

Mardo Tilla, 2024. Pengembangan LKPD Berbasis Inkuiri Terbimbing Terhadap Keterampilan Proses Sains Materi Wujud Zat dan Perubahannya Kelas IV di SDN Tlonto Ares Kabupataen Pamekasan, Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Bagus Rahmad Wijaya, S.Pd., M.Pd

ABSTRAK

Penelitian dan pengembangan LKPD ini dilatarbelakangi oleh kurangnya bahan ajar pendukung yang digunakan dalam pembelajaran, model pembelajaran yang tidak sesuai dengan karakteristik peserta didik serta keterampilan proses sains yang rendah. Penelitian ini merupakan penelitian R&D. Tujuan dari penelitian ini adalah untuk mengetahui kevalidan, kepraktisan, dan keefektifan LKPD Berbasis Inkuiri Terbimbing Terhadap Keterampilan Proses Sains Materi Wujud Zat dan Perubahannya Kelas IV di SDN Tlonto Ares Kabupataen Pamekasan. Model pengembangan yang digunakan adalah 4D yang terdiri dari tahap *define*, *design*, *develop* dan *disseminate*. Subjek yang digunakan dalam penelitian ini adalah 27 peserta didik kelas IV SDN Tlonto Ares. Proses validasi memperoleh hasil antara lain (1) ahli bahan ajar sebesar 97% dikategorikan sangat valid; (2) ahli desain pembelajaran sebesar 85% dikategorikan sangat valid; (3) ahli bahan ajar memperoleh nilai sebesar 95% dikategorikan sangat valid. Kepraktisan diperoleh dari hasil observasi aktivitas guru dan peserta didik dari pertemuan 1 sampai pertemuan 3, hasil observasi aktivitas guru memperoleh presentase 97,77%, hasil observasi aktivitas peserta didik memperoleh presentase 97,77% yang dikategorikan sangat praktis. Keefektifan LKPD diperoleh dari hasil belajar peserta didik memperoleh persentase 100% tuntas dalam kriteria ketuntasan maksimum, memperoleh persentase 100% dalam kriteria ketuntasan klasikal belajar dan angket respon guru memperoleh 98% dan angket respon peserta didik pada uji kelompok besar dengan memperoleh 98,51% dalam kategori sangat efektif. Hal tersebut menunjukkan bahwa LKPD Berbasis Inkuiri Terbimbing Terhadap Keterampilan Proses Sains Materi Wujud Zat dan Perubahannya Kelas IV di SDN Tlonto Ares Kabupataen Pamekasan valid, praktis dan efektif untuk digunakan dalam proses pembelajaran.

Kata Kunci: LKPD, Inkuiri Terbimbing, Keterampilan Proses Sains

Mardo Tilla, 2024. *Development of Guided Inquiry-Based Worksheets on Material Science Process Skills in the Form of Substances and Their Changes Class IV at SDN Tlonto Ares, Pamekasan Regency*, Thesis, Primary School Teacher Education Study Program, Faculty of Education, Trunojoyo University Madura. Supervisor: Bagus Rahmad Wijaya, S.Pd., M.Pd

ABSTRACT

The research and development of LKPD is motivated by the lack of supporting teaching materials used in learning, learning models that are not in accordance with the characteristics of students and low science process skills. This research is an R&D research. The purpose of this study was to determine the validity, practicality, and effectiveness of guided inquiry-based LKPD on the Science Process Skills of Substance Forms and Changes in Class IV at SDN Tlonto Ares Pamekasan Regency. The development model used is 4D which consists of define, design, develop and disseminate stages. The subjects used in this study were 27 fourth grade students of SDN Tlonto Ares. The validation process obtained results including (1) teaching material experts at 97% categorized as very valid; (2) learning design experts at 85% categorized as very valid; (3) teaching material experts obtained a score of 95% categorized as very valid. Practicality is obtained from the results of observations of teacher and student activities from meeting 1 to meeting 3, the results of observations of teacher activities obtained a percentage of 97.77%, the results of observations of student activities obtained a percentage of 97.77% which is categorized as very practical. The effectiveness of LKPD is obtained from the learning outcomes of students obtaining a percentage of 100% complete in the maximum completeness criteria, obtaining a percentage of 100% in the classical learning completeness criteria and the teacher response questionnaire obtaining 98% and the student response questionnaire in the large group test by obtaining 98.51% in the very effective category. This shows that the guided inquiry-based LKPD on the Science Process Skills of Substance Forms and Changes in Class IV at SDN Tlonto Ares Pamekasan Regency is valid, practical and effective for use in the learning process.

Keywords: LKPD, Guided Inquiry, Science Process Skills