

ABSTRAK

MEGAWATI. 8166181015. Pengembangan Lembar Kerja Siswa Berbasis Keterampilan Proses Sains (KPS) Untuk Meningkatkan Kemampuan Berpikir Tingkat Tinggi Pada Tema Lingkungan Sahabat Kita Di Sekolah Dasar Wilayah 15 Kecamatan Percut Sei Tuan.

Penelitian ini bertujuan untuk mengetahui: (1) Kelayakan LKS berbasis keterampilan proses sains; (2) Efektivitas LKS berbasis keterampilan proses sains; (3) Peningkatan kemampuan berpikir tingkat tinggi yang diajarkan dengan menggunakan LKS berbasis keterampilan proses sains. Penelitian ini dilaksanakan di kelas V Sekolah Dasar wilayah 15 Kecamatan Percut Sei Tuan Kabupaten Deli Serdang. Penelitian ini merupakan penelitian *Research & Development* (R&D) meliputi *Define* (pendefinisian), *Design* (Perancangan), *Develop* (pengembangan), dan *Disseminate* (penyebaran). Desain LKS menggunakan uji coba kelompok kecil, uji coba kelompok menengah dan uji kelompok besar yang dilakukan di SDS Nurul Hasanah Tembung. Data telah diverifikasi oleh 3 dosen ahli materi, 2 dosen ahli desain instruksional LKS, siswa dan guru. Hasil penelitian menunjukkan bahwa validasi ahli materi adalah 96% dengan kategori sangat layak, validasi ahli desain instruksional adalah 95% dengan kategori sangat layak. Respon siswa terhadap LKS pada uji coba kelompok besar memperoleh nilai rata-rata sebesar 92% pada kategori sangat dapat diterapkan. Respon guru pada uji coba kelompok menengah mempunyai rata-rata nilai 100% dengan kategori sangat dapat diterapkan. Berdasarkan hasil perhitungan Ngain Score, nilai rata-rata kelas eksperimen sebesar 74,80 dengan kategori cukup efektif lebih besar dibandingkan nilai rata-rata kelas kontrol yakni 34,04 dengan kategori tidak efektif. Kemampuan berpikir tingkat tinggi pada tahap *disseminate* yang dilakukan di 3 sekolah yakni SDN 101768 Tembung, SDN 101770 Tembung, dan SD Swasta Tunas Bangsa memiliki nilai rata-rata sebesar 93,33% pada kategori sangat tinggi. Nilai rata-rata keterampilan proses sains pada tahap *disseminate* memperoleh nilai rata-rata sebesar 87,85 pada kategori baik. Hal ini menunjukkan bahwa penggunaan lembar kerja siswa berbasis keterampilan proses sains sangat efektif untuk meningkatkan kemampuan berpikir tingkat tinggi.

Kata Kunci : Lembar kerja siswa berbasis keterampilan proses sains, kemampuan berpikir tingkat tinggi.

ABSTRACT

MEGAWATI. 8166181015. Development of Student Worksheets Based on Science Process Skills to Increase Higher-Order Thinking Abilities in Our Friends' Environmental Themes in Elementary School Region 15 Percut Sei Tuan District.

This study aims to determine: (1) The feasibility of student worksheets based on science process skills; (2) The effectiveness of student worksheets based on science process skills; (3) Improvement of higher-order thinking skills taught by using worksheets based on science process skills. This research was conducted in class V Elementary School region 15 Percut Sei District, Deli Serdang Regency. This research is a Research & Development (R&D) research covering Define, Design, Develop, and Disseminate. The student worksheet design uses a small group trial, a medium group trial and a large group test conducted at the private primary school Nurul Hasanah Tembung. The data was verified by 3 material expert lecturers, 2 instructor design instructional worksheets for students, students and teachers. The results showed that the validation of material experts was 96% with a very decent category, the validation of instructional design experts was 95% with a very feasible category. Student responses to student worksheets in large group trials received an average value of 92% in the highly applicable category. Teacher responses to the middle group trials have an average value of 100% with a very applicable category. Based on the results of the Ngain Score calculation, the average value of the experimental class is 74.80 with a quite effective category is greater than the average value of the control class that is 34.04 with an ineffective category. The ability to think at a high level at the disseminate stage carried out in 3 schools namely 101768 Tembung public elementary schools, 101770 Tembung public elementary schools, and Tunas Bangsa Private elementary schools had an average rating of 93.33% in the very high category. The average value of science process skills at the disseminate stage obtained an average value of 87.85 in either category. This shows that the use of student worksheets based on science process skills is very effective for improving higher order thinking skills.

Keywords: Student worksheets based on science process skills, higher order thinking skills.