

ABSTRAK

Kamisah. 2022. *Pengembangan Lembar Kerja Peserta Didik (E-LKPD) Interaktif Berbasis Problem Based Learning pada Materi Virus*. Skripsi. Tanjungpinang. Jurusan Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan. Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Nur Eka Kusuma Hindrasti., S.Pd., M.Pd. Pembimbing II: Assist. Prof. Dr. Nevrita. M.Pd., M.Si.

Kata Kunci: E-LKPD Interaktif, *Problem Based Learning*, Virus.

Penelitian ini bertujuan menghasilkan E-LKPD interaktif berbasis *problem based learning* pada materi virus yang valid, dan praktis digunakan untuk kegiatan proses pembelajaran peserta didik kelas X. Penelitian ini merupakan penelitian *Research and Development* (R&D) model pengembangan 4-D. Pengembangan media pembelajaran dilakukan beberapa tahap, yaitu tahap *Define*, tahap *Design*, tahap *Develop*, dan tahap *Disseminate*. Pada proses penilaian, validasi materi dan media oleh dosen dan guru menggunakan instrumen berupa angket, kemudian mengukur praktikalitas oleh guru dan peserta didik menggunakan berupa angket juga. Berdasarkan hasil penelitian pengembangan media pembelajaran E-LKPD interaktif berbasis *problem based learning* pada materi virus diketahui bahwa hasil penelitian validasi ahli materi dan ahli media dikategorikan “sangat valid”. Hasil praktikalitas dari guru dan peserta didik mendapatkan kategori “sangat praktis”. Data efektivitas didapatkan dari hasil kognitif yang menunjukkan ketuntasan klasikal 83,3% kategori “Sangat efektif”. Dengan demikian media pembelajaran E-LKPD interaktif berbasis *Problem Based Learning* pada materi virus dapat dikatakan valid dan praktis digunakan untuk digunakan dalam kegiatan pembelajaran kelas X.

ABSTRACT

Kamisah. 2022. Development of Problem Based Learning Interactive Student Worksheets (E-LKPD) on Virus Material. Thesis. Tanjung Pinang. Departement of Biology Education, Faculty of Teacher Training and Education. Raja Ali Haji Maritime University. Supervisor I: Assist. Prof. Nur Eka Kusuma Hindrasti, S.Pd. Supervisor II: Assist. Prof. Dr. Hj. Nevrita. M.Pd., M.Si.

Keywords: Interactive E-LKPD, Problem Based Learning, Virus.

This study aims to produce an interactive E-LKPD based on problem-based learning on viral material that is valid, and practically used for the learning process activities of class X students. This Research and Development (R&D) 4-D development model. The development of learning media is carried out in several stages, namely the Define stage, the Design stage, the Develop stage, and the Disseminate stage. In the assessment process, lecturers and teachers validate materials and media using instruments in the form of questionnaires, then measuring practicality by teachers and students using questionnaires as well. Based on the result of research on the development of interactive E-LKPD learning media based on problem based learning on viral material, it is known that the results of validation research by material experts are categorized "very valid". The results of the practicality of teachers and students get the "very practical" category. Thus the interactive E-LKPD learning media based on problem based learning on virus material can be said to be valid and practical to use in class X learning activities.