

**PENGARUH MODEL *PROBLEM BASED LEARNING*
BERBANTUAN MEDIA AUDIO VISUAL
TERHADAP KOMPETENSI PENGETAHUAN IPAS SISWA
KELAS IV SD NEGERI GUGUS KAPTEN JAPA
DENPASAR UTARA TAHUN AJARAN 2023/2024**

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ABSTRAK

Penelitian ini bertujuan untuk (1) mengetahui kompetensi pengetahuan IPAS siswa kelas IV Gugus Kapten Japa yang dibelajarkan menggunakan model *Problem Based Learning* berbantuan Media Audio Visual (2) Untuk mengetahui kompetensi pengetahuan IPAS siswa kelas IV Gugus Kapten Japa yang tidak dibelajarkan menggunakan model *Problem Based Learning* berbantuan Media Audio Visual (3) mengetahui pengaruh yang signifikan model *Problem Based Learning* berbantuan Media Audio Visual terhadap kompetensi pengetahuan matematika siswa kelas IV SD Gugus Kapten Japa Tahun Ajaran 2023/2024. Jenis penelitian ini merupakan penelitian *semu* dengan desain *non-equivalent control group design*. Populasi penelitian ini sebanyak 294 seluruh siswa kelas IV SD Negeri Gugus Kapten Japa Denpasar Utara. Sampel diambil dengan teknik *cluster random sampling* dan diperoleh sampel yaitu siswa kelas IV SD Negeri 9 Dauh Puri sebagai kelas Eksperimen dengan jumlah siswa 31 orang dan siswa kelas IV SD Negeri 33 Daging Puri sebagai kelompok kontrol dengan banyak siswa 30 orang. Metode pengumpulan data menggunakan tes objektif pilihan ganda. Hasil dari kelompok siswa yang dibelajarkan menggunakan model *Problem Based Learning* berbantuan Media Audio Visual memperoleh nilai rata-rata 69,29 yang berada pada kategori sedang. Sedangkan, hasil dari kelompok siswa yang tidak dibelajarkan menggunakan model *Problem Based Learning* berbantuan media Audio Visual memperoleh nilai rata-rata 50,4 yang berada pada kategori rendah. Data hasil penelitian dianalisis dengan teknik analisis deskriptif dan teknik analisis uji t. Hasil analisis data diperoleh $t_{hitung} = 6,869$ dan $t_{tabel} = 2,000$ pada taraf signifikansi 5% dengan $dk = 31 + 30 - 2 = 59$. Hal ini menunjukkan bahwa $t_{hitung} > t_{tabel}$ ($6,869 > 2,000$) sehingga H_0 ditolak dan H_1 diterima yang berbunyi tidak terdapat perbedaan yang signifikan antara kompetensi pengetahuan IPAS siswa yang dibelajarkan dengan model *Problem Based Learning* berbantuan media audio visual dengan kompetensi pengetahuan IPAS siswa yang tidak dibelajarkan menggunakan model *Problem Based Learning* berbantuan media audio visual. Dapat disimpulkan bahwa model *Problem Based Learning* berbantuan media audio visual berpengaruh signifikan terhadap kompetensi pengetahuan IPAS siswa kelas IV SD Gugus Kapten Japa Denpasar Utara Tahun Ajaran 2023/2024

Kata Kunci: *Problem Based Learning*, Media Audio Visual, Kompetensi Pengetahuan IPA.

ABSTRACT

This research aims to (1) determine the science knowledge competency of class IV students of Gugus Captain Japa who are taught using the Problem Based Learning model assisted by Audio Visual Media (2. To determine the science knowledge competency of class IV students of Gugus Captain Japa who are not taught using the assisted Problem Based Learning model Audio Visual Media (3) determines the significant influence of the Problem Based Learning model assisted by Audio Visual Media on the mathematics knowledge competency of fourth grade students at Gugus Captain Japa Elementary School for the 2023/2024 academic year. The population of this study was 294 students from class IV of SD Negeri Gugus Captain Japa, North Denpasar. The sample was taken using a cluster random sampling technique and the sample obtained was class IV students from SD Negeri 9 Dauh Puri as an experimental class with a total of 31 students and class IV students from SD Negeri 9. 33 Dangin Puri as a control group with 30 students. The data collection method uses multiple choice objective tests. The results of the group of students who were taught using the Problem Based Learning model assisted by Audio Visual Media obtained an average score of 69.29 which was in the medium category. Meanwhile, the results of the group of students who were not taught using the Problem Based Learning model assisted by Audio Visual media obtained an average score of 50.4 which is in the low category. The research data were analyzed using descriptive analysis techniques and t test analysis techniques. The results of data analysis obtained $t_{\text{count}} = 6.869$ and $t_{\text{tabel}} = 2.000$ at a significance level of 5% with $dk = 31 + 30 - 2 = 59$. This shows that $t_{\text{count}} > t_{\text{tabel}}$ ($6.869 > 2.000$) so that H_0 is rejected and H_1 is accepted which means there is no difference There is a significant difference between the science and science knowledge competency of students who are taught using the Problem Based Learning model assisted by audio-visual media and the science and science knowledge competency of students who are not taught using the Problem Based Learning model assisted by audio-visual media. It can be concluded that the Problem Based Learning model assisted by audio-visual media has a significant effect on the science and science knowledge competency of fourth grade students at Gugus Captain Japa Elementary School, North Denpasar, Academic Year 2023/2024.

Keywords: *Problem Based Learning, Audio Visual Media, Science Knowledge Competency.*