

**PENGEMBANGAN LEMBAR KERJA PESERTA DIDIK BERBASIS
PENDEKATAN SAINTIFIK MATERI SISTEM EKSKRESI PADA
MANUSIA**

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ABSTRAK

Penelitian ini bertujuan mendeskripsikan dan menjelaskan karakteristik, tingkat validitas, tingkat kepraktisan serta tingkat keterbacaan lembar kerja peserta didik berpendekatan saintifik pada mata pelajaran IPA kelas VIII materi sistem ekskresi pada manusia. Jenis penelitian yang digunakan adalah penelitian dan pengembangan (*Research and Development*) yang menggunakan prosedur penelitian dan pengembangan model *Borg & Gall* yang terdiri atas tahap (1) penelitian dan pengumpulan informasi, (2) perencanaan, (3) mengembangkan bentuk pendahuluan produk, (4) uji lapangan persiapan, serta (5) revisi produk utama. Pengumpulan data pada penelitian ini menggunakan teknik wawancara, penilaian lembar validasi dan penyebaran angket. Data kualitatif yang diperoleh dianalisis secara deskriptif dan hasil data kuantitatif validitas dianalisis melalui Uji Gregory kemudian uji kepraktisan dan keterbacaan dianalisis menggunakan perhitungan skor rata-rata. Hasil uji validitas masuk dalam kategori validitas sangat tinggi dengan koefisien sebesar 1,0. Hasil uji kepraktisan berdasarkan penilaian oleh guru masuk dalam kategori sangat praktis dengan memperoleh skor rata-rata sebesar 4,2 kemudian uji keterbacaan yang dilakukan peserta didik masuk dalam kategori sangat terbaca dengan memperoleh skor rata-rata sebesar 4,6. Karakteristik LKPD berpendekatan saintifik yaitu (1) LKPD menggunakan tahapan 5M yang terdiri atas tahap mengamati, menanya, mengumpulkan data/melakukan eksperimen, mengasosisasi dan mengomunikasikan. (2) LKPD menyajikan fenomena-fenomena kontekstual yang didukung berupa uraian cerita. (3) LKPD berbentuk media cetak. Setelah melalui tahap perbaikan diperoleh LKPD berpendekatan saintifik yang terdiri atas siklus 5M. Berdasarkan data hasil penelitian dapat disimpulkan bahwa LKPD Berpendekatan Saintifik yang telah dikembangkan dapat dilanjutkan ke tahap uji lapangan utama.

Kata kunci: Lembar Kerja Peserta Didik, Pendekatan Saintifik, Sistem Ekskresi.

DEVELOPMENT OF STUDENT WORK SHEET BASED ON SCIENTIFIC APPROACH ON HUMAN EXCRETION SYSTEM MATERIALS

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ABSTRACT

This study aims to describe and explain the characteristics, level of validity, level of practicality and level of readability of worksheets of students with a scientific approach in class VIII science subjects on the excretory system in humans. The type of research used is research and development (Research and Development) which uses the Borg & Gall model research and development procedure which consists of stages (1) research and information gathering, (2) planning, (3) product preliminary form development, (4) preparatory field tests, as well as (5) major product revisions. Collecting data in this study using interview techniques, validation of assessment sheets and spread of angles. The qualitative data obtained were analyzed descriptively and the results of the validity of the quantitative data were analyzed through the Gregory test then the practicality and readability tests were analyzed using the average score calculation. The results of the validity test are included in the category of very high validity with a coefficient of 1.0. The results of the practicality test based on the assessment by the teacher are included in the very practical category by obtaining an average score of 4.2 then the readability test conducted by students is included in the very legible category by obtaining an average score of 4.6. The characteristics of LKPD with a scientific approach are (1) LKPD uses the 5M stages which consist of observing, asking questions, collecting data/conducting experiments, associating and communicating. (2) LKPD presents contextual phenomena which are supported in the form of story descriptions. (3) LKPD in the form of print media. After going through the improvement phase, a scientific approach is obtained LKPD consisting of the 5M cycle. Based on the research data it can be concluded that the LKPD with a scientific approach that has been developed can be continued to the main field test stage.

Keywords: Student Worksheets, Scientific Approach, Excretion System.