ABSTRAK

DINI ROZALI. 8226181012. Pengembangan LKPD IPA Model *Inquiry Training* Terhadap Kemampuan HOTS-Literasi Sains Siswa Kelas V Sekolah Dasar Negeri 060874 Medan. Tesis. Pendidikan Dasar Program Pascasarjana Universitas Negeri Medan. 2024

Penelitian ini dilatar belakangi dengan adanya aktivitas belajar yang belum maksimal sebab tidak memberi ruang kepada peserta didik agar aktif memperoleh konsep pembelajaran sehingga belum merangsang berpikir tingkat tinggi (HOTS) siswa. Serta pembelajaran IPA yang dilaksanakan belum menuntut siswa untuk bisa mengembangkan kecakapan pemecahan permasalahan sebagai kemampuan literasi karena pada proses belajar guru belum menggunakan LKPD. Penelitian ini bertujuan untuk mengetahui Kevalidan, Keefektifan, dan Kepraktisan LKPD IPA Berbasis *Inquiry Training* yang telah dikembangkan. Penelitian ini merupakan penelitian pengembangan dengan model pengembangan ADDIE dengan subjek penelitiannya siswa-siswi kelas V SDN 060874 Medan. Instrumen penelitian menggunakan lembar angket validasi, angket respon dan tes kemampuan HOTS-Literasi Sains. Adapun hasil penelitian yang diperoleh yaitu: 1) LKPD IPA yang dikembangkan dinyatakan valid, efektif dan praktis dalam proses pembelajaran terhadap kemampuan HOTS-Literasi Sains siswa. 2) Berdasarkan indeks gain ternormalisasi, diperoleh bahwa skor N-Gain sebesar 0,6 dengan kategori sedang sehingga dimaknai cukup efektif dalam meningkatkan kemampuan HOTS-Literasi Sains. 3) Berdasarkan uji *one sample t-test* menunjukkan $t_{hitung} > t_{tabel}$ yaitu 3,057 > 1,711, sehingga disimpulkan H_a diterima artinya nilai HOTS-Literasi sains siswa lebih besar dari nilai KKM sebesar 70 setelah pembelajaran menggunakan LKDP IPA Berbasis *Inquiry Training*.

Kata Kunci: HOTS-Literasi Sains, Ilmu Pengetahuan Alam, Inquiry Training, , Model ADDIE.

ABSTRACT

DINI ROZALI. 8226181012. Development of Science Student Worksheets Inquiry Training Model on the HOTS-Science Literacy Ability of Class V Students of State Elementary School 060874 Medan. Thesis. Basic Education Postgraduate Program of Medan State University. 2024

This research is motivated by the fact that learning activities have not been optimal because they do not provide space for students to actively acquire learning concepts, thereby not stimulating students' higher-order thinking skills (HOTS). Additionally, science learning activities have not yet required students to develop problem-solving skills as a literacy ability because, during the learning process, teachers have not used student worksheets (LKPD). This study aims to determine the validity, effectiveness, and practicality of the inquiry training-based science LKPD that has been developed. This research is a development study using the ADDIE development model, with the subjects being the fifth-grade students of SDN 060874 Medan. The research instruments used include validation questionnaire sheets, response questionnaires, and HOTS-Science Literacy ability tests. The results obtained from the study are as follows: 1) The developed inquiry training-based science LKPD is declared valid, effective, and practical in the learning process for enhancing students' HOTS-Science Literacy abilities. 2) Based on the normalized gain index, it is found that the N-Gain score is 0.6, which falls into the moderate category, indicating that it is quite effective in improving HOTS-Science Literacy abilities. 3) Based on the one-sample t-test, it shows that $t_{hitung} > t_{tabel}$, which is $3.057 > 1.711$, thus concluding that H_a is accepted, meaning that students' HOTS-Science Literacy scores are higher than the minimum completeness criteria (KKM) score of 70 after learning using the inquiry training-based science LKPD.

Keywords: ADDIE Model, Development of Student Worksheets, HOTS-Science Literacy, Inquiry Training, Sciences.