

ABSTRAK

KHAIRINA AFNI. Pengembangan Perangkat Penilaian Otentik pada Mata Kuliah Kultur Jaringan. Program Pascasarjana Universitas Negeri Medan. 2014.

Penelitian ini dilakukan bertujuan untuk mengetahui kualitas, kelayakan dan efektivitas perangkat penilaian otentik yang dikembangkan pada mata kuliah kultur jaringan. Penelitian ini dilakukan di Jurusan Pendidikan Biologi Fakultas Matematika dan Ilmu Pengetahuan Alam (FMIPA) UNIMED pada bulan Januari-Juni 2014, dengan menggunakan model pengembangan Borg and Gall. Penelitian pengembangan ini secara umum dapat dikelompokkan menjadi tiga prosedur, yaitu tahap pertama adalah model pengembangan produk dengan melakukan analisis kebutuhan melalui analisis materi, standart kompetensi dan tugas, tahap kedua adalah prosedur pengembangan produk berupa perancangan produk penilaian, validasi oleh tim ahli, dan tahap ketiga adalah uji coba produk yang meliputi uji coba perorangan, kelompok kecil dan kelompok besar . Produk yang dihasilkan berupa perangkat penilaian otentik yang digunakan mahasiswa Pendidikan Biologi UNIMED semester VIII angkatan 2010. Perangkat penilaian otentik disusun dan dinilai layak oleh tim validasi. Hasil penilaian tim ahli materi menunjukkan rata-rata 86% kategori sangat baik, dan ahli desain penilaian 95% dengan kategori sangat baik. Uji coba perorangan 77% dengan kriteria sangat baik. Uji coba kelompok kecil 82% dengan kriteria sangat baik, uji coba kelompok besar 89% dengan kategori sangat baik. Uji coba kelayakan produk 89% dengan kategori sangat layak yang sangat sesuai dengan hasil uji coba efektivitas pada perangkat penilaian otentik dan 42 mahasiswa semester VIII pendidikan biologi UNIMED menilai 89% efektivitas perangkat penilaian otentik pada mata kuliah kultur jaringan ini sangat baik.

Kata Kunci: Pengembangan, Penilaian Otentik, Kultur Jaringan

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ABSTRACT

KHAIRINA AFNI. Authentic Assessment Tools Development in Tissue Culture Courses. Graduate School Of The State University Of Medan. 2014.

This research was conducted aiming to find out the quality, appropriateness and effectiveness of authentic assessment tools developed in tissue culture courses. This research was conducted in the Department of Biology Education Faculty of Mathematics and Natural Sciences (FMIPA) UNIMED in January-June 2014, by using the development model of Borg and Gall. This development research generally can be grouped into three procedures, the first phase is the product development model by conducting a needs analysis through the analysis of the material, standard competencies and tasks, the second phase is the procedure of design product, development product, validation assessment by a team of experts, and the third phase is to test the product that includes the trials of individuals test, small groups and large groups. The resulting product was an authentic assessment tool that used by students of Biology education semester VIII force 2010 UNIMED. Authentic assessment tool compiled and assessed by a team of qualified validation. The results of the assessment team of experts the material showed an average 86% category was excellent, and expert design assessment was 95% with a very good category. Individual test was 77% with the criteria very well. A small group test was 82% with very good criteria, testing a large group test was 89% by category is very good. Feasibility product test was 89% with a very worthy category and the test of the effectivity in authentic assessment tool and 42 students of eighth semester of biology education UNIMED assessed 89% effectivity Authentic Assessment Tool development in tissue culture Courses this very well.

Keywords: Development, authentic assessment, tissue culture

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