

ABSTRAK

PENGEMBANGAN ALAT EVALUASI BERBASIS WEBSITE DENGAN PENDEKATAN ASSESSMENT AS LEARNING MATERI SEL KELAS XI SMA

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Pandemi Covid-19 menyebabkan masalah tersendiri dalam dunia pendidikan, dimana sekolah tidak dapat melaksanakan pembelajaran secara langsung. Hasil wawancara analisis kebutuhan yang meliputi 5 sekolah yaitu SMA Bentara Wacana Muntilan, SMA PL Van Lith Muntilan, SMA Marsudirini Muntilan, SMA Negeri 1 Bandongan Magelang, dan SMA Negeri 1 Kalasan Yogyakarta, menunjukkan adanya kebutuhan untuk mengembangkan produk evaluasi yang mencakup penilaian kognitif, afektif, dan psikomotorik peserta didik. Website merupakan salah satu media pembelajaran yang dapat digunakan dan di akses dimana saja dengan sambungan internet. Penelitian ini bertujuan untuk mengembangkan serta mengetahui kelayakan hasil dalam pengembangan alat evaluasi berbasis website pada materi sel kelas XI SMA.

Jenis penelitian ini adalah penelitian dan pengembangan atau Research and Development (RnD). Penelitian ini menggunakan langkah-langkah penelitian menurut Sugiyono yang dibatasi hanya sampai 5 langkah pengembangan. Produk yang dikembangkan kemudian divalidasi oleh 1 ahli isi/materi, 1 ahli media, dan 1 guru biologi. Data yang diperoleh kemudian dianalisis secara kuantitatif dan kualitatif.

Produk yang dihasilkan yaitu website dengan nama Bio Works yang memiliki 3 user yaitu user admin, user guru, dan user murid. Hasil validasi secara keseluruhan diperoleh presentase rata-rata skor akhir 74,75% dengan kelayakan produk dalam kategori “Baik” dengan kesimpulan bahwa produk alat evaluasi berbasis website dengan pendekatan Assessment as learning materi sel kelas XI SMA layak untuk selanjutnya dapat diujicoba sesuai saran validator.

Kata kunci : alat evaluasi, assessment as learning, website, sel, Research and Development (RnD)

ABSTRACT

DEVELOPMENT OF A WEBSITE-BASED EVALUATION TOOL WITH ASSESSMENT APPROACH AS LEARNING CELL MATERIALS FOR CLASS XI SMA

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The Covid-19 pandemic has caused its own problems in the world of education, where schools cannot carry out direct learning. The results of the needs analysis interview covering 5 schools, namely SMA Bentara Wacana Muntilan, SMA PL Van Lith Muntilan, SMA Marsudirini Muntilan, SMA Negeri 1 Bandongan Magelang, and SMA Negeri 1 Kalasan Yogyakarta, indicate a need to develop evaluation products that include cognitive, affective assessments, and psychomotor learners. Website is one of the learning media that can be used and accessed anywhere with an internet connection. This study aims to develop and determine the feasibility of the results in developing a website-based evaluation tool on cell material for class XI SMA.

This type of research is research and development or Research and Development (RnD). This research uses research steps according to Sugiyono which are limited to only 5 development steps. The product developed was then validated by 1 content/material expert, 1 media expert, and 1 biology teacher. The data obtained were then analyzed quantitatively and qualitatively.

The resulting product is a website with the name Bio Works which has 3 users, namely admin user, teacher user, and student user. The overall validation results obtained an average final score of 74.75% with the feasibility of the product in the "Good" category with the conclusion that the website-based evaluation tool product with the Assessment as learning approach to class XI SMA cell material is feasible and can then be tested according to the validator's suggestions.

Keywords: evaluation tool, assessment as learning, website, cell, Research and Development (RnD)