

PENGARUH MODEL PEMBELAJARAN KOOPERATIF TIPE *INDEX CARD MATCH* TERHADAP KOMPETENSI PENGETAHUAN IPA BAGI SISWA KELAS V SDN GUGUS 1 KECAMATAN KUTA UTARA TAHUN PELAJARAN 2022/2023

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ABSTRAK

Rendahnya kompetensi pengetahuan IPA siswa yang disebabkan oleh kurang optimalnya penggunaan model pada saat pembelajaran sehingga peserta didik sulit dalam memahami pembelajaran. Penelitian ini bertujuan untuk membuktikan Pengaruh Model Pembelajaran Kooperatif Tipe *Index Card Match* terhadap Kompetensi Pengetahuan IPA siswa kelas V. Penelitian ini merupakan penelitian eksperimen semu dengan rancangan kelompok *non-equivalent control group design*. Populasi adalah seluruh kelas V SD yang terdiri dari 15 kelas sebanyak 463 siswa. Sampel ditentukan menggunakan teknik *cluster random sampling*. Pada pengumpulan data, instrument yang digunakan berbentuk tes objektif pilihan ganda biasa, sehingga didapatkan data berupa skor kompetensi pengetahuan IPA yang berbentuk data kuantitatif, kemudian hasil gains score ternormalisasi dianalisis menggunakan analisis uji-t. Rerata gains skor ternormalisasi kompetensi pengetahuan IPA kelompok eksperimen 22,96 dan kelompok kontrol 17,46. Hasil analisis data membuktikan bahwa penerapan model pembelajaran kooperatif tipe *Index Card Match* mampu meningkatkan kompetensi pengetahuan IPA siswa. Diperoleh $t_{hitung} = 8,99 > t_{tabel} = 2,000$ ($\alpha=0,05$ dan $dk=54$) maka H_0 ditolak dan H_1 diterima yang artinya terdapat perbedaan yang signifikan antara kelompok eksperimen dan kelompok kontrol. Maka disimpulkan model pembelajaran kooperatif tipe *Index Card Match* berpengaruh terhadap kompetensi pengetahuan IPA kelas V di SDN Gugus 1 Kecamatan Kuta Utara Tahun Pelajaran 2022/2023.

Kata Kunci: Kompetensi pengetahuan IPA, Model Kooperatif, *Index Card Match*

ABSTRACT

The low competence of students' science knowledge is caused by the less optimal use of models during learning so that students find it difficult to understand learning. This study aims to prove the effect of the Index Card Match Cooperative Learning Model on the Science Knowledge Competence of fifth grade students. This research was a quasi-experimental study with a non-equivalent control group design. The population is all of the fifth grade of elementary school which consists of 15 classes with a total of 463 students. The sample was determined using cluster random sampling technique. In data collection, the instrument used was in the form of an ordinary multiple choice objective test, in order to obtain data in the form of science knowledge competency scores in the form of quantitative data, then the normalized gains score results were analyzed using t-test analysis. The mean gains normalized score of science knowledge competence in the experimental group was 22.96 and the control group was 17.46. The results of the data analysis proved that the application of the Index Card Match type cooperative learning model was able to increase students' science knowledge competence. Obtained $t_{count} = 8.99 > t_{table} = 2.000$ ($\alpha = 0.05$ and $dk = 54$) then H_0 is rejected and H_1 is accepted, which means that there is a significant difference between the experimental group and the control group. So it was concluded that the cooperative learning model of the Index Card Match type had an effect on the science knowledge competence of grade V at SDN Gugus 1, North Kuta District, 2022/2023 Academic Year.

Keywords: Science knowledge competency, Cooperative Model, Index Card Match

