

ABSTRAK

Dewi, Ni Nyoman Saras Kamala (2023), “*Pengaruh Model Pembelajaran Project Based Learning Berbasis STEM Terhadap Kemampuan Berpikir Kritis dan Hasil Belajar IPA Siswa Kelas V SD Gugus I Dalung Kuta Utara*”. Tesis, Pendidikan Dasar, Program Pascasarjana, Universitas Pendidikan Ganesha.

Kata-kata kunci: Project Based Learning, STEM, kemampuan berpikir kritis, hasil belajar IPA

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *Project Based Learning* berbasis STEM terhadap kemampuan berpikir kritis dan hasil belajar IPA siswa kelas V SD Gugus I Dalung Kuta Utara. Jenis penelitian yang dilaksanakan dalam penelitian ini adalah penelitian eksperimen semu (*Quasi Eksperimen*) dengan rancangan penelitian *Posttest-Only Control Group Design*. Populasi penelitian ini adalah seluruh siswa Kelas V SD Gugus I Dalung Kuta Utara, yang terdiri dari 436 orang siswa. Sebanyak orang 120 siswa dipilih sebagai sampel yang ditentukan dengan teknik *random sampling*. Pengumpulan datanya menggunakan metode tes berupa tes uraian untuk mengukur kemampuan berpikir kritis siswa dan metode tes objektif pilihan ganda untuk mengukur hasil belajar IPA siswa. Data dianalisis dengan menggunakan analisis Manova berbantuan program *IBM SPSS Statistic 26.00 for Windows*. Hasil Penelitian menunjukkan bahwa: Pertama, terdapat pengaruh model pembelajaran *project based learning* berbasis STEM terhadap kemampuan berpikir kritis siswa kelas V SD Gugus I Dalung Kuta Utara. Kedua, terdapat pengaruh model pembelajaran *project based learning* berbasis STEM terhadap hasil belajar IPA siswa kelas V SD Gugus I Dalung Kuta Utara. Ketiga, terdapat pengaruh model pembelajaran *project based learning* berbasis STEM secara simultan terhadap kemampuan berpikir kritis dan hasil belajar IPA siswa kelas V SD Gugus I Dalung Kuta Utara.

ABSTRACT

Dewi, Ni Nyoman Saras Kamala (2023), *“The Influence of STEM-Based Project Based Learning Learning Model on Critical Thinking Ability and Science Learning Outcomes for Class V Elementary School of Gugus I Dalung Kuta Utara”*. Thesis, Elementary Education, Graduate Program, Ganesha University of Education.

Key words: Project Based Learning, STEM, critical thinking skills, science learning outcomes

This study aims to determine the effect of the STEM-based Project Based Learning learning model on critical thinking skills and science learning outcomes for fifth graders of primary school of Gugus I Dalung Kuta Utara. The type of research conducted in this study is quasi-experimental research (Quasi Experiment) with a Posttest-Only Control Group Design research design. The population in this study were all fifth graders of Primary School of Gugus I Dalung Kuta Utara, which consisting of 436 students. A total of 120 students were selected as the sample determined by group random sampling technique. The data was collected using a essay non-test method to measure students' critical thinking skills and a multiple choice objective test method to measure students' science learning outcomes. The data then were analyzed using Manova analysis assisted by IBM SPSS Statistics 26.00 for Windows program. The results of the study show that: First, there is the influence of the STEM-based project-based learning model on the critical thinking skills for fifth graders of primary school of Gugus I Dalung Kuta Utara. Second, there is the influence of the STEM-based project based learning learning model on the science learning outcomes for fifth graders of primary school of Gugus I Dalung Kuta Utara. Third, there is the influence of the STEM-based project-based learning model simultaneously on critical thinking skills and science learning outcomes for fifth graders of primary school of Gugus I Dalung.