

Utilization of H5P-Based Interactive Learning Media to Improve Students Learning Retention in Grade 10 on the Material of Sexual Reproduction in Humans, Human Reproductive System, and Menstrual Cycle

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This research aims to develop interactive learning media based on H5P entitled **Let's Learn According to Your Learning Style** to improve the understanding and learning retention of grade 10 students in Biology subjects, especially on the topic of the Human Reproductive System. This media is designed to suit students' dominant learning styles (visual, auditory, or kinesthetic), with interactive features such as adaptive video, multimedia posters, drag-and-drop games, dramatic audio effects, and movement simulations. The implementation of this media is carried out through a differentiated learning method, where students are grouped based on their dominant learning style and learn in a peer tutoring format.

The results showed that the N-gain treatment group used interactive media reached 0.62, higher than the control group (0.48), shows the effectiveness of media in increasing students' understanding. Besides that, Questionnaires and interviews showed students' positive response to this media, especially in terms of ease of understanding the material and a more meaningful learning experience. This research concludes that H5P-based learning media is interesting, effective, and able to improve student learning outcomes. Further development is recommended to increase accessibility and applicability to other subjects.