ABSTRAK

Anggraeni, Erni Luviana. 2017. *Pengembangan Perangkat Pembelajaran Berbasis Inkuiri Pada Materi Jamur Kelas X SMA.* Skripsi, Program Studi Pendidikan Biologi, Fakultas Keguruan Dan Ilmu Pendidikan, Universitas Muhammadiyah Jember.
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Kata Kunci : Perangkat Pembelajaran, Inkuiri, Jamur.

Berdasarkan studi pendahuluan di SMA Muhammadiyah 3 Jember diketahui dalam proses pembelajarannya guru masih banyak menggunakan lembar kegiatan siswa dari penerbit yang sudah disiapkan oleh pihak sekolah dan bukan hasil pengembangan guru sendiri. Salah satu solusi yang dapat mengatasi permasalahan tersebut perlu dikembangkan perangkat pembelajaran berupa rencana pelaksanaan pembelajaran disertai lembar kegiatan siswa berbasis inkuiri, serta penilaian. Penggunaan model inkuiri siswa lebih aktif dan dapat meningkatkan sikap ilmiah siswa , keterampilan proses sains.

Tujuan penelitian ini menghasilkan perangkat pembelajaran berupa rencana pelaksanaan pembelajaran dan lembar kegiatan siswa berbasis inkuiri serta penilaian pada pokok bahasan jamur kelas X, mengetahui uji keterbacaan dan tingkat kesulitan lembar kegiatan siswa.

Jenis penelitian ini merupakan penelitian *Educational Research and Development.* Model penelitian dan pengembangan ini mengacu pada model 4-D (*Four D model*) yang direduksi menjadi 3-D terdiri dari 3 tahap, tahap pendefinisian (*define*), perencanaan (*design*), pengembangan (*develop*). Penilaian validasi dilakukan oleh ahli perangkat, ahli materi, ahli media, ahli bahasa, dan ahli pengguna, sedangkan pada uji coba terbatas melibatkan 10 orang siswa kelas X IPA 4 SMA Muhammadiyah 3 Jember.

Hasil analisis skor rata-rata penilaian rencana pelaksanaan pembelajaran dari ahli perangkat dan pengguna diperoleh nilai rata-rata keseluruhan 4 dan 4,5 dengan kriteria valid. Skor rata-rata penilaian lembar kegiatan siswa, ahli materi, ahli media, ahli bahasa diperoleh nilai rata-rata keseluruhan 4 dengan kriteri valid. Skor rata-rata lembar observasi keterampilan proses sains dan sikap ilmiah siswa, diperoleh nilai rata-rata 4 dengan kriteria valid. Berdasarkan kriteria kevalidan menunjukkan perangkat pembelajaran yang dihasilkan memiliki interpretasi valid dan dapat digunakan. Hasil uji keterbacaan dan tingkat kesulitan menunjukkan lembar kegiatan siswa terbaca dengan baik, serta respon siswa yang memberikan respon positif lebih banyak dibandingkan dengan respon negatif.

ABSTRACT

Anggraeni, Erni Luviana. 2017. Development Of Device-Based Learning Material On Inquiry Fungi Of The Class X SMA. Thesis, Biology Education, Faculty Of Teacher Training And Educational Sciences, Muhammadiyah University Of Jember.
Supervisor: (1) Ika Priantari, S.Si. M.Pd (2) Ir. H. Elfien Harrianto, MP.

Keywords: Tools of Learning, Inquiry, Fungi.

Based on a preliminary study in SMA Muhammadiyah 3 Jember is known in the process of teacher's lesson that many still use student activity sheet from publishers who have already prepared by the school and not the result of development of teachers themselves. One of the solutions that can overcome these problems need to be developed in the form of a learning device implementation plan activity sheet accompanied students learning-based inkuiri, and assessment. The use of model inkuiri more active students and can increase the scientific attitude, science process skills of students.

The purpose of this research resulted learning devices in the form of the plan of implementation of the learning and the student activity sheet-based inkuiri as well as an assessment on the subject of mushroom class X, knows the test readability and difficulty level of student activity sheets.

This type of research is the research of *Educational Research and Development.* The model research and development refers to a model 4-D (Four D model) which was reduced to 3-D consists of 3 stages, stage definition (*define*), planning (*design),* development (*develop*). Validation assessment carried out by the experts of the device, expert content, media experts, linguists, and expert users, whereas in limited trials involving 10 people class X 4 IPA SMA Muhammadiyah 3 Jember.

The results of the analysis of the average score assessment of implementation plan of learning from expert users and devices obtained an the overall average rating 4 and 4.5 with valid criteria. An average score of the student activity sheet valuation, expert content, media experts, linguists obtained average value overall 4 with kriteri valid. Average score sheets of the observation process skills scientific attitude and science students, obtained average value of 4 with valid criteria. Based on the criteria of kevalidan shows the resulting learning devices have valid interpretations and can be used. The results of the test the readability and difficulty level indicates the student activity sheet read properly, as well as the response of the students gave positive response more as compared to a negative response.