

ABSTRAK

Hayatul Husna, NIM. 8216181008. Pengembangan Lembar Kerja Peserta Didik (LKPD) Berbasis STEM (*Science, Technology, Engineering, And Math*) Untuk Meningkatkan Kemampuan Berpikir Kritis Siswa pada Materi Siklus Air Kelas V SDN 067251 Medan Deli

Abad 21 menuntut siswa untuk mempunyai berbagai keterampilan, salah satunya yaitu keterampilan berpikir kritis agar siswa lebih tanggap dalam menganalisis, memecahkan dan menyelesaikan permasalahan dalam proses pembelajaran. Tujuan dari penelitian ini ialah untuk mengembangkan LKPD STEM untuk meningkatkan berpikir kritis siswa pada materi siklus air kelas V SDN 067251 Medan Deli. Penelitian ini menggunakan pendekatan *Research and Development (R&D)* dengan menggunakan model ADDIE (*Analysis, Design, Development, Implementation, and Evaluation*). Hasil penelitian menunjukkan bahwa LKPD berbasis *Science Technology Engineering Mathematics (STEM)* sangat layak di gunakan, berdasarkan uji kelayakan produk LKPD yang dikembangkan dari ketiga ahli yaitu ahli, materi dan bahasa. Dengan masing-masing skor 84,37%, 94% dan 91,42% dengan kategori sangat layak. LKPD berbasis *Science Technology Engineering Mathematics (STEM)* sangat efektif diterapkan untuk meningkatkan kemampuan berpikir kritis siswa SDN 067251, berdasarkan uji keefektifan didapat skor 88,75% dengan kategori sangat efektif, dan respon siswa terhadap LKPD berbasis STEM mendapatkan hasil skor rata-rata 3,33 dengan kategori sangat baik.

Kata kunci: LKPD, STEM, Berpikir Kritis.

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ABSTRACT

Hayatul Husna, 8216181008. Development of Stem-Based Student Worksheets (LKPD) (Science, Technology, Engineering, And Math) to Improve Students' Critical Thinking Ability in Class V Material SDN 067251 Medan Deli.

The 21st century requires students to have various skills, one of which is critical thinking skills so that students are more responsive in analyzing, solving and solving problems in the learning process. The purpose of this study is to develop LKPD STEM to improve students' critical thinking on class V water cycle material SDN 067251 Medan Deli. This research uses the Research and Development (R&D) approach using the ADDIE model (Analysis, Design, Development, Implementation, and Evaluation). The results showed that LKPD based on Science Technology Engineering Mathematics (STEM) was very feasible to use, based on the service test of LKPD products developed from three experts, namely experts, material and language with each score of 84.37%, 94% and 91.42% with a very decent category. Science Technology Engineering Mathematics (STEM)-based LKPD is very effectively applied to improve the critical thinking skills of SDN 067251 students, based on the effectiveness test obtained a score of 88.75% with a very effective category, and student responses to STEM-based LKPD received an average score of 3.33 with a very good category.

Keywords: LKPD, STEM, Critical Thinking.

