

Ainun Alfi Nurjanah. 2024. *Pengembangan Modul IPA Tipe Webbed Tema Letusan Gunung Berapi untuk Meningkatkan Literasi Sains Siswa*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing : Wiwin Puspita Hadi.

ABSTRAK

Tujuan penelitian ini adalah untuk mengetahui kelayakan, respon siswa, keterbacaan produk, dan peningkatan literasi sains siswa SMP Negeri 1 Kamal di Banyu Ajuh, Kecamatan Kamal, Kabupaten Bangkalan pada materi struktur bumi dan perkembangannya. Penelitian ini menggunakan jenis penelitian *Research and Development* (RnD) dengan desain pengembangan ADDIE yang menggunakan *One Group Pretest-Posttest Design*. Sampel Sebanyak 26 siswa di kelas VIII tahun pelajaran 2023/2024. Pengambilan sampel menggunakan teknik *purposive sampling*. Data dikumpulkan dengan angket dan dokumentasi. Hasil penelitian menunjukkan bahwa modul IPA tipe *webbed* tema Letusan Gunung Berapi layak digunakan dalam proses pembelajaran karena validasi materi dan validasi media memperoleh hasil validitas sangat tinggi. Respon siswa memperoleh 78,16% yang masuk dalam kategori sangat positif, keterbacaan modul 75,23 % yang masuk dalam kategori sangat baik dan skor rata-rata kemampuan literasi sains siswa pada *pretest* 39,31, sedangkan *posttest* 81,62 dengan adanya peningkatan kemampuan literasi sains yang ditandai oleh nilai *N-Gain* sebesar 0,7 berkategori sedang. Penelitian ini menunjukkan bahwa modul IPA tipe *webbed* tema Letusan Gunung Berapi dapat meningkatkan literasi sains siswa kelas VIII.

Kata kunci: Literasi sains, modul IPA tipe *webbed*, struktur bumi

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ABSTRACT

The aim of this research is to determine the feasibility, student response, product readability, and increase students' scientific literacy at Kamal 1 State Junior High School in Banyu Ajuh, Kamal District, Bangkalan Regency on the subject of earth structure and its development. This research uses Research and Development (RnD) research with an ADDIE development design that uses One Group Pretest-Posttest Design. Sample: 26 students in class VIII for the 2023/2024 academic year. Sampling used purposive sampling technique. Data was collected by questionnaires and documentation. The results showed that the webbed type science module with the theme Volcanic Eruptions is suitable for using in the learning process because material validation and media validation obtained high validity results. Student responses obtained 78.16% which was in the very positive category, module readability was 75.23% which was included in the very good category and the average score of students' scientific literacy abilities on the pretest was 39.3 while the posttest was 81.62 with an increase in scientific literacy abilities as indicated by an N-Gain value of 0.7 in the medium category. The research concluded that the webbed type science module with the theme Volcanic Eruptions can increase the scientific literacy of class VIII students.

Key words: earth structure, scientific literacy, webbed type science module