

**PENGARUH MODEL *PROBLEM BASED LEARNING*  
BERBANTUAN MEDIA LINGKUNGAN TERHADAP  
KOMPETENSI PENGETAHUAN IPA SISWA KELAS  
IV SD GUGUS LETKOL WISNU DENPASAR  
TAHUN AJARAN 2019/2020**

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**ABSTRAK**

Tujuan dilaksanakannya penelitian ini ialah untuk mengetahui pengaruh yang signifikan model PBL berbantuan media lingkungan terhadap kompetensi pengetahuan IPA kelas IV SD Gugus Letkol Wisnu Denpasar Tahun Ajaran 2019/2020. Jenis penelitian ini yaitu *quasi experiment* dengan desain penelitian "*Nonequivalent Control Group Design*". Populasinya ialah seluruh kelas IV SD Gugus Letkol Wisnu Denpasar sebanyak 10 kelas, 368 siswa. Selanjutnya, diambil dua sampel untuk perlakuan melalui Teknik *Cluster Random Sampling*. Sampel yang terpilih yaitu kelas IV SD Negeri 1 Peguyangan sebagai kelas eksperimen sebanyak 46 orang menerapkan model PBL berbantuan media lingkungan dan kelas IV SD Negeri 5 Peguyangan sebagai kelas kontrol sebanyak 38 orang dengan pembelajaran konvensional. Data dikumpulkan dengan metode tes berupa tes pilihan ganda sebanyak 35 soal. Diperoleh rerata gain skor ternormalisasi kelompok eksperimen  $\bar{X} = 0,525 > \bar{X} = 0,236$  rerata gain skor ternormalisasi kelompok kontrol. Selanjutnya data diuji dengan *t-test polled varian*. Terbukti dari nilai  $t_{hitung} = 11,049 > t_{tabel} = 1,989$  pada  $dk = (46+38-2) = 82$  dan taraf signifikansi 5% yang artinya  $H_0$  ditolak dan  $H_a$  diterima, maka terdapat perbedaan signifikan terhadap kedua kelompok sampel. Kesimpulannya penerapan model PBL berbantuan media lingkungan memberi pengaruh terhadap kompetensi pengetahuan IPA kelas IV SD Gugus Letkol Wisnu Denpasar tahun ajaran 2019/2020.

Kata kunci : model PBL, media lingkungan, kompetensi pengetahuan IPA.

## Abstract

The purpose of this research is to find out the significant influence of the PBL model assisted by environmental media on Science Knowledge Competence in the fourth grade elementary school Gugus Letkol Wisnu Denpasar in academic year 2019/2020. This type of research was quasi experiment with the research design "Nonequivalent Control Group Design". The population of the research was all of the fourth grade elementary school Gugus Letkol Wisnu Denpasar are ten classes with 368 students. Next, the determination of the sample is done by cluster random sampling technique. The selected sample is fourth grade elementary school 1 Peguyangan as an experimental class as many as 46 people apply PBL models assisted by environmental media and fourth grade elementary school 5 Peguyangan as a control class of 38 people with conventional learning. Data were collected by a test method in the form of multiple choice tests of 35 questions. The mean of the experimental group normalized score gain  $\bar{X} = 0,525 > \bar{X} = 0,236$  the normalized score gain of the control group. Furthermore, the data was tested by polled variant *t*-test. Evidenced by the value of  $t = 11.049 > t_{table} = 1.989$  at  $df = (46 + 38 - 2) = 82$  and a significance level of 5% which means that  $H_0$  is rejected and  $H_a$  is accepted, then there are significant differences between the two sample groups. The conclusion is that the application of the PBL model assisted by environmental media has an influence on Science Knowledge Competence in the fourth grade elementary school Gugus Letkol Wisnu Denpasar in academic year 2019/2020.

Keyword : PBL model, environmental media, Science Knowledge Competence

