

ABSTRAK

Surmiati. 2022. *Pengembangan lembar kerja peserta didik (LKPD) terintegrasi isu sosio saintifik berbasis live worksheet pada materi virus kelas X*, Skripsi. Tanjungpinang: Program Studi 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. Erda Murhartati S.Si.,M.Si.

Kata Kunci: Isu Sosio Saintifik, Live Worksheet, LKPD, Virus

Penelitian ini bertujuan untuk menghasilkan LKPD terintegrasi isu sosio saintifik berbasis live worksheet pada materi virus yang valid, praktis dan efektif digunakan pada pembelajaran biologi kelas X. Penelitian ini merupakan penelitian dan pengembangan (*Research & Development*) menggunakan model 4-D yaitu: 1) *Define* atau pendefinisian (analisis kurikulum, analisis peserta didik, dan analisis materi); 2) *Design* atau perancangan (pemilihan format media, rancangan awal dan mendesain instrumen penelitian); 3) *Develop* atau pengembangan (validasi ahli materi, validasi ahli media, uji praktikalitas oleh guru dan peserta didik dan uji efektivitas); 4) *Disseminate* atau penyebaran. Instrumen yang digunakan adalah lembar validasi ahli materi dan ahli media, lembar praktikalitas guru dan peserta didik, lembar evaluasi *pots-test*. Data yang diperoleh dianalisis secara kuantitatif dan kualitatif. Profil kelayakan LKPD terintegrasi isu sosio saintifik berbasis Live worksheet telah memenuhi kriteria sangat valid ditinjau dari aspek media dan materi. Hasil uji praktikalitas guru dan peserta didik menunjukkan kategori sangat praktis. kemudian berdasarkan hasil uji efektivitas peserta didik yang dilakukan diperoleh hasil efektif. Dengan demikian dapat disimpulkan bahwa LKPD terintegrasi isu sosio saintifik berbasis live worksheet sangat valid, praktis, dan efektif digunakan peserta didik di kelas X.

ABSTRACT

Surmiati. 2022. Development of student worksheets (LKPD) integrated with socio-scientific issues based on live worksheets for class X virus material, Thesis. Tanjungpinang: Biology Education Study Program, Faculty of Teacher Training and Education, Raja Ali Haji Maritime University. Supervisor I: Assist. Prof. Nur Eka Kusuma Hindrasti, S.Pd., M.Pd. Advisor II: Assist. Prof. Erda Murhartati S.Si.,M.Si.

Keywords: Socio-Scientific Issues, Live Worksheet, LKPD, Virus

This study aims to produce LKPD integrated socio-scientific issues based on live worksheets on virus material that is valid, practical and effective for use in class X biology learning. This research is a research and development (Research & Development) using a 4-D model, namely: 1) *Define* or definition (curriculum analysis, student analysis, and material analysis); 2) *Design* (choice of media format, initial design and design of research instruments); 3) *Develop* or development (validation of material experts, validation of media experts, practicality tests by teachers and students and effectiveness tests); 4) *Disseminate* or spread. The instruments used were material expert and media expert validation sheets, teacher and student practicality sheets, pots-test evaluation sheets. The data obtained were analyzed quantitatively and qualitatively. The feasibility profile of the integrated LKPD on socio-scientific issues based on the Live worksheet has met the very valid criteria in terms of media and material aspects. The results of the practicality test of teachers and students showed a very practical category. Then based on the results of the student effectiveness test carried out, effective results were obtained. Thus, it can be concluded that the LKPD integrated on socio-scientific issues based on live worksheets is very valid, practical, and effective for students in class X.