

ABSTRAK

Ratih Nimas Santri. NIM. 4183141079. Pengembangan *Booklet* Pencemaran Lingkungan Berbasis Potensi Lokal Kecamatan Tanjung Morawa di MAS YP Haji Datuk Abdullah. Skripsi Jurusan Biologi Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Negeri Medan. 2024

Penelitian ini bertujuan untuk mengetahui tingkat kelayakan, tanggapan guru, tanggapan siswa dan efektivitas sumber belajar berupa *Booklet* Pencemaran Lingkungan berbasis Potensi Lokal berdasarkan ahli materi, ahli pembelajaran dan ahli desain. Jenis penelitian yang akan dilakukan dalam penelitian ini adalah penelitian pengembangan (*Research and Development*). Penelitian ini difokuskan pada pengembangan sumber belajar *booklet* berbasis potensi local pada materi Pencemaran Lingkungan. Model pengembangan yang digunakan adalah model 4D (*Define, Design, Development, and Disseminate*). Teknik pengumpulan data yang digunakan penelitian ini adalah wawancara, observasi, angket atau kuesioner dan Tes. Perolehan penelitian menunjukkan bahwa sumber belajar *booklet* pencemaran lingkungan berbasis potensi lokal yang telah dikembangkan dinyatakan “Sangat Layak” berdasarkan penilaian ahli materi dengan kategori “Sangat Layak” (89,13%), berdasarkan ahli pembelajaran dengan kategori “Sangat Layak” (93,18), dan berdasarkan ahli desain dengan kategori “Sangat Layak” (90,78%), Hasil efektivitas kategori baik yang berarti *Booklet* berbasis potensi lokal yang dikembangkan efektif dalam meningkatkan hasil belajar siswa, yakni terdapat perbedaan antara nilai *pretest* dan *posttest* dengan rata-rata nilai *pretest* 54,22 sedangkan nilai rata-rata *posttest* 84,06 dengan nilai rata-rata N-Gain 0,64.

Kata kunci : Sumber Belajar, *Booklet*, Pencemaran Lingkungan, 4D

ABSTRACT

Ratih Nimas Santri. NIM. 4183141079. Development of an Environmental Pollution Booklet Based on Local Potential in Tanjung Morawa District at MAS YP Haji Datuk Abdullah. Thesis, Department of Biology, Faculty of Mathematics and Natural Sciences. State University of Medan. 2024

This research aims to know the level of feasibility, teacher response, student's response and effectiveness of learning resources in the form of Environmental Pollution Booklets based on Local Potential based on material experts, learning experts and design experts. The type of research that will be carried out in this study is development research (Research and Development). This research is focused on developing booklet learning resources based on local potential on Environmental Pollution material. The development model used is the 4D model (Define, Design, Development, and Disseminate). The data collection techniques used in this research are interviews, observations, questionnaires or questionnaires and tests. The research results show that the local potential-based environmental pollution booklet learning resources that has been developed is declared "Very Feasible" based on the assessment of material experts with the category "Very Feasible" (89.13%), based on learning experts with the category "Very Feasible" (93.18), and based on design experts with the category "Very Feasible" (90, 78%), the results of the effectiveness of the good category which means that the local potential-based booklet developed is effective in improving student learning outcomes, namely there is a difference between pretest and posttest scores with an average pretest score of 54.22 while the average posttest score is 84.06 with an average N-Gain value of 0.64.

Keywords: Learning Resources, Booklet, Environmental Pollution, 4D

