

## ABSTRAK

**PENGEMBANGAN MODUL BERBASIS *POP-UP BOOK* SEBAGAI  
MEDIA PEMBELAJARAN PADA MATERI PENCEMARAN  
LINGKUNGAN UNTUK KELAS VII SMP**

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Pembelajaran IPA menekankan pada pemberian pengalaman untuk mengembangkan kompetensi agar mampu menjelajahi dan memahami alam disekitar. Berdasarkan hasil wawancara survei kebutuhan di empat sekolah menunjukkan bahwa materi pencemaran lingkungan memiliki materi yang luas. Luasnya materi terkadang menjadi kurang dilakukan pendalaman, sehingga pembelajaran menjadi kurang menarik dan kurang memotivasi siswa. Maka perlu media pembelajaran yang menarik dan memudahkan siswa dalam memahami dan mendalami materi seperti menggunakan media modul berbasis *pop-up book*. Tujuan penelitian ini adalah untuk mengetahui bentuk desain modul berbasis *pop-up book* pada materi pencemaran lingkungan serta mengetahui kualitas dan kelayakan pengembangan modul berbasis *pop-up book* sebagai media pembelajaran pada materi pencemaran lingkungan untuk kelas VII SMP.

Jenis penelitian yang digunakan adalah *Research and Development (R&D)* berdasarkan prosedur Sugiyono. Peneliti mengadaptasi lima dari 10 tahap penyederhanaan model pengembangan meliputi 1) potensi dan masalah, 2) pengumpulan data, 3) rancangan produk, 4) validasi produk dan 5) revisi desain. Produk tersebut divalidasi oleh empat validator yaitu ahli materi, ahli media, dan dua guru IPA kelas VIII. Data yang diperoleh diolah menggunakan analisis kuantitatif dan kualitatif.

Pengembangan modul berbasis *pop-up book* memiliki bentuk 2 dimensi dan tergolong jenis *pop-up transformation* dan *pull-tabs*. Berdasarkan hasil validator, produk tergolong dalam kategori “Sangat Baik” (rata-rata skor 3,65). Berdasarkan data kualitatif dapat disimpulkan bahwa media modul berbasis *pop-up book* memiliki kualitas yang baik dan layak untuk diujicoba secara terbatas dengan revisi.

**Kata Kunci :** Pembelajaran IPA, Pencemaran lingkungan, RnD, Modul Berbasis *Pop-Up Book*.

**ABSTRACT*****DEVELOPMENT OF POP-UP BOOK-BASED MODULE AS A LEARNING MEDIA IN ENVIRONMENTAL POLLUTION MATERIALS FOR CLASS VII OF JUNIOR HIGH SCHOOL***

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*Science learning emphasizes providing experience to develop competencies in order to be able to explore and understand the natural surroundings. Based on the results of the interviews with the needs survey in four schools, it was shown that the material on environmental pollution had a broad range of materials. The breadth of the material sometimes becomes insufficient in depth, so that learning becomes less attractive and less motivating for students. So it needs learning media that is attractive and makes it easier for students to understand and explore material such as using based module media pop-up book-. The purpose of this study was to determine the form of based module design pop-up book- on environmental pollution material and to determine the quality and feasibility of developing a based module pop-up book as a learning medium on environmental pollution material for grade VII SMP.*

*The type of research used is Research and Development (R&D) based on the Sugiyono procedure. The researcher adapted five of the 10 stages of simplifying the development model including 1) potentials and problems, 2) data collection, 3) product design, 4) product validation and 5) design revision. The product was validated by four validators, namely a material expert, a media expert, and two class VIII science teachers. The data obtained were processed using quantitative and qualitative analysis.*

*The development of a based module pop-up book has a 2-dimensional shape and is classified as a pop-up transformation and pull-tabs type. Based on the results of the validator, the product belongs to the "Very Good" category (average score of 3.65). Based on the qualitative data, it can be concluded that the based module media pop-up book- has good quality and is feasible to be tested on a limited basis with revisions.*

**Keywords:** *Natural Science Learning, Environmental Pollution, RnD, Based Module Pop-Up Book.*