

**PENGARUH MODEL AUDITORY, INTELLECTUALLY, REPETITION (AIR)
BERBANTUAN MEDIA AUDIO VISUAL TERHADAP KOMPETENSI
PENGETAHUAN IPA SISWA KELAS IV SD GUGUS V MENGWI
TAHUN AJARAN 2019/2020**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model *AIR* berbantuan media audio visual terhadap kompetensi pengetahuan IPA siswa kelas IV SD Gugus V Mengwi tahun ajaran 2019/2020. Penelitian ini merupakan penelitian kuasi eksperimen dengan rancangan *nonequivalent control group design*. Populasi pada penelitian ini sebanyak 8 kelas dari 6 SD di Gugus V Mengwi tahun ajaran 2019/2020 yang terdiri atas 266 siswa kelas IV. Sampel ditentukan dengan teknik *random sampling* sehingga diperoleh sampel sebanyak 74 orang yaitu 35 siswa kelas IV di SDN 3 Buduk sebagai kelas eksperimen dan 39 siswa kelas IV di SDN 1 Buduk sebagai kelas kontrol. Pengumpulan data pada penelitian ini menggunakan metode tes. Instrument pengumpulan data yang digunakan berupa tes objektif pilihan ganda biasa yang kemudian dianalisis dengan analisis uji-t *polled varians*, namun terlebih dahulu dilakukan uji normalitas menggunakan Kolmogorov-Smirnov dan homogenitas dengan rumus *Fisher*. Dengan demikian, berdasarkan hasil analisis diperoleh $t_{hitung} = 2.810 > t_{tabel} = 1.993$ pada taraf signifikansi 5% dengan $(dk = 35 + 39 - 2 = 72)$, sehingga tolak H_0 yang berbunyi tidak terdapat perbedaan yang signifikan kompetensi pengetahuan IPA antara kelompok yang dibelajarkan dengan model *Auditory, Intellectually, Repetition (AIR)* berbantuan media audio visual dengan kelompok yang dibelajarkan melalui pembelajaran konvensional pada kelas IV SD Gugus V Mengwi tahun ajaran 2019/2020. Selain itu, rata-rata kompetensi pengetahuan IPA kelompok eksperimen $\bar{X} = 73,771 > \bar{X} = 68,410$ rata-rata kompetensi pengetahuan IPA kelompok kontrol. Jadi berdasarkan hasil analisis dapat disimpulkan bahwa terdapat pengaruh yang signifikan model *Auditory, Intellectually, Repetition (AIR)* berbantuan media audio visual terhadap kompetensi pengetahuan IPA siswa kelas IV SD Gugus V Mengwi tahun ajaran 2019/2020.

Kata Kunci: model *AIR*, media audio visual, dan kompetensi pengetahuan IPA.

**THE EFFECT OF AUDITORY MODEL, INTELLECTUALLY, REPETITION
(WATER) AIDED BY AUDIO VISUAL MEDIA ON THE COMPETENCE OF
SCIENCE KNOWLEDGE CLASS IV SD CLASS V PENGWI STUDENTS
ACADEMIC YEAR 2019/2020**

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ABSTRACT

This study aims to determine the effect of the AIR model assisted by audio-visual media on the science competence of science students in class IV SD Mengwi V Cluster in the academic year 2019/2020. This research is a quasi-experimental study with a nonequivalent control group design. The population in this study were 8 classes from 6 elementary schools in the Mengwi Cluster V school year 2019/2020 consisting of 266 students in class IV. The sample was determined by random sampling technique so that a sample of 74 people was obtained, namely 35 students in class IV at SDN 3 Buduk as the experimental class and 39 students in class IV at SDN 1 Buduk as the control class. Data collection in this study using the test method. Data collection instruments used were ordinary multiple-choice objective tests which were then analyzed by polled variance t-test analysis, but the normality test was first performed using the Kolmogorov-Smirnov test and homogeneity with the Fisher formula. Thus, based on the analysis results obtained $t_{count} = 2.810 > t_{table} = 1.993$ at a significance level of 5% with $(dk = 35 + 39 - 2 = 72)$, so that H_0 rejects that there is no significant difference in the competence of natural science knowledge between the groups studied with Auditory, Intellectually, Repetition (AIR) models assisted by audio-visual media with groups taught through conventional learning in class IV SD Mengwi Cluster V in the academic year 2019/2020. In addition, the average science competency of the experimental group's science $= 73.777 > = 68.410$ the average science competency of the control group. So based on the results of the analysis it can be concluded that there is a significant influence of the Auditory, Intellectually, Repetition (AIR) model assisted by audio visual media on the science competence of science students in grade IV SD Menggus V Group Mengwi in the academic year 2019/2020.

Keywords: AIR model, audio visual media, and science knowledge competence.