

































- [6] M. Watanabe, K. Mitsui, K. Sato, S. Nakano, Y. Koide, and T. Horita, “The Acquisition level of ICT operation skill in the class where every elementary school student learns for the first time in the environment of 1-to-1 devices,” *Computer & Education*, vol. 50, pp.84–89, 2021.
- [7] M. Watanabe, K. Mitsui, K. Sato, S. Nakano, Y. Koide, and T. Horita, “A Comparative Study of Japanese Input Speed by Keyboard of Elementary School Children Learning with 1:1 Devices for the First Time,” 2021 10th International Congress on Advanced Applied Informatics (IIAI-AAI), pp.160-165, 2021.
- [8] A. R. Russon and S. J. Wanous, “Philosophy and Psychology of Teaching Typewriting”. Cincinnati, OH, USA, Southern-Western Publishing Co, 1973.
- [9] E. Lubbe, J. Monteith, and E. Mentz, “The Relationship Between Keyboarding Skills and Self-Regulated Learning,” *South African Journal of Education*, Vol. 26(2), pp.281–293, 2006.
- [10] S. Fleming, “When and How Should Keyboarding Be Taught in Elementary School?,” *Graduate Research Papers*, 1802, <https://scholarworks.uni.edu/grp/1802>, 2002. (accessed 2023.1.20)
- [11] L. W. Bartholome, *Typewriting/Keyboarding Instruction in Elementary Schools*, <https://www.webpages.uidaho.edu/bustech/Keyboarding/Introductory/Keyboarding%20Pages/Techniques/TypewritingInstruction.htm>, 1999 (accessed 2023.1.20)
- [12] P. MacIntyre, *The Development of Elementary Keyboarding Skills Using Typewriters and Computers*, SSTA Research Centre Report #90-16, <https://saskschoolboards.ca/wp-content/uploads/90-16.htm>, 1990. (accessed 2023.1.20)
- [13] J. Takahashi, T. Horita, and M. Yokomaku, “Current Status of Japanese Keyboarding Skill at Elementary School Level,” *AACE*, pp.4633–4639, 2004.
- [14] Q. Hu and Y. Nonaka, “A Survey on the Typing Skills of Junior High School Students—the Effect of Utilization of One-to-one Laptops –,” *Journal of the Japan Society of Educational Technology*, 42(Suppl.), pp.153–156, 2018.
- [15] L. M. Nichols, “A comparison of two methods for teaching keyboarding in the elementary school. *Computers in the Schools*,” vol. 11, pp.15–25, 1995.
- [16] Y. Benjamini and Y. Hochberg, “Controlling the False Discovery Rate: A Practical and Powerful Approach to Multiple Testing,” *Journal of the Royal Statistical Society. Series B (Methodological)*, vol. 57, No. 1, pp. 289–300, 1995
- [17] M. Watanabe, K. Sato, T. Shibata, and T. Horita, “Teaching Strategies for Japanese Input Skills by Keyboard,” *Bulletin of Kagoshima Women’s College* 58, 2021