(3), 985. <https://doi.org/10.24127/pj.v13i3.10838>
- Alfiah, R., Santosa, M. H., & Kusuma, P. I. (2024). Exploring Students' Engagement in Learning English Vocabulary through Wordwall Media for Secondary Level. *Jurnal Pendidikan Indonesia*, 5(7), 357–363. <https://doi.org/10.59141/japendi.v5i7.3107>
- Almuafa, H. A., & Alqurashi, H. S. (2025). The Impact of Using Wordwall Interactive Games on English Vocabulary Acquisition: Evidence From Saudi Arabia. *International Journal of Linguistics*, 17(2), 64. <https://doi.org/10.5296/ijl.v17i2.22685>
- Arsyad, M. (2024). Harnessing Wordwall for Enhanced Vocabulary Acquisition and Engagement in Non-Formal Elementary Education. *Journal of Languages and Language Teaching*, 12(4), 2064. <https://doi.org/10.33394/jollt.v12i4.12020>
- Brown, H. D. (2004). LANGUAGE ASSESSMENT Principles and Classroom Practices. In *ペインクリニック学会治療指針 2*.
- Bui, T. K. P., Nguyen, Q. T., & Le, T. H. (2023). Assessing the Quality of a Newly Designed Vocabulary Test for Vietnamese EFL Learners: A Rasch-based Analysis. *Vietnam Journal of Education*, 7(1), 63–73. <https://doi.org/10.52296/vje.2023.270>
- Campbell, D. T., & Stanley, J. C. (1963). EXPERIMENTAL AND QUASI-EXPERIMENTAL DESIGNS FOR RESEARCH. In *Contemporary Psychology: A Journal of Reviews* (Vol. 29, Issue 4). <https://doi.org/10.1037/022808>
- Chan, S., & Lo, N. (2024). Enhancing EFL/ESL instruction through gamification: a comprehensive review of empirical evidence. *Frontiers in Education*, 9(August). <https://doi.org/10.3389/educ.2024.1395155>

- Chowdhury, M., Dixon, L. Q., Kuo, L. J., Donaldson, J. P., Eslami, Z., Viruru, R., & Luo, W. (2024). Digital game-based language learning for vocabulary development. *Computers and Education Open*, 6(December 2023), 100160. <https://doi.org/10.1016/j.caeo.2024.100160>
- Cohen, J. (1988). STATISTICAL POWER ANALYSIS for the BEHAVIORAL SCIENCES. In *ペインクリニック学会治療指針*.
- Creswell, John W.; Creswell, J. D. (2018). *Literatuur Qualitative, Quantitative, and Mixed Methods Approaches*. In *Acht grafvondsten van de Veluwe klokbekergroep als uitgangspunt voor chronologische beschouwingen over de relaties saalisch-böhmische Schnurkeramik, Enkelgrafcultuur, Klokbeke-Oostgroep en Nederlands-Westduitse klokbekergroepen* (Edition, 5). SAGE Publications. <https://doi.org/10.2307/j.ctt2204s7w.11>
- Dichev, C., Dicheva, D., & Irwin, K. (2020). Gamifying learning for learners. *International Journal of Educational Technology in Higher Education*, 17(1). <https://doi.org/10.1186/s41239-020-00231-0>
- Dwi Prastiwi, F., & Lestari, T. D. (2025). Digital Game-Based Learning in Enhancing English Vocabulary: A Systematic Literature Review. *Jurnal Penelitian Ilmu Pendidikan Indonesia*, 4(2), 349–358. <https://jpion.org/index.php/jpi349Jurnal>
IWebsite:<https://jpion.org/index.php/jpi>
- Eccles, J. S., & Roeser, R. W. (2004). *Schools, Academic Motivation, and Stage – Environment Fit*. 2, 404–434. <https://doi.org/10.1002/9780471726746.ch5>
- Fadhilah, N., & Daulay, S. H. (2025). *IDEAS Journal of Language Teaching and Learning, Linguistics and Literature Utilizing Wordwall as A Media Learning in Enhancing Students' Vocabulary: Students' Perception*. 13(2), 3986–4000. <https://doi.org/10.24256/ideas>.
