

ABSTRAK

PENGEMBANGAN LKPD BERBASIS *PROJECT BASED LEARNING* UNTUK MENINGKATKAN *SELF EFFICACY* DAN KETERAMPILAN PROSES SAINS

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Penelitian ini bertujuan menghasilkan LKPD berbasis *PjBL* yang memiliki validitas, kepraktisan dan keefektifan yang tinggi dalam meningkatkan *self efficacy* dan KPS siswa. Penelitian pengembangan ini meliputi tiga tahap yaitu studi pendahuluan, pengembangan dan pengujian produk LKPD. Tahap pendahuluan dan pengembangan menghasilkan LKPD berbasis *PjBL*. Validasi LKPD dilakukan oleh validator yang relevan. Uji coba terbatas dilakukan pada 15 siswa kelas IX. Pengambilan sampel tahap pengujian menggunakan teknik *purposive sampling*. Pengumpulan data penelitian menggunakan teknik observasi, angket dan tes. Hasil penelitian menunjukkan bahwa: 1) Validitas LKPD berbasis *PjBL* untuk meningkatkan *self efficacy* dan KPS siswa memenuhi kriteria valid; 2) Kepraktisan LKPD berbasis *PjBL* untuk meningkatkan *self efficacy* dan KPS siswa memiliki keterlaksanaan sangat tinggi; 3) Keefektifan LKPD berbasis *PjBL* untuk meningkatkan *self efficacy* dan KPS siswa sangat tinggi. Skor rata-rata *self efficacy* kelas eksperimen 1 sebesar 80,74 %, kelas eksperimen 2 sebesar 80,33 %

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dan n-Gain sebesar 0,70 dengan kemampuan guru mengelola pembelajaran yang tinggi pada kelas eksperimen 1 sebesar 80 % dan kelas eksperimen 2 sebesar 74 % serta aktivitas siswa dalam pembelajaran sangat tinggi pada kelas eksperimen 1 sebesar 86,44 % dan kelas eksperimen 2 sebesar 85,84 %.

Kata kunci: LKPD, *Project Based Learning*, *self efficacy*, *Keterampilan Proses*

Sains

ABSTRACT

THE DEVELOPMENT OF STUDENT WORKSHEETS OF PROJECT BASED LEARNING TO INCREASE SELF EFFICACY AND SCIENCE PROCESS SKILL

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The objective of the research was to develop students worksheet based on PjBL which were valid, practicable, and effective to improve self efficacy and science process skills of students. The research consisted of three steps namely preliminary study, the development of student worksheet and product testing . The product was validated by the educational experts and trialed to 15 ninth-grade students. The purposive sampling was used to select the study samples resulting by which the final product to be implemented during the learning process. Data were collected by using observation techniques, quisioner, and tests. Results were as follow: 1) the developed student worksheet based on PjBL to improve students self efficacy and science process skill was valid; 2) The practicality of the product was very high as shown by high reponses from students; 3) The effectiveness of PJBL based student worksheet in science learning to improve self efficacy and student science process skills has a very high effectiveness. Obtained average score of self efficacy of experiment class 1 is 80,74% and experiment 2 class 80,33% and n-Gain 0,70 with teacher ability to manage high learning in

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experiment 1 class 80% and experiment class 2 by 74% and student activity in learning is very high in experiment class 1 equal to 86,44% and experiment class 2 equal to 85,84%.

Key words: project based learning, science process skills, self efficacy, student worksheet