

Technology Use and its Effects to Academic Performance

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Abstract: *This study aimed to determine the perception of senior high school students on the effects of technology use in their academic performance. The study found that students strongly agreed with the positive effects of technology on their ability to research, access educational resources, and participate in online learning opportunities. However, they slightly agreed that technology has increased their motivation to learn and provided more opportunities for personalized learning. On the negative side, students agreed that technology has caused distractions, reduced the quality of their note-taking, and made them more reliant on external sources of information. The study concludes that technology use has both positive and negative effects on student learning, and educators should consider implementing strategies to mitigate negative impacts and leverage positive impacts. Recommendations include encouraging students to use technology as a tool for learning, providing guidelines for technology use in the classroom, investing in technological infrastructure, incorporating technology into lessons, and conducting further research to determine the long-term effects of technology on student learning.*

Keywords: technology use, online learning, academic performance, senior high school

REFERENCES

- [1]. Adnan, M., & Anwar, K. (2017). The impact of e-learning on students' academic performance. *Journal of Education and Practice*, 8(20), 144-152.
- [2]. Allen, I. E., & Seaman, J. (2014). *Grade change: Tracking online education in the United States*. Babson Survey Research Group.
- [3]. Bernard, R. M., Abrami, P. C., Borokhovski, E., Wade, A., Tamim, R., Surkes, M. A., & Bethel, E. C. (2004). A meta-analysis of three types of distance education. *Review of educational research*, 74(3), 379-439.
- [4]. Fu, J., Li, Y., & Zhang, J. (2019). Time management, personality and academic performance in online learning. *Journal of Educational Technology Development and Exchange*, 12(1), 1-16.
- [5]. Hsieh, Y. C., & Cho, Y. C. (2016). Peer interaction in online learning: Implications for academic performance. *Journal of Educational Technology Development and Exchange*, 9(2), 1-14.
- [6]. Hsu, S. H., & Ching, Y. H. (2020). The impact of technology use on academic achievement in higher education: A systematic review. *Educational Technology Research and Development*, 68(4), 2023-2047.
- [7]. Junco, R. (2012). The relationship between frequency of Facebook use, participation in Facebook activities, and student engagement. *Computers & Education*, 58(1), 162-171.