

## ABSTRAK

### PENGEMBANGAN BUKU CERITA BERGAMBAR TENTANG PENGOLAHAN LIMBAH PETERNAKAN BAGI SISWA KELAS IV SD

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Dari hasil wawancara dengan dua guru kelas IV, peneliti mendapatkan informasi jika mereka memerlukan buku cerita bergambar untuk mengajar tema 3 “Peduli Terhadap Makhluk Hidup”, Subtema 3 “Ayo Cintai Lingkungan”, pembelajaran 1. Salah satu permasalahan lingkungan di sekitar sekolah adalah adanya limbah peternakan karena beberapa warga memelihara sapi. Peneliti termotivasi mengembangkan buku cerita bergambar tentang alat bernama digester biogas yang dapat mengolah kotoran sapi menjadi menjadi bahan bakar dan pupuk kandang. Jadi tujuan penelitian ini adalah untuk mendeskripsikan langkah-langkah pengembangan buku cerita bergambar tersebut.

Jenis penelitian ini adalah penelitian dan pengembangan (R&D) menggunakan tahap-tahap model ADDIE, yaitu: (1) *Analyze*: dilakukan peneliti dengan mewawancara dua guru kelas IV SD dan mendapatkan data jika mereka membutuhkan buku cerita bergambar untuk mengajarkan tentang pelestarian lingkungan. (2) *Desain*: peneliti membuat kisi-kisi buku cerita bergambar. (3) *Develop*: peneliti membuat buku cerita bergambar berdasarkan kisi-kisi, melakukan validasi buku cerita bergambar dan merevisi buku cerita bergambar berdasarkan masukkan validator. (4) *Implement*: peneliti melakukan uji coba terbatas pada tiga siswa kelas IV SD. (5) *Evaluate*: peneliti mengevaluasi kualitas buku cerita bergambar usai uji coba terbatas.

Hasil validasi dari dua validator yaitu dosen biologi dan guru kelas IV SD mendapatkan skor rata-rata 3,28 (dari rentang nilai 1-4) artinya “Sangat Baik.” Dan hasil uji coba kualitas buku cerita bergambar terhadap tiga siswa kelas IV mendapatkan skor rata-rata 3,78 artinya “Sangat Baik.” Jadi buku cerita bergambar ini layak untuk digunakan guru kelas IVSD untuk mengajar tema 3 “Peduli Terhadap Makhluk Hidup” Subtema 3 “Ayo Cintai Lingkungan” pembelajaran 1.

Kata kunci: pendidikan lingkungan hidup, pengolahan limbah peternakan, buku cerita bergambar

**ABSTRACT**

**THE DEVELOPMENT OF PICTURE STORY BOOKS ABOUT ANIMAL  
HUSBANDRY WASTE TREATMENT FOR FOURTH GRADE ELEMENTARY  
SCHOOL STUDENT**

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*From the results of interviews with two fourth grade teachers, researchers got information if they needed picture story books to teach theme 3 "Care for Living Creatures", Sub-theme 3 "Let's Love the Environment", learning 1. One of the environmental problems around schools is the presence of waste farms because some residents raise cows. Researchers are motivated to develop a picture story book about a tool called a biogas digester that can process cow dung into fuel and manure. So the purpose of this research is to describe the steps of developing the picture story book.*

*This type of research is research and development (R&D) using the stages of the ADDIE model, namely: (1) Analyze: the researcher conducted by interviewing two fourth grade elementary school teachers and getting data if they needed picture story books to teach about environmental conservation. (2) Design: the researcher makes a grid of picture story books. (3) Develop: the researcher makes a picture story book based on the grid, validates the picture story book and revises the picture story book based on the validator's input. (4) Implement: the researcher conducted a limited trial on three fourth grade elementary school students. (5) Evaluate: the researcher evaluates the quality of the picture story books after the limited trial.*

*The validation results from two validators, namely biology lecturers and fourth grade elementary school teachers, got an average score of 3.28 (from a range of values 1-4) meaning "Very Good." And the test results of the quality of picture story books on three fourth grade students got an average score of 3.78 which means "Very Good." So this picture story book is suitable for use by class IVSD teachers to teach theme 3 "Care for Living Creatures" Sub-theme 3 "Let's Love the Environment" learning 1.*

**Keywords:** environmental education, livestock waste management, picture story books