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ABSTRAK

Penelitian ini bertujuan untuk melakukan pengembangan LKPD berbantuan *mind map* pada materi pencemaran lingkungan. LKPD berbantuan *mind map* yang terdapat materi dan kegiatan-kegiatan yang melibatkan lingkungan dalam belajar. Selain itu untuk mengetahui kelayakan media, kelayakan materi, kelayakan keterbacaan, dan kelayakan respon peserta didik. Jenis penelitian yang digunakan adalah penelitian pengembangan dengan desain 4-D (*Define, Design, Development, dan Dessiminate*). Penelitian ini dilakukan di SMP Negeri 3 Kamal di Kabupaten Bangkalan pada semester genap 2022/2023. Sampel penelitian yang digunakan 17 peserta didik. Sampel diambil dari teknik random sampling. Data yang dianalisis terkait validitas media, validitas materi, keterbacaan peserta didik, dan respon peserta didik. Hasil validasi media sebesar 83,33% dengan kriteria cukup valid. Hasil validasi materi sebesar 90,83% dengan kriteria sangat valid. Hasil persentase keterbacaan peserta didik sebesar 88,89% dengan kriteria sangat valid, dan hasil persentase respon peserta didik sebesar 77,78% dengan kriteria cukup valid. Berdasarkan analisis yang telah dilakukan diketahui bahwa LKPD berbantuan *mind map* dapat digunakan dalam pembelajaran materi pencemaran lingkungan.

Kata kunci : 4-D, LKPD, *Mind Map*, Pencemaran lingkungan

Ulil Maghfiroh. 2023. *Development of Student Worksheet assisted by Mind Map on Environmental Pollution Material*. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo Madura University. Advisor : Aida Fikriyah

ABSTRACT

This study aims to develop a mind map-based Student Worksheet on environmental pollution material. LKPD assisted by mind maps which contain materials and activities that involve the environment in learning. In addition to knowing the feasibility of the media, the feasibility of the material, the feasibility of readability, and the feasibility of student responses. The type of research used is development research with a 4-D design (Define, Design, Development, and Dessiminate). This research was conducted at Kamal 3 Public Middle School in Bangkalan Regency in the even semester of 2022/2023. The research sample used was 17 students. Samples were taken from random sampling technique. The data analyzed are related to the validity of the media, the validity of the material, the readability of students, and the responses of students. The media validation results were 83.33% with quite valid criteria. The material validation results were 90.83% with very valid criteria. The students' readability percentage was 88.89% with very valid criteria, and the students' response percentage was 77.78% with quite valid criteria. Based on the analysis that has been done, it is known that mind map based Student Worksheet can be used in learning environmental pollution material.

Keywords : 4-D, LKPD, Mind Map, Environmental Pollution