ABSTRAK

Firda Maulida Firdaus. 2021. **PENGARUH MODEL *PROJECT BASED LEARNING* TERHADAP KETERAMPILAN BERPIKIR KREATIF PESERTA DIDIK DALAM PEMBELAJARAN FISIKA MATERI MOMENTUM DAN IMPULS**

Penelitian ini dilatar belakangi oleh kurangnya inovasi dalam penerapan model pembelajaran fisika dan rendahnya keterampilan berpikir kreatif peserta didik dalam materi momentum dan impuls. Upaya mengatasi permasalahan tersebut peneliti menerapkan salah satu model pembelajaran yaitu model *project based learning*. Penelitian ini bertujuan untuk mengetahui pengaruh model *project based learning* terhadap keterampilan berpikir kreatif peserta didik dalam pembelajaran fisika materi momentum dan impuls. Penelitian ini dilakukan di MA-YIA Panembong yang berlokasi di Rajapolah, Kabupaten Tasikmalaya pada bulan September sampai bulan Oktober 2021. Metode penelitian yang digunakan adalah *quasi experiment* dengan desain *posttest-only control group design*. Sampel dalam penelitian ini diambil secara *simple random sampling* yang terdiri dari kelas X IPA 2 sebagai kelas eksperimen dan X IPA 1 sebagai kelas kontrol. Instrumen yang digunakan yaitu instrumen tes berupa soal uraian (*essay*) dan instrumen nontes berupa lembar observasi keterlaksanaan model *project based learning*. Berdasarkan hasil uji hipotesis terhadap data *posttest* dengan menggunakan uji t hitung didapatkan kesimpulan H_0 ditolak dan H_1 diterima. Artinya, penerapan model *project based learning* terbukti berpengaruh terhadap keterampilan berpikir kreatif peserta didik dalam pembelajaran fisika materi momentum dan impuls. Lembar keterlaksanaan model *project based learning* secara keseluruhan berada pada kategori sangat baik dengan rata-rata nilai presentase sebesar 95%. Hal ini menunjukkan bahwa dalam proses pembelajaran peneliti konsisten menerapkan sintaks model *Project Based Learning*.

Kata kunci: Berpikir, Keterampilan, Kreatif, Model, *Project Based Learning*

ABSTRACT

Firda Maulida Firdaus. 2021. ***THE EFFECT OF PROJECT BASED LEARNING MODEL ON THE CREATIVE THINKING SKILLS OF STUDENTS IN LEARNING PHYSICS MATERIAL MOMENTUM AND IMPULS***

This research is motivated by the lack of innovation in the application of physics learning models and the low creative thinking skills of students in momentum and impulse materials. In an effort to overcome these problems, the researchers applied one of the learning models, namely the project based learning model. This study aims to determine the effect of the project based learning model on students' creative thinking skills in learning physics on momentum and impulse materials. This research was conducted at MA-YIA Panembong located in Rajapolah, Tasikmalaya Regency from September to October 2021. The research method used was a quasi-experimental design with a posttest-only control group design. The sample in this study was taken by simple random sampling consisting of class X IPA 2 as the experimental class and X IPA 1 as the control class. The instrument used is a test instrument in the form of an essay question and a non-test instrument in the form of an observation sheet on the implementation of the project based learning model. Based on the results of hypothesis testing on posttest data using the t-test, it can be concluded that H0 is rejected and H1 is accepted. That is, the application of the project based learning model has been proven to have an effect on students' creative thinking skills in learning physics on momentum and impulse materials. The overall project-based learning model implementation sheet is in the very good category with an average percentage value of 95%. This shows that in the learning process the researcher consistently applies the syntax of the project based learning model.

Keywords : Creative, Model, Project Based Learning, Skills, Thinking