

## ABSTRAK

**Sri Aini, NIM 4173351022 (2017). Pengembangan Lembar Kerja Peserta Didik (LKPD) berbasis *Problem Based Learning* pada Materi Pokok Hukum Newton Peserta Didik Kelas VIII SMP Negeri 2 Badar.**

Penelitian ini bertujuan untuk: menghasilkan LKPD berbasis *Problem Based Learning* pada materi pokok Hukum Newton di kelas VIII SMP Negeri 2 Badar T.P. 2020/2021 yang layak digunakan berdasarkan hasil validasi ahli materi; ahli pembelajaran; penilaian guru; tanggapan peserta didik. LKPD ini dikembangkan dengan model 4D Thiagarajan (*Define, Design, Development, and Disseminate*). Hasil penelitian menunjukkan bahwa LKPD berbasis PBL pada materi Hukum Newton dikembangkan layak di SMPN 2 Badar. Hal ini dapat dilihat dari persentase rata-rata yang diperoleh dari validator yaitu ahli materi sebesar 96% dengan kategori sangat layak, validator ahli pembelajaran sebesar 96% dengan kategori sangat layak dan guru bidang studi sebesar 82% dengan kategori sangat layak. Terdapat peningkatan hasil uji coba perorangan didapat sebesar 82% dikategorikan bahwa LKPD yang digunakan layak, hasil uji coba kelompok kecil didapat sebesar 81% dikategorikan layak, hasil uji coba kelompok besar didapat sebesar 84% layak, dan N-gain hasil belajar peserta didik didapat sebesar 0,5 dengan kriteria sedang.

**Kata kunci:** Pengembangan LKPD; 4D Thiagarajan; Hukum Newton.



## ABSTRACT

**Sri Aini, NIM 4173351022 (2017). Development of Student Worksheets (LKPD) based on Problem Based Learning on the Main Material of Newton's Law for Class VIII Students of SMP Negeri 2 Badar.**

This study aims to: produce LKPD-based Problem Based Learning on the subject matter of Newton's Law in class VIII SMP Negeri 2 Badar T.P. 2020/2021 which is suitable for use based on the validation results of material experts; learning expert; teacher assessment; student responses. This worksheet was developed using a 4D Thiagarajan (Define, Design, Development, and Disseminate) model. The results showed that PBL-based worksheets on Newton's Law material were developed properly at SMPN 2 Badar. This can be seen from the average percentage obtained from validators, namely material experts by 96% in the very appropriate category, learning expert validators by 96% in the very appropriate category and teachers in the field of study by 82% in the very feasible category. There is an increase in test results Individual trials were obtained by 82% categorized that the LKPD used was feasible, the results of small group trials were obtained by 81% categorized as feasible, the results of large group trials were obtained by 84% feasible, and the N-gain of student learning outcomes obtained by 0.5 with medium criteria.

**Keywords: LKPD Development; 4D Thiagarajan; Newton's law.**

