

ABSTRAK

Laia, Aldin Putra Jaya, 212111001, Pengembangan Modul Berbasis Inkuiri Pada Materi Sistem Peredaran Darah Manusia Di UPTD VIII SMP Negeri 4 Gunungsitoli Selatan. Skripsi. Program Studi Pendidikan Biologi. Universitas Nias. Pembimbing Novelina Adriani Zega, S.Pd.,M.Pd

Penelitian ini dilatar belakangi dari pengamatan peneliti pada proses pembelajaran di UPTD SMP Negeri 4 Gunungsitoli Selatan, yang selama ini masih tergolong rendah. Hal ini dikarenakan penggunaan bahan ajar berupa modul yang digunakan belum membantu dalam merangsang kemampuan peserta didik dalam merumuskan dan memecahkan masalah. Penelitian ini bertujuan untuk (1) Menghasilkan modul berbasis inkuiri pada materi sistem peredaran darah manusia kelas VIII SMP; (2). kelayakan modul berbasis inkuiri; (3). kepraktisan modul berbasis inkuiri; (4) menghasilkan efektivitas modul berbasis inkuiri. Jenis penelitian ini adalah penelitian pengembangan dengan menggunakan model 4-D (*define, design, develop, dan disseminate*). Instrumen yang digunakan yaitu (1) Angket penilaian kelayakan modul oleh para validator dan guru bidang studi, (2) Angket respon oleh peserta didik, (3) Tes hasil belajar. Temuan penelitian (1) hasil masing-masing validasi ahli materi dan bidang studi, memperoleh nilai presentase 95% dengan kriteria sangat layak, validasi ahli Bahasa memperoleh nilai presentase 94,% dengan kriteria sangat layak, validitas ahli desain memperoleh nilai presentase 92,7% dengan kriteria sangat layak, dan hasil validitas guru bidang studi memperoleh nilai presentase 95,8%. (2) kepraktisan pada uji coba perseorangan mencapai nilai presentase 98,2% dengan kategori sangat praktis; kepraktisan pada uji coba kelompok kecil memperoleh nilai presentase 98,2%% dengan kategori praktis; kepraktisan pada uji coba lapangan mencapai nilai presentase 99,2% dengan kategori sangat praktis. Efektifitas modul mencapai nilai presentase 93%, kriteria sangat efektif.

Kata kunci : Modul, *Inkuiri*, sistem peredaran darah manusia

ABSTRACT

Laia, Aldin Putra Jaya, 212111001, Development of Inquiry-Based Modules on Human Circulatory System Material at UPTD VIII SMP Negeri 4 Gunungsitoli Selatan. Thesis. Biology Education Study Program. University Nias. Advisor: Novelina Adriani Zega, S.Pd., M.Pd.

This study was motivated by the researcher's observation of the learning process at UPTD SMP Negeri 4 Gunungsitoli Selatan, which has been relatively low. This is because the teaching materials used, in the form of modules, have not been effective in stimulating students' ability to formulate and solve problems. The objectives of this study are: (1) to develop inquiry-based modules on the topic of the human circulatory system for eighth-grade junior high school students; (2) to assess the feasibility of inquiry-based modules; (3) to evaluate the practicality of inquiry-based modules; and (4) to determine the effectiveness of inquiry-based modules. This is a development study using the 4-D model (define, design, develop, and disseminate). The instruments used were (1) a questionnaire to assess the feasibility of the module by validators and subject teachers, (2) a response questionnaire by students, and (3) a learning outcome test. Research findings: (1) The results of each subject matter expert and subject validation obtained a percentage score of 95% with the criterion of highly feasible, language expert validation obtained a percentage score of 94% with the criterion of highly viable, design expert validity obtained a percentage score of 92.7% with the criterion of highly feasible, and subject teacher validity obtained a percentage score of 95.8%. (2) The practicality in individual trials achieved a percentage score of 98.2% with the category of highly practical; the practicality in small group trials obtained a percentage score of 98.2% with the category of practical; the practicality in field trials achieved a percentage score of 99.2% with the category of highly practical. The effectiveness of the module achieved a percentage score of 93%, meeting the criteria for highly effective.

Keywords: Module, Inquiry, human circulatory system

