

**PENGARUH MODEL *PROBLEM BASED LEARNING* BERBANTUAN
APLIKASI *QUIZIZZ* TERHADAP KEMAMPUAN BERNALAR KRITIS
SISWA PADA MUATAN IPA KELAS V SD GUGUS I KECAMATAN
KARANGASEM**

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ABSTRAK

Penelitian ini dilaksanakan dengan tujuan untuk mengetahui pengaruh model *problem based learning* berbantuan aplikasi *quizizz* terhadap kemampuan bernalar kritis siswa pada muatan IPA kelas V SD Gugus I Kecamatan Karangasem. Rancangan penelitian yang digunakan adalah penelitian eksperimen semu (*quasi experiment*) dengan desain eksperimen *non equivalent control group design*. Populasi pada penelitian ini berjumlah 125 siswa dari 7 sekolah dasar. Teknik pengambilan sampel dilakukan dengan menggunakan teknik *purposive sampling*. Sampel pada penelitian ini adalah siswa kelas V SD Negeri 1 Karangasem sebanyak 31 siswa dan SD Negeri 5 Karangasem sebanyak 26 siswa. Data kemampuan bernalar kritis siswa dikumpulkan dengan menggunakan metode tes dengan bentuk soal uraian. Hipotesis yang diajukan pada penelitian ini adalah terdapat pengaruh model *problem based learning* berbantuan aplikasi *quizizz* terhadap kemampuan bernalar kritis siswa pada muatan IPA kelas V SD Gugus I Kecamatan Karangasem. Analisis data menggunakan uji-t, kedua kelompok tersebut diperoleh nilai Sig. (2-tailed) sebesar 0,000. Hal ini menunjukkan bahwa Sig. (2-tailed) $<0,05$ ($0,000<0,05$). Berdasarkan data tersebut, dapat disimpulkan bahwa terdapat pengaruh model *problem based learning* berbantuan aplikasi *quizizz* terhadap kemampuan bernalar kritis siswa pada muatan IPA kelas V SD Gugus I Kecamatan Karangasem.

Kata-kata kunci : *problem based learning*, *quizizz*, kemampuan bernalar kritis IPA

***THE EFFECT OF THE QUIZZZ APPLICATION-ASSISTED PROBLEM-
BASED LEARNING MODEL ON STUDENTS' CRITICAL REASONING
ABILITY IN SCIENCE CONTENT OF V Grade SD GUGUS I
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ABSTRACT

This research was conducted with the aim of knowing the effect of the problem based learning model assisted by the quizizz application on students' critical reasoning abilities in the science content of class V SD Cluster I, Karangasem District. The research design used was quasi-experimental research with a non-equivalent control group design. The population in this study amounted to 125 students from 7 elementary schools. The sampling technique was carried out using a purposive sampling technique. The samples in this study were 31 students of class V SD Negeri 1 Karangasem and 26 students of SD Negeri 5 Karangasem. Data on students' critical reasoning abilities were collected using the test method in the form of essay questions. The hypothesis put forward in this study is that there is an influence of the problem-based learning model assisted by the quizizz application on students' critical reasoning abilities in the science content of class V SD Gugus I, Karangasem District. Data analysis using the t-test, the two groups obtained Sig. (2-tailed) of 0.000. This shows that Sig. (2-tailed) < 0.05 (0.000 < 0.05). Based on these data, it can be interpreted that there is an influence of the problem based learning model assisted by the quizizz application on students' critical reasoning abilities in the science content of class V SD Cluster I, Karangasem District.

Keywords : Problem Based Learning, Quizizz, Critical Reasoning Ability.