

Flashcards can be considered an effective learning method for students. As one of the most practical methods in retrieval practice, flashcards aid learners in retrieving previously their learned knowledge from memory and alerting them to areas where they may need to improve (Gurung & Dunlosky, 2023). This way helps students to memorize, summarize and recall because students can gather knowledge easier with visible key words. Also, from the research of Santika et al. (2023), they explored novel forms of flashcards. They found that incorporating flashcards with multimedia or apps can enhance students' understanding of knowledge. Results showed that students who were taught through online flashcards achieved higher grades in exams. That is because they can review notes whenever they want. Furthermore, according to Murray et al. (2018), students who utilize digital flashcards prepare their exam more efficiently. They delivered a fact that an undergraduate engineering class has successfully employed digitally developed flashcards using readily available software. Relying on databases, students have the autonomy to customize digital flashcards to meet their need, because flashcards are flexible enough to be referred, upgrading the efficiency of learning. In that case, students can be more motivated to face new challenge on learning as well.

## References

- Gurung, R. A. R., & Dunlosky, J. (2023). *Study like a champ*. American Psychological Association.
- Murray, S., Phelps, J., & Altabbakh, H. (2018). Enhancing exam prep with customized digital flashcards. *Journal of STEM Education: Innovations & Research*, 19(4), 42–45.
- Santika, R., Farizki, R., & Adiantika, H. N. (2023). English language learning with flashcard media and educational posters to improve language education. *Journal of Social Science* (2720-9938), 4(3), 706–711. <https://doi.org/10.46799/jss.v4i3.580>