

ABSTRAK

PENGEMBANGAN BUKU TEKS TENTANG PERADAPAN TRANSPORTASI LAUT BERBASIS PJBL UNTUK MENUMBUHKAN KARAKTER RASA INGIN TAHU ANAK

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Karakter rasa ingin tahu merupakan dorongan internal untuk mengeksplorasi pengetahuan baru, mengajukan pertanyaan kritis, dan menunjukkan ketertarikan tinggi terhadap fenomena sekitar. Namun, rendahnya minat eksplorasi dan kecenderungan pasif anak dalam belajar masih sering dijumpai, sehingga berdampak negatif pada perkembangan kognitif dan prestasi mereka. Penelitian ini bertujuan mengembangkan buku teks peradaban alat transportasi laut berbasis *Project-Based Learning* (PjBL) guna menumbuhkan rasa ingin tahu siswa sekolah dasar. Metode yang digunakan adalah *Research & Development* (R&D) model ADDIE (*Analyze, Design, Develop, Implement, Evaluate*). Subjek penelitian meliputi sepuluh guru bersertifikat pendidik selaku responden analisis kebutuhan, sepuluh ahli untuk *expert judgement*, anak kelas IV salah satu SDN di Sleman yang terbagi menjadi kelompok eksperimen (28 anak kelas IV A) dan kelompok kontrol (27 anak kelas IV B), serta orang tua anak selaku responden kuesioner karakter.

Hasil penelitian membuktikan bahwa buku teks yang dikembangkan berhasil dirancang secara sistematis menstimulasi rasa ingin tahu anak. Kualitas produk dalam kategori "sangat baik" dengan skor 3,77 dari skala 1-4, sehingga dinyatakan valid tanpa revisi. Saat diimplementasikan, buku teks ini memberikan pengaruh positif yang signifikan dalam rasa ingin tahu anak $p = 0,000$ ($p < 0,05$) dengan kekuatan efek tergolong besar ($r = 0,917$). Dari aspek efektivitas, nilai *N-gain* kelompok kontrol (4,86) dan kelompok eksperimen (66,23) sama-sama menempati kualifikasi "sedang", didukung konsistensi penilaian *Interrater Reliability* berkategori tinggi ($\alpha = 0,678$). Signifikansi peningkatan dipertegas oleh analisis *z-score* per indikator, di mana kelompok kontrol menunjukkan tren negatif (-1,45 hingga -0,4), sedangkan kelompok eksperimen sepenuhnya bernilai positif (1,34 hingga 0,63). Dengan demikian, integrasi buku teks berbasis PjBL ini terbukti efektif memperkuat pendidikan karakter anak serta sangat layak digunakan.

Kata kunci: Pendidikan Karakter, Peradaban Alat Transportasi Laut, *Project Based Learning*, Rasa Ingin Tahu.

ABSTRACT

**DEVELOPMENT OF A PJBL-BASED TEXTBOOK ON MARITIME
TRANSPORTATION CIVILIZATION TO FOSTER CHILDREN'S CURIOSITY**

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Curiosity is an internal drive to explore new knowledge, ask critical questions, and show keen interest in surrounding phenomena. However, a lack of exploratory interest and a tendency toward passivity in learning are still frequently observed among children, negatively impacting their cognitive development and academic achievement. This study aimed to develop a textbook on the history of maritime transportation based on the Project-Based Learning (PjBL) model to foster curiosity in elementary school students. The study employed the Research & Development (R&D) method using the ADDIE model (Analyze, Design, Develop, Implement, Evaluate). Research subjects included ten certified teachers (as needs analysis respondents), ten experts (for expert validation), fourth-grade students from a public elementary school in Sleman divided into an experimental group (28 students in Class IV-A) and a control group (27 students in Class IV-B) and the students' parents (as respondents for character-related questionnaires).

The results indicate that the developed textbook was systematically designed to stimulate children's curiosity. The product quality fell into the "excellent" category, with a score of 3.77 on a 1-4 scale, rendering it valid without the need for revision. Upon implementation, the textbook had a significant positive impact on children's curiosity ($p = 0.000$; $p < 0.05$), with a large effect size ($r = 0.917$). Regarding effectiveness, the N-gain scores for both the control group (4.86) and the experimental group (66.23) fell within the "medium" qualification range, supported by consistent Interrater Reliability assessments in the high category ($\alpha = 0.678$). The significance of this improvement was further reinforced by z-score analysis per indicator; The control group exhibited a negative trend (ranging from -1.45 to -0.4), whereas the experimental group showed consistently positive values (ranging from 1.34 to 0.63). Thus, the integration of this PjBL-based textbook proved effective in strengthening character education and is highly suitable for use.

Keywords: Character Education, Curiosity, Maritime Transportation Civilization, Project-Based Learning,