

ABSTRAK

PENGEMBANGAN MODUL PEMBELAJARAN BERBASIS HOTS PADA MATERI ALAT GERAK DAN SISTEM GERAK HEWAN DAN MANUSIA UNTUK SISWA KELAS V SD

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2024

Penelitian ini dilatar belakangi belum tersedianya bahan ajar yang dapat membantu guru memfasilitasi siswa untuk berpikir tingkat tinggi. Tujuan penelitian ini adalah untuk mengembangkan dan mendeskripsikan kualitas modul pembelajaran IPA berbasis HOTS pada materi alat gerak dan sistem gerak hewan dan manusia kelas V sekolah dasar.

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

Hasil penelitian menunjukkan kualitas modul pembelajaran IPA berbasis HOTS pada materi alat gerak dan sistem gerak hewan dan manusia berdasarkan hasil validasi oleh 3 validator termasuk dalam kategori “sangat baik” dengan skor 3,54 dari skor maksimal 4. Melalui kuesioner tanggapan siswa diperoleh skor rata-rata sebesar 3,4 dari skor maksimal 4. Hasil uji coba menunjukkan bahwa nilai rata-rata *pretest* 51,57 dan *posttest* memperoleh skor sebesar 72,84 peningkatan hasil *pretest* dan *posttest* yaitu 41.24%. Hasil ini menunjukkan bahwa penggunaan modul pembelajaran IPA berbasis *higher order thinking skills* materi alat gerak dan sistem gerak hewan dan manusia dapat membantu siswa dalam memahami materi sesuai dengan kebutuhan.

Kata kunci: penelitian pengembangan, modul pembelajaran IPA, alat gerak dan sistem gerak hewan dan manusia, HOTS.

ABSTRACT

DEVELOPMENT OF A HOTS-BASED LEARNING MODULE ON ANIMAL AND HUMAN MOVEMENT TOOLS AND MOVEMENT SYSTEMS FOR CLASS V SD STUDENTS

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This research was motivated by the lack of open materials that could help teachers improve students' higher-order thinking skills. The aim of this research is to develop and describe the quality of HOTS-based science learning modules on locomotor materials and animal and human locomotion systems for class V elementary schools.

This research uses research and development (R&D) research. ADDIE's five-step development procedure is Analysis, Design, Development, Implementation and Evaluation. Data collection techniques in this research used interviews, questionnaires and tests. The data analysis techniques used are qualitative data analysis techniques and quantitative data.

The results of this research show that the quality of the HOTS-based science learning module on locomotor material and animal and human locomotion systems based on validation results by 3 validators is included in the "very good" category with a score of 3.54 out of a maximum score of 4. The questionnaire called for students to obtain an average score of an average of 3.4 from a maximum score of 4. The trial results showed that the average pretest score was 51.57 and the posttest obtained a score of 72.84, an increase in the pretest and posttest results, namely 41.24%. These results indicate that the use of science learning modules based on high-level thinking skills as material on locomotion and movement systems of animals and humans can help students understand the material according to their needs.

Keywords: *development research, science learning modules, locomotion and movement systems of animals and humans, HOTS*