

## ABSTRAK

### **PENGEMBANGAN BUKU CERITA BERGAMBAR TOPIK SAMPAH PLASTIK UNTUK MELATIH LITERASI SAINS SISWA KELAS IV SD**

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Kompetensi literasi sains di Indonesia masih dikategorikan rendah. Penelitian ini bertujuan mengembangkan buku cerita bergambar sebagai media pembelajaran IPA yang interaktif untuk meningkatkan kompetensi literasi sains siswa kelas IV SD. Metode yang digunakan adalah *Research and Development* (R&D) dengan tipe ADDIE yaitu *Analyze, Design, Develop, Implement, dan Evaluate*. Pengembangan buku cerita bergambar ini menggunakan instrumen penelitian berupa wawancara, kuesioner, dan tes dengan teknik analisis data kuantitatif serta kualitatif. Data didapat dari 3 validator produk sebagai *expert judgment* meliputi 1 dosen ahli dan 2 guru kelas IV SD serta 12 siswa kelas IV SD sebagai subjek penelitian. Hasil penelitian menunjukkan bahwa 1) buku cerita bergambar berjudul “Ade & Sampah Plastiknya” untuk melatih kompetensi literasi sains topik sampah plastik telah dikembangkan dengan langkah-langkah ADDIE, 2) kualitas buku cerita bergambar ini telah divalidasi dengan memperoleh skor 3,5 masuk dalam kategori “sangat baik” sehingga layak digunakan. Hasil uji coba menunjukkan persentase peningkatan kompetensi literasi sains siswa sebesar 66,13%. Sementara kompetensi literasi sains sebelumnya masuk dalam kategori “rendah” dan mengalami peningkatan menjadi “tinggi”.

Kata kunci: Buku Cerita Bergambar, Sampah Plastik, Literasi Sains.

**ABSTRACT**

**DEVELOPMENT OF PICTURE STORY BOOK ON PLASTIC WASTE TO  
TRAIN SCIENCE LITERACY OF GRADE IV ELEMENTARY SCHOOL  
STUDENTS**

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*Science literacy competence in Indonesia is still categorized as low. This study aims to develop picture story book as interactive science learning media to improve the science literacy competencies of grade IV elementary school students. The method used is Research and Development (R&D) with the ADDIE type, namely Analyze, Design, Develop, Implement, and Evaluate. This picture story book development uses research instruments in the form of interviews, questionnaires, and tests with quantitative and qualitative data analysis techniques. Data were obtained from 3 product validators as expert judgment including 1 expert lecturer and 2 grade IV elementary school teachers and 12 grade IV elementary school students as research subjects. The results showed that 1) a picture story book entitled “Ade & His Plastic Waste” to train science literacy competencies on the topic of plastic waste has been developed with ADDIE steps, 2) the quality of this picture story book has been validated by obtaining a score of 3.5 in the “very good” category so that it is feasible to use. The trial results showed a percentage increase in students' science literacy competence of 66.13%. While the previous science literacy competence was in the “low” category and increased to “high”.*

**Keywords:** Picture Story Book, Plastic Waste, Science Literacy.