THE EFFECT OF PROJECT BASED LEARNING (PjBL) ON STUDENTS’ UNDERSTANDING AND CREATIVITY IN LEARNING GLOBAL WARMING CONCEPT

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ABSTRACT

This research investigated the effect of project based learning (PjBL) on students’ understanding and creativity in learning global warming concept. The method which is used in this research was combination of pre experimental and descriptive with one group pretest-posttest design. The sample was taken purposively (n=19 students) grade secondary 1 in a Private International School. The quantitative data of this research was obtained through objective test, while the qualitative data was gained through rubric and questionnaire. According to the analysis of the research, it is obtained an improvement in both students’ understanding and creativity. Students’ understanding improvement obtained normalized gain as much as 0.61 which is categorized into medium improvement. The students’ creativity is shifting. Before project based learning being implemented it was in enough categories and changed into good category in the end. It shows that project based learning can facilitate students to explore their creativity. The improvement occurred in all creativity dimensions that are novelty, resolution, and elaboration & synthesis. Students’ respond toward implementation of project based learning showed positive respond in all indicators. It indicates that the implementation of project based learning in global warming concept can improve students’ understanding and creativity in secondary level.

Key words: Project based learning, students’ understanding, students’ creativity, global warming
Bismillahirrahmaanirrahiim.

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This research paper is the last demands and requirements for all university students in educational major to finish their study and obtain SarjanaPendidikan, the same requirements in International Program on Science Education study program. There are five chapters in this research paper that describes how is the effect of project based learning on students’ understanding and creativity in learning global warming. The research paper consists of introduction, supportive theory, research methodology, result and discussion of the research, conclusion and recommendation.

However, the perfection belongs to Allah SWT, the author realizes that this research paper still has so many weakness and need to be improved. Therefore, the writer expects comments and suggestions are most welcome to improve the quality of learning process in the future. Hopefully the results that presented in this research paper can be useful for all readers from educational field as reading source and reference to gain more knowledge.

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