

ABSTRAK**PENGEMBANGAN MODUL PEMBELAJARAN IPA
MATERI SISTEM PEREDARAN DARAH MANUSIA DAN HEWAN
UNTUK SISWA KELAS V SEKOLAH DASAR**

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Penelitian ini dilatarbelakangi oleh adanya kebutuhan bahan ajar dalam pembelajaran IPA dengan penjelasan yang lengkap, mudah dipahami dan menarik khususnya materi sistem peredaran darah manusia dan hewan. Penelitian ini bertujuan untuk mendeskripsikan prosedur pengembangan modul pembelajaran dan mengetahui kualitas produk modul pembelajaran IPA materi sistem peredaran darah manusia dan hewan untuk siswa kelas V sekolah dasar.

Penelitian ini menggunakan jenis penelitian *research and development (R&D)*. Prosedur pengembangan lima langkah ADDIE yaitu analisis (*Analyze*), perancangan (*Design*), pengembangan (*Development*), implementasi (*Implementation*), dan evaluasi (*Evaluation*). Teknik pengumpulan data pada penelitian ini menggunakan wawancara, kuesioner dan tes. Teknik analisis data yang digunakan adalah teknik analisis data kualitatif dan data kuantitatif.

Hasil penelitian menunjukkan bahwa kualitas pengembangan modul pembelajaran IPA materi sistem peredaran darah manusia dan hewan untuk siswa kelas V sekolah dasar berdasarkan hasil validasi oleh 4 orang validator termasuk dalam kategori “sangat baik” dengan skor 3,66 dari skor maksimal 4. Berdasarkan kuesioner tanggapan siswa termasuk kategori “sangat baik” dengan rata-rata skor 3,5 dari skor maksimal 4. Rata-rata skor diperoleh berdasarkan hasil kuesioner tanggapan siswa aspek kemenarikan, pemahaman materi dan kemudahan penggunaan. Hasil uji coba terbatas kepada 4 siswa menunjukkan bahwa nilai rata-rata *pretest* sebesar 46,65 dan nilai *posttest* yaitu 80,5 terjadi peningkatan rata-rata 33,85 dengan persentase sebesar 72,56 %. Hal ini menunjukkan bahwa penggunaan modul pembelajaran peredaran darah manusia dan hewan dapat meningkatkan hasil belajar siswa serta membantu siswa dalam memahami materi.

Kata kunci: penelitian dan pengembangan, modul pembelajaran IPA, sistem peredaran darah manusia dan hewan.

ABSTRACT**DEVELOPMENT OF SCIENCE LEARNING MODULE ON THE HUMAN AND ANIMAL BLOOD CIRCULATION SYSTEM FOR FIFTH GRADE ELEMENTARY SCHOOL STUDENTS**

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This research's background by the need for teaching materials in science learning with complete, easy to understand and interesting explanations, especially the material for human and animal circulatory systems. This research aims to describe the procedure of development learning modules and to determine the product quality of science learning modules of the human and animal's circulatory system for fifth grade of elementary school students.

This research applied the "research and development research" (R&D). The five-steps of ADDIE development procedure are Analyze, Design, Development, Implementation; and Evaluations. The Data collection techniques applied in this research are interviews, questionnaires and tests. The Data analysis techniques used are qualitative and quantitative data analysis techniques.

The results showed that the quality of the science learning module development for human and animal blood circulatory system material for the fifth grade elementary school students based on the validation result by 4 validators was included in "very good" category with a score of 3.66 from a maximum score of 4. While based on the students' responses questionnaire was included in the "very good" category with an average score of 3.5 out of a maximum score of 4. The average score was obtained based on the results of the students' responses questionnaire of attractiveness, understanding of the material and ease of use aspects. The results of the limited trial to 4 students indicated that the average score of the pre-test was 46.65 and the post-test score was 80.5. There is an average increase of 33.85 with a percentage of 72.56%. It demonstrated that the application of learning modules of human and animal circulatory system is able to improve students' learning outcomes and help the students in understanding the material.

Keywords: *research and development, science learning module, human and animal circulatory system.*