

ABSTRAK

**PENGEMBANGAN MEDIA PEMBELAJARAN *POP-UP BOOK* PADA
TOPIK BENCANA ALAM GUNUNG MELETUS UNTUK MELATIH
LITERASI SAINS KELAS IV SD**

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Penelitian ini bertujuan untuk mengembangkan media pembelajaran berupa *pop-up book* pada topik “Bencana Alam Gunung Meletus” guna melatih literasi sains siswa kelas IV SD. Latar belakang penelitian ini adalah rendahnya literasi sains di Indonesia berdasarkan hasil PISA 2022 yang menunjukkan skor Indonesia masih berada di bawah rata-rata dunia. Metode penelitian yang digunakan adalah *Research and Development (R&D)* dengan model pengembangan ADDIE (*Analysis, Design, Development, Implementation, Evaluation*). Penelitian ini melibatkan empat validator produk sebagai *expert judgment* dan 13 siswa kelas IV SD untuk uji coba terbatas. Hasil penelitian menunjukkan bahwa 1) *pop-up book* berjudul “Letusan Gunung: Fenomena Alam yang Menakjubkan” untuk melatih literasi sains telah dikembangkan menggunakan langkah-langkah ADDIE, 2) Kualitas *pop-up book* berdasarkan hasil validasi adalah sangat baik dengan skor rata-rata 3,49 (maksimal 4). Hasil uji coba menunjukkan peningkatan literasi sains siswa sebesar 47,5%. Media *pop-up book* ini layak digunakan sebagai salah satu alternatif media pembelajaran inovatif dalam meningkatkan literasi sains siswa sekolah dasar. Kegiatan lain dapat dilakukan bersamaan dengan penggunaan *pop-up book* untuk memperkuat literasi sains misalnya observasi langsung melalui studi lapangan atau melakukan penyelidikan berbasis *inquiry*.

Kata Kunci : *Pop-up Book*, Gunung Meletus, Literasi Sains

ABSTRACT

**DEVELOPMENT OF POP-UP BOOK LEARNING MEDIA ON THE TOPIC
OF VOLCANIC ERUPTION NATURAL DISASTERS TO TRAIN SCIENCE
LITERACY OF GRADE IV ELEMENTARY SCHOOL STUDENTS**

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This study aims to develop learning media in the form of a pop-up book with the topic "Natural Disasters of Volcanic Eruptions" to train the scientific literacy of fourth grade elementary school students. The background of this study is the low scientific literacy in Indonesia based on the results of PISA 2022 which shows that Indonesia's score is still below the world average. The research method used is Research and Development (R&D) with the ADDIE (Analysis, Design, Development, Implementation, Evaluation) development model. This study involved four product validators as expert assessments and 13 fourth grade elementary school students for limited trials. The results of the study showed that 1) a pop-up book entitled "Mountain Eruptions: Amazing Natural Phenomena" to train scientific literacy has been developed using ADDIE steps, 2) The quality of the pop-up book based on the validation results is very good with an average score of 3.49 (maximum 4). The trial results showed an increase in students' scientific literacy by 47,5 %. This pop-up book media is worthy of being used as an alternative innovative learning media in improving the scientific literacy of elementary school students. Other activities can be carried out simultaneously with the use of pop-up books to strengthen scientific literacy, for example direct observation through field studies or conducting inquiry-based investigations.

Keywords: Pop-up Book, Volcanic Eruption, Science Literacy