- Field, A. (2018). *Discovering Statistics Using IBM SPSS Statistics*. Dk, 53(9), 1689–1699.
- Fraenkel, J. R., Wallen, N. E., & Hyun, H. H. (2019). No Title How to Design and Evaluate Research in Education. In *ペインクリニック学会治療指針 2*.

- Fullan, M. (2013). Stratosphere : Integrating technology, pedagogy, and change knowledge. *Alberta Journal of Educational Research*, 62, 429–432.
- Gee, J. P. (2003). *WHAT VIDEO GAMES HAVE TO TEACH US ABOUT LEARNING AND LITERACY*. <https://dl.acm.org/doi/epdf/10.1145/950566.950595>
- Ilahiyati, N., Rohmah, Z., & Hamamah, H. (2023). The Implementation of Wordwall Games in Vocabulary Learning. *Ijee (Indonesian Journal of English Education)*, 10, 144–159. <https://doi.org/10.15408/ijee.v10i1.29905>
- Jauharah Jilan Situmorang, D. Y. S. (2025). *EXPLORING TEACHERS' PERSPECTIVES ON THE WORDWALL PLATFORM FOR ENHANCING ELEMENTARY STUDENTS' ENGLISH VOCABULARY* Jauharah Jilan Situmorang 1 , Deasy Yunita Siregar 2. 10(September), 230–247.
- Jenniffer Karem Acosta Santillán , Dessire Amandiz Castro Valderrama , Carla Guillermina Mendoza Arce, G. A. V. B. (2023). Gamification in Education and Its Impact on Student Motivation—A Critical Review. *Lecture Notes in Networks and Systems*, 478, 161–170. https://doi.org/10.1007/978-981-19-2940-3_11
- Jia, W., Zhang, L., Pack, A., Guan, Y., & Zou, B. (2024). Digital game-based learning's effectiveness on EFL learners' receptive and productive vocabulary knowledge. *Language Learning and Technology*, 28(1), 1–21. <https://doi.org/10.64152/10125/73554>
- Khasanah, F. U., Majid, A., & Wordwall, P. (2024). Efektivitas Penggunaan Platform Literasi Numerasi Siswa Kelas V Sd Negeri 1 Lengkong Garung. *Jurnal Review Pendidikan Dan Pengajaran*, 7(2), 3988–3996. <https://doi.org/10.31004/jrpp.v7i2.25987>
- Lakens, D. (2013). Calculating and reporting effect sizes to facilitate cumulative science: A practical primer for t-tests and ANOVAs. *Frontiers in Psychology*, 4(NOV), 1–12. <https://doi.org/10.3389/fpsyg.2013.00863>
- Luo, Y., Song, H., Wan, L., & Zhang, X. (2021). The Effect of Vocabulary Depth and Breadth on English Listening Comprehension Can Depend on How Comprehension Is Measured. *Frontiers in Psychology*, 12(May), 1–11. <https://doi.org/10.3389/fpsyg.2021.657573>

- Maiza, M. (2020). An Analysis of Students' Pronunciation Errors. *JOEEL: Journal of English Education and Literature*, 1(1), 18–23. <https://doi.org/10.38114/joeel.v1i1.27>
- Maulana Hendrawan, G., Nurmarina, D., & Fadjar, M. (2025). Penggunaan Aplikasi Wordwall dalam Evaluasi Pembelajaran Bahasa Indonesia Siswa Sekolah Dasar. *Jurnal Cakrawala Pendidikan Dan Biologi*, 2(2), 67–80.
