ABSTRAK

Naibaho, Nopita. 2024. Pengembangan *E*-Modul Berbasis *Problem-based Learning* Dilengkapi Dengan *Word Search Puzzle* Tentang Sistem Peredaran Darah Manusia Untuk Siswa Kelas VIII. Skripsi. Tanjungpinang. Jurusan Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan. Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Adam Fernando, S.Pd., M.Pd. Pembimbing II: Assist. Prof. Dios Sarkity, S.Pd., M.Pd.

Kata Kunci : *E*-Modul, *Word Search Puzzle*, Sistem Peredaran Darah Manusia

Penelitian ini bertujuan untuk menghasilkan *e*-modul berbasis *problem-based learning* dilengkapi dengan *word search puzzle* tentang sistem peredaran darah manusia untuk siswa kelas VIII yang valid, praktis, dan efektif. Penelitian ini merupakan penelitian pengembangan dengan model pengembangan ADDIE yang terdiri dari 5 tahapan, yaitu: *Analysis, Design, Development, Implementation,* dan *Evaluation.* Berdasarkan hasil yang diperoleh dari penelitian dan pengembangan *E*-Modul Berbasis *Problem-based Learning* Dilengkapi Dengan *Word Search Puzzle* diperoleh hasil validasi materi dan media dengan kriteria "Sangat Valid". Hasil penilaian praktikalitas *e*-modul dengan kriteria "Sangat Praktis". Sedangkan hasil penilaian efektivitas menggunakan rumus *N-gain score* diperoleh hasil dengan kategori "Sedang" dalam kriteria "Efektif". Dengan demikian dapat disimpulkan bahwa *e*-modul berbasis *problem-based learning* dilengkapi dengan *word search puzzle* tentang sistem peredaran darah manusia untuk siswa kelas VIII dinyatakan valid, praktis, dan efektif untuk digunakan dalam pembelajaran IPA.

ABSTRACT

Naibaho, Nopita. 2024. *Development of E-Module Problem-based Learning Equipped with Word Search Puzzle about Human Blood Circulatory System for Class VIII Students.* Thesis. Tanjungpinang. Department of Biology Education, Faculty of Teacher Training and Education. Maritim Raja Ali Haji University. Advisor : Assist. Prof. Adam Fernando, S.Pd., M.Pd. Co-Advisor: Assist. Prof. Dios Sarkity, S.Pd., M.Pd.

Keywords: E-Module,Word Search Puzzle, Human Circulatory System

This research aimed to produce a Problem-based learning E-Module Equipped with Word Search Puzzle about Human Blood Circulatory System for Class VIII Students that is valid, practical, and effective. This research was development research with the ADDIE development model which consists of five stages, namely: Analysis, Design, Development, Implementation, and Evaluation. Based on the results obtained from the research and development of the E-Modules Based on Problem-based learning Equipped with Word Search Puzzle About Human Blood Circulatory System, validation results for the material and media were obtained with the criteria "Very Valid". The results of the practicality assessment of teaching materials with the criteria "Very Practical". Meanwhile, the results of the effectiveness assessment used the N-gain score formula obtained results with the "Moderate" category in the "Effective" criteria. Thus it can be concluded that the problem-based learning based e-module equipped with word search puzzle about human circulatory system for Class VIII students was declared valid, practical, and effective for use in science learning.