

**PENGARUH MODEL PEMBELAJARAN *PROBLEM POSING*
BERBANTUAN MEDIA QUESTION BOX
TERHADAP KOMPETENSI PENGETAHUAN MATEMATIKA
KELAS V SD GUGUS II KECAMATAN BANGLI
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Oleh
Ni Wayan Sri Suprianingsih
Program Studi Pendidikan Guru Sekolah Dasar

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *Problem Posing* berbantuan media *Question Box* terhadap Kompetensi Pengetahuan Matematika kelas V SD Gugus II Bangli. Penelitian ini menggunakan desain *quasi eksperimen* dengan rancangan desain *Non Equivalen Control Group Design*. Sebelum melaksanakan kesetaraan kelompok terlebih dahulu mengetahui populasi yang digunakan dalam penelitian ini yakni seluruh kelas V SD Gugus II Kecamatan Bangli yakni sebanyak 8 kelas dengan banyak siswa 235 orang. Sampel dalam penelitian ini menggunakan teknik *cluster random sampling*. Sampel penelitian ini sebagai kelompok eksperimen ialah kelas V SD No. 3 Kawan Bangli sebanyak 38 siswa dan sebagai kelompok control yaitu kelas V SD No. 5 Kawan Bangli sebanyak 39 siswa. Pengumpulan data dalam penelitian ini dilaksanakan dengan menggunakan metode tes. Instrumen pengumpulan data pada penelitian ini yaitu dilaksanakan menggunakan tes objektif (pilihan ganda biasa). Data yang diperoleh dianalisis dengan menggunakan teknik analisis uji-t dengan rumus *polled varians*. Pada kelompok eksperimen rerata penguasaan untuk kompetensi pengetahuan matematika yaitu $\bar{x} = 81,92$ dan kelompok kontrol $\bar{x} = 70,05$. Analisis data dalam hasil penelitian menunjukkan bahwa $t_{hitung} = 8,1912 > t_{tabel} = 2,000$ pada taraf signifikansi 5 % $dk = 38 + 39 - 2 = 75$, sehingga H_0 ditolak dan H_a diterima ini berarti terdapat perbedaan yang signifikan kompetensi pengetahuan matematika antara kelompok yang dibelajarkan dengan model pembelajaran *problem posing* berbantuan media *question box* dengan kelompok yang dibelajarkan secara konvensional. Dengan demikian, dapat disimpulkan model pembelajaran *problem posing* berbantuan media *question box* berpengaruh terhadap kompetensi pengetahuan matematika kelas V SD Gugus II Kecamatan Bangli Tahun Ajaran 2019/2020.

Kata-kata kunci : *Problem Posing*, *Question Box*,
Kompetensi Pengetahuan Matematika

**INFLUENCE OF POST PROBLEM LEARNING MODEL
ASSISTANCE OF QUESTION BOX MEDIA
TOWARDS MATHEMATICAL KNOWLEDGE COMPETENCE
CLASS V SD GUGUS II KECAMATAN BANGLI
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**By
Ni Wayan Sri Suprianingsih
Elementary School Teacher Education Study Program**

ABSTRACT

The main problem in this study is that there are still a number of students who score less than the KKM when the Mid-Semester Assessment (PTS) Mathematics knowledge competence of students is lower than the KKM standard, of the 235 students in mathematics who have completed as many as 139 people students or 59.14% while those who have not completed are 96 students or 40.85%. This research is an experimental research that aims to examine the effect of Questioning Problem-assisted media model Question Box on the competence of Mathematics knowledge of elementary school students with a non-equivalent control group design. The subject used as a population that is 8 class V of 6 elementary school students with a total of 235 students. Determination of the sample is done by cluster technique. Data collection in this study was carried out using the test method. Data collection instruments in this study were carried out using objective tests (ordinary multiple choice). The data obtained were analyzed using t-test analysis techniques with the pooled variance formula. In the experimental group the average mastery of mathematical knowledge competence is $\bar{x} = 81.92$ and the control group $\bar{x} = 70.05$. Analysis of the data in the results of the study showed that $t_{count} = 8,1912 > t_{table} = 2,000$ at a significance level of 5% $dk = 38 + 39 - 2 = 75$, so H_0 was rejected and H_a was accepted. This meant that there were significant differences in the competence of mathematical knowledge between the groups being taught the Problem Posing learning model is assisted by Question Box media with conventional learning groups. Thus, it can be concluded the Problem Posing learning model assisted by the Question Box media influences the competency of elementary school classroom mathematics knowledge. This research has an impact on students' knowledge competence. This research proves that the Problem Posing model that is assisted by the Question Box media is created as a material used in elementary schools used in teaching and learning activities or mathematics learning.

Key words: *Problem Posing, Question Box, Mathematical Knowledge Competence.*