

ABSTRAK

**PENGEMBANGAN PERANGKAT PEMBELAJARAN
KELAS IV SD SUBTEMA “HUBUNGAN ANTARA GAYA DAN GERAK”
BERBASIS *PROJECT BASED LEARNING* (PjBL)**

Skolastika Widya
Universitas Sanata Dharma
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Keberhasilan pendidikan sangat dipengaruhi oleh kualitas perangkat pembelajaran yang digunakan. Namun, masih banyak guru yang belum memanfaatkannya secara optimal karena kendala dalam merumuskan indikator, tujuan pembelajaran, dan penyusunan perangkat ajar secara terpadu. Penelitian ini bertujuan mengembangkan perangkat pembelajaran yang menarik dan membantu guru dalam proses pembelajaran. Penelitian dilakukan di kelas IV SDN Puren sejumlah 28 siswa dan menggunakan metode Research and Development (R&D) model ADDIE. Perangkat yang dikembangkan meliputi RPP, media pembelajaran, bahan ajar, LKPD, soal evaluasi, soal pengayaan, soal remedial, serta rubrik penilaian. Hasil penelitian menunjukkan bahwa perangkat yang dikembangkan tergolong sangat layak berdasarkan penilaian ahli: RPP memperoleh nilai rata-rata 83,38; kegiatan pembelajaran 93,75; LKPD 89,50; soal evaluasi 79,25; dan kelayakan bahasa 81,25. Uji coba produk menunjukkan bahwa siswa sangat antusias dalam menggunakan perangkat tersebut. Selain meningkatkan minat belajar, perangkat juga terbukti mampu mengembangkan karakter kreatif siswa. Dengan demikian, perangkat pembelajaran ini layak digunakan dalam proses pembelajaran dan dapat mendukung peningkatan kualitas pendidikan di tingkat sekolah dasar.

Kata Kunci: Perangkat pembelajaran, Hubungan Antara Gaya dan Gerak, *Project Based Learning* (PjBL)

ABSTRACT

**DEVELOPMENT OF LEARNING MATERIALS
FOR GRADE IV ELEMENTARY SCHOOL ON THE SUBTHEME
“THE RELATIONSHIP BETWEEN FORCE AND MOTION”
BASED ON PROJECT BASED LEARNING (PjBL)**

Skolastika Widya
Sanata Dharma University
2025

The success of education is greatly influenced by the quality of instructional tools used. However, many teachers still do not utilize them optimally due to challenges in formulating indicators, learning objectives, and integrating them into cohesive teaching plans. This study aims to develop engaging instructional tools to assist teachers in the teaching process. The research was conducted with 28 fourth-grade students at SDN Puren using the Research and Development (R&D) method with the ADDIE model. The instructional tools developed include lesson plans (RPP), learning media, teaching materials, student worksheets (LKPD), evaluation questions, enrichment and remedial questions, as well as assessment rubrics. The results show that all developed tools are categorized as highly feasible based on expert evaluations: the lesson plan scored an average of 83.38, learning activities 93.75, student worksheets 89.50, evaluation questions 79.25, and language feasibility 81.25. Product trials indicated high student enthusiasm in using the instructional tools. In addition to increasing students' interest in learning, the tools also contributed to the development of students' creative character. Therefore, the instructional tools developed in this study are considered feasible for use and can enhance the quality of learning in elementary education.

Keyword: Instructional tools, The Relationship Between Force and Motio, Project Based Learning (PjBL)