

ABSTRAK

Gulo, Margaret Mesra Wati, 212111031. Pengembangan Video Pembelajaran Biologi Berbasis Model Inkuiri Terbimbing Untuk Meningkatkan Hasil Belajar Peserta Didik di SMK. Skripsi. Program Studi Pendidikan Biologi. Universitas Nias. Pembimbing Novelina Andriani Zega, S.Pd., M.Pd

Penelitian ini bertujuan untuk mengembangkan video pembelajaran biologi berbasis model inkuiri terbimbing guna meningkatkan hasil belajar peserta didik di Sekolah Menengah Kejuruan (SMK). Model inkuiri terbimbing dipilih karena mampu mendorong keterlibatan aktif peserta didik dalam proses pembelajaran melalui pemberian petunjuk yang sistematis dalam menemukan konsep secara mandiri. Penelitian ini menggunakan model pengembangan ADDIE yang terdiri dari lima tahap, yaitu: Analysis, Design, Development, Implementation, dan Evaluation. Subjek penelitian adalah peserta didik kelas X SMK pada mata pelajaran Biologi. Instrumen yang digunakan meliputi lembar validasi ahli, angket respon peserta didik, serta tes hasil belajar. Video pembelajaran biologi berbasis inkuiri terbimbing pada materi ekosistem untuk kelas X-APAT 1 SMK Negeri 1 Gido dinyatakan sangat layak. Validasi oleh ahli materi I mencapai 98,2%, ahli materi II 93,9%, ahli bahasa 97%, dan ahli desain 78%. Video pembelajaran menunjukkan kepraktisan sangat tinggi berdasarkan uji coba perorangan (83%), kelompok kecil (87%), dan uji lapangan (86%). Produk terbukti efektif meningkatkan hasil belajar, ditunjukkan oleh rata-rata nilai peserta didik sebesar 88,5 dengan KKM 75, sehingga memenuhi kriteria ketuntasan belajar. Berdasarkan hasil tersebut, video pembelajaran biologi berbasis model inkuiri terbimbing layak digunakan sebagai media pembelajaran di SMK untuk mendukung proses pembelajaran yang aktif dan bermakna.

Kata Kunci: video pembelajaran, biologi, inkuiri terbimbing, hasil belajar, SMK

ABSTRACT

Gulo, Margaret Mesra Wati, 212111031. Development of a Biology Instructional Video Based on the Guided Inquiry Model to Improve Learning Outcomes of Vocational High School Students. Undergraduate Thesis. Biology Education Study Program, Nias University. Supervisor: Novelina Andriani Zega, S.Pd., M.Pd.

This study aims to develop a biology instructional video based on the guided inquiry model to improve student learning outcomes at vocational high schools (SMK). The guided inquiry model was chosen for its ability to actively engage students in the learning process through systematic guidance in independently discovering concepts. The research employed the ADDIE development model, consisting of five stages: Analysis, Design, Development, Implementation, and Evaluation. The research subjects were Grade X SMK students in the Biology subject. Instruments used included expert validation sheets, student response questionnaires, and learning outcome tests. The guided inquiry-based biology video on the ecosystem topic for Class X-APAT 1 at SMK Negeri 1 Gido was deemed highly feasible. Validation results showed scores of 98.2% from material expert I, 93.9% from material expert II, 97% from the language expert, and 78% from the design expert. The video also demonstrated a high level of practicality, with student responses reaching 83% in individual trials, 87% in small group trials, and 86% in field trials. The product proved effective in improving learning outcomes, indicated by an average student score of 88.5, exceeding the minimum mastery criterion (KKM) of 75. Based on these results, the guided inquiry-based biology video is considered suitable for use as a learning medium in vocational schools to support active and meaningful learning.

Keywords: instructional video, biology, guided inquiry, learning outcomes, vocational high school