

ABSTRAK

PENGEMBANGAN LEMBAR KERJA PESERTA DIDIK BERBASIS PENDEKATAN *OPEN-ENDED* UNTUK MENINGKATKAN KEMAMPUAN BERPIKIR KREATIF MATEMATIK SISWA SMP SWASTA MUHAMMADIYAH 05 MEDAN

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Penelitian ini bertujuan untuk mengembangkan Lembar Kerja Peserta Didik (LKPD) berbasis pendekatan *Open-ended* pada materi pokok himpunan yang valid, efektif, dan praktis untuk membantu meningkatkan kemampuan berpikir kreatif siswa SMP Muhammadiyah 05 Medan. Penelitian ini merupakan jenis penelitian R&D (*Research and Development*). Prosedur pengembangan LKPD menggunakan model 4D (*Define, Design, Develop, dan Dissiminate*). Subjek penelitian ini adalah kelas VII B sebagai uji coba I dan kelas VII A sebagai uji coba II.

Berdasarkan hasil penelitian dapat LKPD memenuhi kriteria kevalidan dengan dengan skor penilaian rata-rata 3.578 untuk hasil penilaian materi, dan skor penilaian rata-rata 3.174 untuk hasil penilaian media. Efektivitas LKPD terhadap peningkatan kemampuan berpikir kreatif matematika siswa diperoleh secara signifikan yaitu nilai rata-rata kemampuan berpikir kreatif pada uji coba I sebesar 79.11 meningkat sebesar 3.7 menjadi 82.81 pada uji coba II dan banyak siswa yang tuntas pada uji coba I saat pretes yaitu 5.714% meningkat sebesar 88.572% menjadi 94.286% pada postes serta banyak siswa yang tuntas pada uji coba II saat pretes 7.895 meningkat sebesar 85.842% menjadi 94.737 pada saat postes. Kepraktisan LKPD berdasarkan angket respon siswa terhadap pembelajaran positif dengan sebanyak 14.28% yang merespon LKPD dengan kategori sangat baik, sebanyak 80% yang merespon LKPD dengan kategori baik, dan sebanyak 5.72% yang merespon LKPD dengan kategori cukup pada uji coba I dan sebanyak 23.684% yang merespon LKPD sangat baik, sebanyak 73.684% yang merespon LKPD dengan kategori baik, dan sebanyak 2.632% yang merespon LKPD dengan kategori cukup pada uji coba II.

Kata Kunci: Pengembangan LKPD, *Open-ended* kemampuan berpikir kreatif.

ABSTRACT

DEVELOPMENT OF WORK SHEETS FOR STUDENTS BASEDON OPEN-ENDED APPROACHES TO IMPROVE THE MATHEMATICAL CREATIVE THINKING ABILITY STUDENTS OF SMPMUHAMMADIYAH 05 MEDAN

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This study aims to develop a Student Worksheet (LKPD) based on an Open-ended to the subject matter of a valid, effective and practical set to help improve the creative thinking abilities of students of SMP Muhammadiyah 05 Medan. This research is a type of R&D (Research and Development) research. LKPD development procedures use the 4D model (Define, Design, Develop, and Dissiminate). The subjects of this study were class VII B as trial I and class VII A as trial II.

Based on the results of the study it can be concluded that the development of LKPD meets the validity criteria with an average assessment score of 3.578 for the results of the material assessment, and an average assessment score of 3.174 for the results of the media assessment. The effectiveness of LKPD on the improvement of students' mathematical creative thinking skills was obtained significantly, namely the average value of creative thinking skills in trial I was 79.11 increased by 3.7 to 82.81 in the second trial and many students who completed the first trial during the pretest was 5.714% increased by 88.572% to 94.286% at the posttest and many students who completed the second trial at 7.895% pretest increased by 85.842% to 94.737% at the posttest. Practicality of LKPD is based on student questionnaire responses to positive learning with as much as 14.28% who respond to LKPD in the very good category, as many as 80% who respond to LKPD in the good category, and as many as 5.72% who respond to LKPD in the sufficient category in trial I and as many as 23,684% are responded LKPD very well, as many as 73,684% who responded LKPD in the good category, and as many as 2,632% who responded to LKPD in the sufficient category in trial II.

Keywords: LKPD development, Open-ended, creative thinking skills.