PENGEMBANGAN LEMBAR KEGIATAN PESERTA DIDIK (LKPD) MATERI POKOK PERUBAHAN LINGKUNGAN SESUAI KEBUTUHAN PENGALAMAN BELAJAR BIOLOGI KELAS X SMAN/MA BERBASIS PENDEKATAN ILMIAH

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ABSTRAK

Penelitian ini bertujuan untuk mengembangkan LKPD biologi berbasis pendekatan ilmiah materi pokok perubahan lingkungan. Desain penelitian yang diguanakan adalah penelitian pengembangan. Sasaran uji coba dalam penelitian ini adalah siswa kelas X MAN 1 Medan tahun pelajaran 2016/2017. Pengumpulan data dilakukan dengan instrumen berupa lembar angket. Analisis data meggunakan analisis deskriptif kuantitatif. Pengembangan LKPD biologi berbasis pendekatan ilmiah dilakukan menggunakan model 4-D yaitu melalui tahap pendefenisian, perancangan, dan pengembangan, dan penyebaran. Akan tetapi penelitian ini dibatasi pada tahap pengembangan. Hasil penelitian menunjukkan bahwa pengembangan LKPD berbasis pendekatan ilmiah berdasarkan penilaian ahli konstruksi diperoleh 83,3%, penilaian ahli materi diperoleh 85% masing-masing dikategorikan sangat baik, sedangkan hasil uji kelompok kecil diperoleh skor 93,9% dengan kriteria sangat baik. LKPD biologi materi pokok perubahan lingkungan berbasis pendekatan ilmiah yang dikembangkan memperoleh kriteria sangat baik dan telah memenuhi persyaratan kelayakan untuk digunakan sebagai media pembelajaran biologi.

Kata Kunci : LKPD, Perubahan Lingkungan, Pendekatan Ilmiah

THE DEVELOPMENT OF STUDENT WORK SHEET (LKPD) ON ENVIRONMENTALCHANGES TOPIC ACCORDING TO THENEED OF BIOLOGY LEARNING EXPERIENCE ONX GRADER OF HIGH SCHOOL BASED ON SCIENTIFIC APPROACH

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ABSTRACT

This study aims to develop the student work sheet based on scientific approach on the topic od environmental changes. The design which used in this research is research and development. The targets of this research are the X grader students of MAN 1 Medan academic year 2016/2017. The data were obtained by using questionnaire. The data were analyzed by using quantitative descriptive analysis. The development of students activity sheet based on scientific approach has done by using 4D Model in step of difine, design, develop, and disseminate, and yet this research was limited until development phase. The result of the development of student activity sheet according to construction and material experts have very valid result respectively 83,3% and 85%., as well as the result of small class test has very valid score with 93.9% of score. The student work sheet on environmental changes as on of biology topic which been developed got very valid criteria and fulfilled properness and could be used as one of biology learning media.

Key words: Students Work Sheet, Environmental Changes, Scientific Approach