

ABSTRAK

ENSIKLOPEDIA SAINS UNTUK SISWA KELAS VIII DI MTs. SUNAN GIRI

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Ensiklopedia Sains ini disusun berdasarkan permasalahan yang didapatkan dari kegiatan observasi. Berdasarkan hasil observasi, MTs. Sunan Giri telah menerapkan kurikulum 2013, namun buku yang digunakan masih berbasis KTSP. Siswa menyatakan bahwa mereka sulit memahami materi IPA, ketika terdapat beberapa istilah/kata di buku pelajaran IPA yang belum dapat dipahaminya. Siswa membutuhkan buku yang berisi uraian ringkas mengenai suatu kata/istilah IPA, yang dilengkapi dengan adanya gambar berwarna dan isi babnya tersusun urut berdasarkan abjad. Salah satu inovasi yang dapat dilakukan melalui pengembangan sumber belajar berupa ensiklopedia sains. Jenis penelitian ini termasuk penelitian dan pengembangan (*R&D*). Penelitian pengembangan ini bertujuan untuk mengetahui kelayakan dan respon siswa terhadap produk ensiklopedia sains yang dihasilkan. Model penelitian yang digunakan ialah model *4D*. Teknik pengumpulan data yang digunakan dengan menggunakan instrumen penelitian, meliputi instrumen kelayakan materi, desain dan respon siswa. Analisis data menggunakan analisis data kuantitatif. Hasil penilaian kelayakan produk dihasilkan data bahwa kelayakan aspek materi mendapat nilai sebesar 100% dengan kategori sangat layak dan aspek desain mendapat nilai sebesar 100% dengan kategori sangat layak. Hasil respon siswa mendapat nilai sebesar 97,2%. Berdasarkan hasil penilaian kelayakan produk dan respon siswa dapat disimpulkan bahwa ensiklopedia sains yang dihasilkan dinyatakan sangat layak dan sangat baik untuk digunakan sebagai sumber belajar dalam proses pembelajaran IPA kelas VIII SMP/MTs.

Kata Kunci : Ensiklopedia, Sains, *4D*

ABSTRACT

SCIENCE ENCYCLOPEDIA FOR CLASS VIII STUDENTS IN MTs. SUNAN GIRI

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This Science Encyclopedia is arranged based on the problems obtained from the observation activities. Based on observations, MTs. Sunan Giri has implemented the 2013 curriculum, but the book used is still based on KTSP. Students state that it is difficult for them to understand the science material, when there are several terms / words in the science textbook that they cannot understand. Students need a book that contains a brief description of a word / term science, which is equipped with a colored picture and the contents of the chapter are arranged in alphabetical order. One innovation that can be done through the development of learning resources in the form of a science encyclopedia. This type of research includes research and development (*R&D*). This research development aims to determine the feasibility and response of students to the resulting science encyclopedia. The research model used is the *4D* model. Data collection techniques used by using research instruments, including instruments of material appropriateness, design and student responses. Data analysis uses quantitative data analysis. The results of evaluating the feasibility of the product produced data that the feasibility of the material aspects received a value of 100% with a very decent category and the design aspect got a value of 100% with a very decent category. The results of student responses scored 97.2%. Based on the results of the product feasibility assessment and student responses it can be concluded that the resulting science encyclopedia was declared to be very feasible and very good to be used as a learning resource in the learning process of science class VIII SMP / MTs.

Keywords: Encyclopedia, Science, *4D*