

ABSTRAK

FARHAH MILLATY KAMALYA: Pengembangan Komik Sains sebagai Bahan Ajar Berbasis Pendekatan Saintifik pada Materi Perubahan Lingkungan.

Bahan ajar diperlukan untuk membantu guru dan siswa dalam melaksanakan pembelajaran. Bahan ajar yang baik harus dikembangkan melalui penelitian dan pengembangan terlebih dahulu.

Tujuan penelitian ini adalah untuk mendeskripsikan tahapan pengembangan, menganalisis hasil uji kelayakan, dan menganalisis respon siswa terhadap penggunaan bahan ajar komik sains pada materi perubahan lingkungan.

Metode penelitian yang digunakan adalah *Research and Development (R&D)* dengan tahapan *Define, Design, dan Development (3-D)*. Instrumen yang digunakan dalam penelitian dan pengembangan ini berupa lembar uji validasi bahan ajar komik sains dan lembar angket respon siswa terhadap penggunaan bahan ajar komik sains. Penelitian ini dilaksanakan di Universitas Islam Negeri Sunan Gunung Djati dan SMAN 27 Bandung dari bulan Februari – Agustus 2019.

Hasil penelitian menunjukkan bahwa persentase hasil uji validasi bahan ajar secara keseluruhan sebesar 91%, dengan persentase aspek kelayakan isi, aspek kebahasaan, aspek sajian, dan aspek kegrafisan sebesar 94%, 88%, 93%, dan sebesar 88%. Respon siswa terhadap penggunaan bahan ajar komik sains pada materi perubahan lingkungan memperoleh persentase secara keseluruhan sebesar 79%.

Berdasarkan hasil uji validasi dan respon siswa, maka dapat disimpulkan bahwa bahan ajar komik sains pada materi perubahan lingkungan sangat valid, mendapat respon yang positif dan layak digunakan dalam pembelajaran materi perubahan lingkungan.

Kata Kunci: Bahan Ajar, Komik Sains, Pengembangan, Perubahan Lingkungan

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ABSTRACT

Teaching materials are needed to help teachers and students carry out learning. Good teaching materials must be developed through research and development first.

The purpose of this research is to describe the stages of development, analyze the results of the feasibility test, and analyze students' responses to the use of science comic teaching materials on environmental change material.

The research method used is Research and Development (R&D) with Define, Design, and Development (3-D) stages. The instrument used in this research and development was in the form of validation test sheets for science comic teaching materials and questionnaire sheets for students' responses to the use of science comic teaching materials. This research was conducted at Sunan Gunung Djati State Islamic University and SMAN 27 Bandung from February - August 2019.

The results showed that the percentage from results of the validation of teaching materials was 91%, with a percentage of content eligibility aspects, linguistic aspects, presentation aspects, and graphic aspects as many as 94%, 88%, 93%, and 88%. Student responses to the use of science comic teaching materials on environmental change material obtained an overall percentage of 79%.

These results can be concluded that science comic teaching materials on environmental change material are very valid, get a positive response, and can be used in learning environmental change material.

Keywords: *Development, Environmental Change, Science Comics, Teaching Material.*

