

ABSTRAK

PENGEMBANGAN ALAT EVALUASI HOTS BERBASIS *E-LEARNING*
EDMODO PADA MATERI ANIMALIA KELAS X SMA

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Evaluasi pembelajaran merupakan suatu proses kegiatan pembelajaran untuk menentukan tingkat pencapaian tujuan pembelajaran yang telah ditentukan. Berdasarkan hasil wawancara dengan empat guru Biologi kelas X SMA di Kota Yogyakarta & di luar Kota Yogyakarta, pengetahuan guru terhadap alat evaluasi pembelajaran masih minim dan kurang bervariasi, terutama pada materi yang berbobot besar seperti materi Animalia. Guru membutuhkan alat evaluasi yang dapat membiasakan peserta didik untuk berpikir tingkat tinggi, sehingga alat evaluasi yang cocok adalah bentuk *HOTS* dengan bentuk soal *two tier multiple choice*. Penelitian ini bertujuan untuk mengembangkan dan mengetahui kualitas serta kelayakan alat evaluasi berbasis *E-Learning* Edmodo pada materi Animalia kelas X SMA.

Penelitian ini menggunakan metode *R&D* 4-D yang dikembangkan oleh Thiagarajan, namun hanya melakukan 3 tahapan penelitian, yaitu (1) Pendefinisian (*Define*), 2) Perancangan (*Design*), dan 3) Pengembangan (*Delevop*). Data didapatkan dari wawancara analisis kebutuhan 4 sekolah dilanjutkan desain produk, pengembangan produk, dan uji kelayakan dilakukan melalui uji validasi oleh satu ahli bidang materi, satu ahli bidang media, dan dua guru biologi kelas X sebagai praktisi bidang materi dan media. Kemudian dilakukan revisi produk berdasarkan masukan validator.

Hasil penelitian ini yakni produk alat evaluasi pembelajaran *HOTS* mencakup sepuluh soal post-test pada setiap pertemuan yang diintegrasikan melalui *E-Learning* Edmodo sesuai dengan skor validasi layak diuji cobakan. Berdasarkan uji validasi yang dilakukan, hasil rata-rata nilai validator materi yaitu 91,36%, sedangkan rata-rata validator media yaitu 98,71%, keduanya termasuk ke dalam kriteria “Sangat Tinggi”, sehingga diperoleh rata-rata akhir yaitu 95,07% dengan kriteria validitas “Sangat Tinggi”. Hal tersebut menunjukkan produk yang dikembangkan memiliki kualitas yang layak uji coba dalam skala terbatas setelah direvisi sesuai saran validator.

Kata kunci: *HOTS*, *E-learning* Edmodo, Alat Evaluasi, Animalia, *R&D*

ABSTRACT**DEVELOPMENT OF HOTS ASSESSMENT INSTRUMENT BASED ON EDMODO E-LEARNING ON ANIMALIA MATERIAL FOR THE TENTH GRADE**

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Learning evaluation is a process of learning activities to determine the level of achievement of predetermined learning objectives. Based on the results of interviews with four Biology teachers in class X SMA in the city of Yogyakarta and outside the city of Yogyakarta, teachers's knowledge of learning evaluation tools is still minimal and less varied, especially on high-quality materials such as Animalia. Teachers need evaluation tools that can familiarize students with higher-order thinking, so that a suitable evaluation tool is the HOTS form in the form of two-tier multiple choice questions. This study aims to develop and determine the quality and feasibility of an E-Learning Edmodo based evaluation tool on the material of Animalia for 10th grade.

This research uses the 4-D R&D method developed by Thiagarajan, but only performs 3 steps of research, namely (1) Definition, 2) Design, and 3) Development (Develop). Data obtained from needs analysis interviews of 4 schools followed by product design, product development, and feasibility tests were carried out through validation tests by one material expert, one media expert, and two class of biology for 10th grade teachers as material and media practitioners. Then a product revision is made based on the validator's input.

The result of this study is that the HOTS learning evaluation tool product includes ten post-test questions at each meeting which is integrated through E-Learning Edmodo according to the validation score that is worth trying out. Based on the validation tests carried out, the average value of the material validator is 91.36%, while the media validator average is 98.71%, both of which are included in the "Very High" criteria, so that the final average is 95, 07% with "Very High" validity criteria. This shows that the product developed has a quality that is worthy of trial on a limited scale after being revised according to the validator's suggestions.

Keywords: HOTS, Edmodo E-learning, Evaluation Tools, Animalia, R&D