

ABSTRAK

PENGEMBANGAN LKPD BERBASIS PENDEKATAN SAINTIFIK BERNUANSA ISLAMI TERHADAP KEMAMPUAN PEMECAHAN MASALAH MATEMATIS SISWA SMP MUHAMMADIYAH 05 MEDAN

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Penelitian ini bertujuan untuk mengembangkan Lembar Kerja Peserta Didik (LKPD) berbasis pendekatan saintifik bernuansa islami pada materi pokok himpunan yang valid dan efektif untuk membantu meningkatkan kemampuan pemecahan masalah matematis siswa SMP Muhammadiyah 05 Medan. Penelitian ini merupakan jenis penelitian R&D (*Research and Development*). Prosedur pengembangan LKPD menggunakan model ADDIE (*Analysis, Design, Development, Implementation, Evaluation*). Subjek penelitian ini adalah kelas VII A sebagai uji coba II dan kelas VII B sebagai uji coba I.

Berdasarkan hasil penelitian dapat disimpulkan bahwa pengembangan LKPD memenuhi kriteria kevalidan dengan persentase keidealan 80.28% berkategori baik untuk penilaian materi dan persentase keidealan 77.33% berkategori baik untuk penilaian media. Efektivitas LKPD terhadap peningkatan kemampuan pemecahan masalah matematis siswa diperoleh secara signifikanskor persentase kemampuan pemecahan masalah matematis adalah 78.86% dengan persentase klasikal 92.10% pada uji coba I dan skor persentase kemampuan pemecahan masalah sebesar 87.23% dengan persentase secara klasikal 100% pada uji coba II. Respon siswa terhadap pembelajaran positif dengan sebanyak 57.89% yang merespon LKPD dengan kategori baik dan sebanyak 42.11% yang merespon perangkat pembelajaran dengan kategori cukup baik pada uji coba I dan sebanyak 14.29% yang merespon LKPD sangat baik, 74.29% yang merespon LKPD dengan kategori baik, dan 11.42% yang merespon LKPD dengan kategori cukup pada uji coba II.

Kata Kunci: Pengembangan LKPD Bernuansa Islami, Pendekatan Saintifik, Pemecahan Masalah Matematis.

ABSTRACT

LKPD DEVELOPMENT ON ISLAMIC NUANCED BASED ON SCIENTIFIC APPROACH TO MATHEMATICAL PROBLEM SOLVING ABILITY OF STUDENTS OF SMP MUHAMMADIYAH 05 MEDAN

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This study aims to develop a Student Worksheet (LKPD) based on a scientific approach nuanced to the Islamic subject matter that is valid and effective to help improve the mathematical problem solving ability of students of SMP Muhammadiyah 05 Medan. This research is a type of R&D (Research and Development) research. LKPD development procedures use the ADDIE model (Analysis, Design, Development, Implementation, Evaluation). The subjects of this study were class VII A as trial II and class VII B as trial I.

Based on the results of the study it can be concluded that the development of LKPD meets the criteria of validity with the percentage of ideals 80.28% categorized as good for material assessment and percentage of ideals 77.33% categorized as good for media assessment. The effectiveness of LKPD on the improvement of students' mathematical problem solving abilities obtained significantly score percentage of mathematical problem solving ability was 78.86% with a classical percentage of 92.10% in the first trial and a percentage of the problem solving ability by 87.23% with a percentage in the classical 100% in the second trial. Student responses to positive learning with as many as 57.89% who responded to LKPD in the good category and as much as 42.11% who responded to the learning tools in the quite good category in trial I and as much as 14.29% who responded to LKPD very well, 74.29% responded to LKPD in the good category, and 11.42% who responded to LKPD in the sufficient category in trial II.

Keywords: LKPD Development On Islamic Nuanced, Scientific Approach, Mathematical Problem Solving.