PENGEMBANGAN INSTRUMEN PENILAIAN HASIL BELAJAR IPA TEMA 8 BERBASIS *HIGHER ORDER THINKING SKILLS* KELAS V SEKOLAH DASAR

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ABSTRAK

Penelitian ini bertujuan untuk mengembangkan instrument penilaian hasil belajar IPA tema 8 berbasis *Higher Order Thinking Skill* kelas V Sekolah Dasar. Model pengembangan yang digunakan pada penelitian ini adalah model 4D, yang terdiri dari *define, design, develop*, dan *disseminate*. Subyek penelitian ini adalah instrument penilaian hasil belajar IPA berbasis *HOTS* berupa kisi-kisi, dan lembar tes pilihan ganda. Data yang diperoleh menggunakan metode wawancara, observasi, studi dokumen, angket, *rating scale* dan tes. Hasil yang didapatkan akan dianalisis validitas, reliabilitas, daya beda, tingkat kesukaran, kualitas pengecoh, respon praktisi dan respon siswa. Hasil analisis intrumen penilaian hasil belajar berbasis *HOTS* memiliki validitas sebesar 0,93 yang berada pada kategori sangat tinggi, reliabilitas sebesar 0,93 yang berada pada kategori sangat tinggi. Analisis respon praktisi rata-rata skor keseluruhan yaitu 3,69 dengan kategori "Sangat Baik". Analisis respon siswa diperoreh skor rata-rata 3,58 dengan kategori "Sangat Baik". Analisis daya beda 8 butir soal dengan kriteria baik, 8 butir soal dengan kriteria cukup baik, dan 9 butir soal dengan kriteria kurang baik. Analisis tingkat kesukaran mendapatkan hasil sebanyak 1 soal berada pada kategori sukar, 19 soal berada pada kategori mudah, dan 5 soal berada pada kategori sedang. Analisis kualitas pengecoh instrument yang dikembangkan sebanyak 35 pengecoh berada pada taraf >5% yang artinya pengecoh berfungsi dengan baik dan 40 pengecoh berada pada taraf ≤5% yang artinya pengecoh tidak berfungsi dengan baik. Berdasarkan hasil yang di peroleh, menunjukkan instrument penilaian hasil belajar IPA tema 8 berbasis *Higher Order Thinking Skill* kelas V Sekolah Dasar yang dikembangkan valid dan reliabel serta layak digunakan sebagai instrumen penilaian pada materi siklus air.

Kata Kunci: instrumen penilaian hasil belajar IPA, *HOTS*, model 4D.

ABSTRACT

This study aims to develop an assessment instrument for science learning outcomes theme 8 based on Higher Order Thinking Skill class V Elementary School. The development model used in this study is a 4D model, which consists of define, design, develop, and disseminate. The subject of this research is the HOTS-based science learning outcome assessment instrument in the form of a grid, and multiple choice test sheets. The data obtained using interviews, observation, document studies, questionnaires, rating scales and tests. The results obtained will be analyzed for validity, reliability, discriminating power, level of difficulty, quality of distractors, practitioner responses and student responses. The results of the analysis of the HOTS-based learning outcome assessment instrument have a validity of 0.93 which is in the very high category, reliability of 0.93 which is in the very high category. Practitioner response analysis has an average overall score of 3.69 with the "Very Good" category. Analysis of student responses obtained an average score of 3.58 with the "Very Good" category. The analysis of the differentiating power of 8 items with good criteria, 8 items with fairly good criteria, and 9 items with poor criteria. Analysis of the level of difficulty found that 1 question was in the difficult category, 19 questions were in the easy category, and 5 questions were in the medium category. The quality analysis of the distractors developed by 35 distractors was at a level of >5%, which means that the distractors were functioning properly and 40 of the distractors were at the level of 5%, which meant that the distractors were not functioning properly. Based on the results obtained, it shows that the assessment instrument for science learning outcomes theme 8 based on Higher Order Thinking Skill class V Elementary School which was developed is valid and reliable and suitable to be used as an assessment instrument on water cycle material.

Keywords: science learning outcomes assessment instrument, HOTS, 4D model.