

PENGARUH MODEL PEMBELAJARAN *STUDENT FACILITATOR AND EXPLAINING (SFAE)* BERBANTUAN MEDIA *MIND MAPPING* TERHADAP KOMPETENSI PENGETAHUAN IPA SISWA KELAS V SD NEGERI GUGUS I GUSTI NGURAH RAI KECAMATAN DENPASAR BARAT TAHUN PELAJARAN 2022/2023

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *Student Facilitator and Explaining (SFAE)* berbantuan media *mind mapping* terhadap kompetensi pengetahuan IPA siswa kelas V SD. Jenis penelitian adalah *quasi experiment* dengan rancangan penelitian *non-equivalent control group design*. Populasi penelitian ini adalah seluruh kelas V SD Negeri Gugus I Gusti Ngurah Rai Kecamatan Denpasar Barat yakni sebanyak 492 siswa. Sampel penelitian ini ditentukan dengan menggunakan teknik *cluster random sampling* dan diperoleh sampel yaitu siswa kelas V SD Negeri 6 Padangsambian sebagai kelompok dan kelas V SD Negeri 3 Padangsambian sebagai kelompok kontrol. Metode pengumpulan data yang digunakan ialah metode tes objektif pilihan. Data hasil penelitian dianalisis menggunakan teknik analisis statistik deskriptif dan analisis statistik inferensial (uji-t). Hasil analisis data diperoleh rata-rata skor *pre-test* kelompok eksperimen yakni 59 dengan predikat kurang dan rata-rata hasil skor *pre-test* kelompok kontrol yakni 59 dengan predikat kurang. Rata-rata *post-test* kelompok eksperimen yakni 78 dengan predikat cukup dan rata-rata *post-test* kelompok kontrol 74 dengan kategori cukup. Berdasarkan hasil analisis uji-t, diperoleh $t_{hitung} = 2,038 > t_{tabel} = 2,006$ pada taraf signifikansi 5% dengan $dk = 52$ sehingga H_0 ditolak dan H_1 diterima. Berdasarkan hasil analisis yang telah dijelaskan sebelumnya dapat disimpulkan bahwa terdapat pengaruh yang signifikan model pembelajaran *Student Facilitator and Explaining (SFAE)* berbantuan media *mind mapping* terhadap kompetensi pengetahuan IPA siswa kelas V SD Negeri Gugus I Gusti Ngurah Rai Tahun Pelajaran 2022/2023.

Kata Kunci: kompetensi pengetahuan IPA, Model *SFAE*, *mind mapping*

ABSTRACT

This research aims to determine the effect of the Student Facilitator and Explaining (SFAE) learning model assisted by mind mapping media on the science knowledge competency of fifth grade elementary school students. The type of research is a quasi experiment with a non-equivalent control group design. The population of this study was all class V of Gugus I Gusti Ngurah Rai Elementary School, West Denpasar District, namely 492 students. The sample for this research was determined using cluster random sampling techniques and the samples obtained were class V students of SD Negeri 6 Padangsambian as a group and class V of SD Negeri 3 Padangsambian as a control group. The data collection method used is the selected objective test method. Research data were analyzed using descriptive statistical analysis techniques and inferential statistical analysis (t-test). The results of data analysis showed that the average pre-test score for the experimental group was 59 with a poor rating and the average pre-test score for the control group was 59 with a poor rating. The experimental group's post-test average was 78 with a sufficient rating and the control group's post-test average was 74 with a sufficient category. Based on the results of the t-test analysis, it was obtained that $t\text{-count} = 2.038 > t\text{-table} = 2.006$ at a significance level of 5% with $dk = 52$ so that H_0 was rejected and H_1 was accepted. Based on the results of the analysis previously explained, it can be concluded that there is a significant influence of the Student Facilitator and Explaining (SFAE) learning model assisted by mind mapping media on the science knowledge competency of fifth grade students at Gugus I Gusti Ngurah Rai Elementary School for the 2022/2023 academic year.

Keywords: science knowledge competency, SFAE model, mind mapping

