

ABSTRAK

Ayu Sugiartini, Ni Nyoman (2023) *Pengaruh Model Pembelajaran Project Based Learning Terhadap Pemahaman Konsep IPA Dan Sikap Ilmiah Siswa Kelas IV SD Gugus II Kecamatan Kuta*. Tesis, Pendidikan Dasar, Program Pascasarjana, Universitas Pendidikan Ganesha, Singaraja

Tesis ini sudah diperiksa dan disetujui oleh pembimbing I: Dr. I Made Gunamantha, S.T., M.M. dan pembimbing II: Prof. Dr. I Made Ardana, M.Pd.

Kata kunci: PjBL, pemahaman konsep IPA, sikap ilmiah

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran PjBL terhadap pemahaman konsep IPA dan sikap ilmiah siswa kelas IV SD. Penelitian ini merupakan penelitian eksperimen. Adapun jenis eksperimen pada penelitian ini yaitu eksperimen semu (*quasi experiment*). Rancangan penelitian yang digunakan adalah *post-test only non-equivalent control group design*. Populasi dalam penelitian ini adalah seluruh siswa kelas IV SD Gugus II Kecamatan Kuta yaitu 173 orang. Sebanyak 42 siswa dipilih sebagai sampel penelitian diambil dari populasi yang setara, yang ditentukan dengan teknik *random sampling*. Kelas IV SD No. 2 Seminyak sebagai kelas eksperimen dan kelas IV A SD No. 1 Seminyak sebagai kelas kontrol. Data pemahaman konsep IPA dikumpulkan dengan tes pemahaman konsep IPA dan data sikap ilmiah dikumpulkan dengan kuesioner sikap ilmiah. Uji hipotesis menggunakan *MANOVA*. Hasil penelitian menunjukkan bahwa (1) secara simultan, terdapat perbedaan pemahaman konsep IPA dan sikap ilmiah siswa antara kelompok siswa yang dibelajarkan dengan model pembelajaran PjBL dan kelompok siswa yang dibelajarkan dengan model konvensional ($F=44,189$; $p<0,05$), (2) terdapat perbedaan pemahaman konsep IPA antara kelompok siswa yang dibelajarkan dengan model pembelajaran PjBL dan kelompok siswa yang dibelajarkan dengan model pembelajaran konvensional ($F=90,638$; $p<0,05$), dan (3) terdapat perbedaan sikap ilmiah antara kelompok siswa yang dibelajarkan dengan model pembelajaran PjBL dan kelompok siswa yang dibelajarkan dengan model pembelajaran konvensional ($F=72,283$; $p<0,05$).

ABSTRACT

Ayu Sugiartini, Ni Nyoman (2023) *The Impact of Project Based Learning Model on Science Concept Understanding and Scientific Attitude of 4th Grade Students of Elementary School in Cluster II Kuta District*, Thesis, Elementary Education, Postgraduate Program, Ganesha University of Education, Singaraja

This thesis had been examined and approved by supervisor I: Dr. I Made Gunamantha, S.T., M.M. and supervisor II: Prof. Dr. I Made Ardana, M.Pd.

Key words: PjBL, science concept understanding, scientific attitude

This research aimed at finding out the impact of PjBL model on science concept understanding and scientific attitude of 4th grade students of elementary school. This research was an experimental research. The experiment applied in this research was quasi experiment. The research design applied was post-test only non-equivalent control group design. The population involved in this research was all students of 4th grade of Elementary School in Cluster II Kuta District, that was 173 students. 42 students were chosen as sample in which they were gathered by using random sampling technique. The class 4 students of SD No. 2 Seminyak as experimental class and the class 4 A of SD No. 1 Seminyak as control class. The science concept understanding data was gathered through a test of science concept understanding and the scientific attitude data was gathered by using scientific attitude questionnaire. The hypothesis was tested by using *MANOVA*. The research result showed that (1) simultaneously, there was a different understanding of science concept and scientific attitude between the group of students who was taught by using PjBL model and the group of students who was taught by using conventional method ($F=44,189$; $p<0,05$), (2) there was a different understanding of science concept between the group of students who was taught by using PjBL model and the group of students who was taught by using conventional method ($F=90,638$; $p<0,05$), and (3) there was a different scientific attitude between the group of students who was taught by using PjBL model and the group of students who was taught by using conventional method ($F=72,283$; $p<0,05$).