- Messick, S. (1994). VALIDITY OF PSYCHOLOGICAL ASSESSMENT: VALIDATION OF INFERENCES FROM PERSONS' RESPONSES AND PERFORMANCES AS SCIENTIFIC INQUIRY INTO SCORE MEANING. *Simulation in Healthcare*, 17(5), 1–2. <https://doi.org/10.1097/SIH.0000000000000653>
- Nurfadilah, A. S., Nur, M., & Affandi, A. (2025). Enhancing EFL Vocabulary Acquisition Through Gamification: Addressing Challenges and Boosting Retention. *KARIWARI SMART: Journal of Education Based on Local Wisdom*, 5(1), 17–28. <https://doi.org/10.53491/kariwarismart.v5i1.1397>
- Panmei, B., & Waluyo, B. (2023). The Pedagogical Use of Gamification in English Vocabulary Training and Learning in Higher Education. *Education Sciences*, 13(1). <https://doi.org/10.3390/educsci13010024>
- Prof. Dr. Ida Ayu Gde Yadnyawati, M. P. (2019). *Unhi press 2019*.
- Putri, F. A. K., Sorohiti, M., & Ariebowo, T. (2024). Teaching English Using Flashcards to Improve Elementary School Students' Vocabulary. *Journal of Foreign Language Teaching and Learning*, 8(2), 198–215. <https://doi.org/10.18196/ftl.v8i2.21350>
- Rachmadi, Amalia, N., Muliati, A, Aeni, & Nur. (2023). The Effectiveness of Flashcards Media Strategy in Improving Young Learners' Vocabulary. *Journal of Excellence in English Language Education*, 2(1), 73–81.
- Sakkir, G., Azis, N., & Jabu, B. (2023). Using the Digital Game Wordwall to Enhance Efl Students' Vocabulary Mastery. *Journal of Educational Science and Technology (EST)*, 9(3), 246. <https://doi.org/10.26858/est.v9i3.56966>
- Schmitt, N. (2015). Vocabulary in Language Teaching. *Vocabulary in Language Teaching*, 1–36. <https://doi.org/10.4324/9781315679549>

- Setyaedhi, & Sugiharto, H. (2024). Comparative Test of Cronbach ' s Alpha Reliability Coefficient ,Method, Split-half. *Journal of Education Research and Evaluation*, 8(1), 47–57.
- Suci, Y. T. (2018). Menelaah Teori Vygotsky Dan Interdepedensi Sosial Sebagai Landasan Teori Dalam Pelaksanaan Pembelajaran Kooperatif Di Sekolah Dasar. *NATURALISTIC : Jurnal Kajian Penelitian Pendidikan dan Pembelajaran*, 3(1), 231–239. <https://doi.org/10.35568/naturalistic.v3i1.269>
- Sugiyono. (2019). Metode penelitian kuantitatif dan kualitatif serta r&d. In *Alfabeta, CV* (Issue April).
- Sugiyono. (2020). *Metodologi Penelitian Kuantitatif, Kualitatif dan R & D*.
- Sun, D., Chen, Z., & Zhu, S. (2023). What affects second language vocabulary learning? Evidence from multivariate analysis. *Frontiers in Education*, 8(November), 1–12. <https://doi.org/10.3389/feduc.2023.1210640>
- Syarifah, E. L., & Fediyanto, N. (2025). *Wordwall Supports Vocabulary Mastery in Vocational English for Specific Purposes (ESP) Learning : Wordwall mendukung penguasaan kosakata dalam pembelajaran bahasa Inggris kejuruan untuk tujuan tertentu (ESP)*. 20(3), 1–11. <https://doi.org/10.5116/ijme.4dfb.8dfd>
- Tavakol, M., & Dennick, R. (2011). Making sense of Cronbach's alpha. *International Journal of Medical Education*, 2, 53–55. <https://doi.org/10.5116/ijme.4dfb.8dfd>
- Wang, A. I., & Tahir, R. (2020). The effect of using Kahoot! for learning: A literature review. *Computers and Education*, 149(January), 103818. <https://doi.org/10.1016/j.compedu.2020.103818>
- Yanagisawa, A., & Webb, S. (2020). Measuring Depth of Vocabulary Knowledge. *The Routledge Handbook of Vocabulary Studies*, 371–386. <https://doi.org/10.4324/9780429291586-24>
- Zhang, S., & Hasim, Z. (2023). Gamification in EFL/ESL instruction: A systematic review of empirical research. *Frontiers in Psychology*, 13(January), 1–12. <https://doi.org/10.3389/fpsyg.2022.1030790>