

ABSTRAK

Maldiana, D.S. 2023. Pengembangan Lembar Kerja Peserta Didik Elektronik Berbasis *Contextual Teaching and Learning* Pada Materi Plantae Kelas X. Skripsi, Program Studi Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji Tanjungpinang. Pembimbing Skripsi Assist. Prof. Elfa Oprasmani S.Pd., M.Pd., dan Assist.Prof. Dios Sarkity S.Pd., M.Pd.

Kata Kunci : CTL, E-LKPD, Plantae.

Penelitian ini bertujuan mengembangkan E-LKPD berbasis CTL pada materi plantae untuk menunjang pembelajaran kelas X yang valid, praktis, dan efektif. Penelitian ini merupakan jenis penelitian R&D (*research and development*) model pengembangan ADDIE. Pengembangan media pembelajaran dilakukan dengan beberapa tahapan, yaitu: tahap *analysis*, tahap *design*, tahap *development*, tahap *implementation*, dan tahap *evaluation*. Pada proses penilaian validasi materi dan media dilakukan oleh dosen dan guru menggunakan instrument berupa angket, mengukur praktikalitas dilakukan oleh guru dan siswa menggunakan instrumen berupa angket, dan instrumen efektifitas pada siswa yang digunakan pada penelitian ini terdiri dari tes kognitif. Data hasil penelitian dianalisis dengan teknik analisis deskriptif kuantitatif, dan kualitatif. Berdasarkan hasil penelitian menunjukkan bahwa E-LKPD berbasis CTL yang dikembangkan dengan menggunakan model CTL sebagai bahan ajar biologi pada materi plantae kelas X SMA/MA terdiri dari empat menu utama yaitu beranda, materi, kegiatan dan ujian akhir. Validitas, praktikalitas dan efektivitas E-LKPD berbasis CTL sebagai bahan ajar biologi pada materi plantae kelas X SMA/MA sangat valid, praktis dan efektif. Penilaian ahli materi dengan rata-rata 93,37%, penilaian ahli media 89,21%. Penilaian guru 86,31% dan peserta didik 81,95% dan nilai N-Gain 0,81. Dengan demikian E-LKPD berbasis CTL pada materi plantae dinyatakan valid, praktis, dan efektif digunakan dalam kegiatan pembelajaran kelas X.

ABSTRACT

Maldiana, D.S. 2023. Development of Electronic Student Worksheets Based on Contextual Teaching and Learning on Class X Plantae Material. Thesis, Biology Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Tanjungpinang Maritime University. Assist Thesis Advisor. Prof. Elfa Oprasmani S.Pd., M.Pd., and Assist.Prof. Dios Sarkity S.Pd., M.Pd.

Keywords: CTL, E-Worksheet, Plantae.

This study aimed to develop CTL-based E-LKPD on plantae material to support class X learning that is valid, practical, and effective. This research is a type of research and development (R&D) model of the ADDIE development. The development of learning media is carried out in several stages, namely: the analysis stage, the design stage, the development stage, the implementation stage, and the evaluation stage. In the process of assessing material and media validation carried out by lecturers and teachers using instruments in the form of questionnaires, measuring practicality was carried out by teachers and students using instruments in the form of questionnaires, and the instrument of effectiveness for students used in this study consisted of cognitive tests. Research data were analyzed using quantitative descriptive analysis techniques, and qualitative. Based on the results of the study, it was shown that the CTL-based E-LKPD which was developed using the CTL model as biology teaching material on plantae material for class X SMA/MA consisted of four main menus namely homepage, materials, activities and final exams. Validity, practicality and effectiveness of E- CTL-based worksheets as biology teaching materials in class X SMA/MA plantae material are very valid, practical and effective. The material expert's assessment averaged 93.37%, the media expert's assessment was 89.21%. Teacher assessment is 86.31% and students are 81.95% and the N-Gain value is 0.81. Thus the CTL-based E-LKPD on plantae material is declared valid, practical, and effective for use in class X learning activities.