

**ABSTRAK**

***PENGEMBANGAN LKS IPA BERBASIS PENDEKATAN SAINTIFIK UNTUK SISWA  
KELAS IV MATERI SIFAT-SIFAT BUNYI***

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Penelitian pengembangan ini bertujuan untuk memaparkan prosedur pengembangan Lembar Kerja Siswa (LKS) IPA berbasis pendekatan saintifik pada materi sifat-sifat bunyi untuk siswa kelas IV SD dan memaparkan kualitas produk LKS IPA berbasis pendekatan saintifik untuk siswa kelas IV SD.

Penelitian ini menggunakan metode penelitian dan pengembangan (*Research and Development*). Model yang digunakan adalah model pengembangan yang dipaparkan oleh Dick and Carey (2003). Model tersebut dimodifikasi ke dalam delapan langkah pengembangan, yaitu analisis kebutuhan, merumuskan tujuan khusus, mengembangkan instrumen, mengembangkan strategi, mengembangkan isi LKS, evaluasi formatif, revisi, dan evaluasi sumatif. Subjek uji coba pengembangan yaitu enam siswa kelas IV semester ganjil SDN Demangan Yogyakarta.

Hasil pengembangan LKS berupa LKS IPA berbasis pendekatan saintifik divalidasi oleh ahli IPA dan guru SD. Hasil validasi dari ahli IPA menunjukkan skor rerata 2,8 dengan kategori “baik. Validasi dari guru SD memperoleh skor rerata 3,71 dengan kategori “sangat baik”. LKS IPA berbasis pendekatan saintifik memiliki rerata skor validasi produk 3,25 yang menunjukkan kualitas “baik”. Hasil validasi tersebut berpedoman pada 4 aspek yaitu (1) konten atau isi, (2) tampilan, (3) bahasa, dan (4) penggunaan dan penyajian. LKS IPA berbasis pendekatan saintifik memiliki dampak pada proses dan hasil belajar siswa. Siswa menjadi lebih antusias, lebih aktif, dan lebih berkonsentrasi dalam kegiatan belajar. LKS IPA berbasis pendekatan saintifik yang dikembangkan mampu meningkatkan hasil belajar siswa sebanyak 33% berdasarkan hasil *pretest* dan *posttest*. Dengan demikian, dapat disimpulkan bahwa LKS IPA berbasis pendekatan saintifik yang dikembangkan sudah “layak” digunakan sebagai bahan ajar pembelajaran.

**ABSTRACT**

***THE DEVELOPMENT OF STUDENT WORKSHEET OF SCIENCE BASED ON SCIENTIFIC APPROACH FOR THE FOURTH GRADE STUDENT ABOUT THE MATERIAL OF THE CHARACTERISTICS OF SOUND***

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*The purpose of this research is to explain the procedure of the development of student worksheet of science based on the scientific approach to the material of the characteristic of sounds for the grade four student of elementary school.*

*The method of this research are research and development method. The model used is the model of Dick & Carey's development (2003). This model is modified into eight stages of development. There are the analysis of needs, formulate specific goals, developing instruments, develop a strategy, develop the content of LKS, formative evaluation, revision, and summative evaluation. The subject of this research are six students from grade four of SDN Demangan Yogyakarta.*

*The result of this research of student worksheet of science based on scientific approach validated by science expert and the elementary school teacher. The result from science expert's validation shows that the average score is about 2.8 with good categorized. The result from elementary school teacher's validation shows that the average score is about 3.71 with very good categorized. The from student worksheet of science which is based on a scientific approach has the average score of validation product 3.25. It shows the quality of "good". The validation results based on the four aspects: (1) the content or the content, (2) display, (3) language, and (4) the use and presentation. The from student worksheet of science which is based on a scientific approach impacts on the process and student learning outcomes. Students become more enthusiastic, more active, and more concentrate on learning activities. The IPA LKS based on a scientific approach which is developed is able to improve the student learning outcomes as much as 33% based on the pretest and posttest. Thus, it can be concluded that the IPA LKS based on a scientific approach which is developed, has been "worth" if it is used as a learning teaching materials.*