

## ABSTRAK

PENGARUH MEDIA PEMBELAJARAN IPA BERBASIS METODE MONTESSORI  
MATERI PANCA INDRAMA MANUSIA TERHADAP HASIL BELAJAR IPA SISWA  
KELAS I SDN PANEMBAHAN

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Bahwa Hasil wawancara dan observasi di SDN Panembahan menunjukkan hasil belajar IPA materi panca indra manusia kelas I masih rendah. Dalam penelitian ini, peneliti ingin mengujicobakan media pembelajaran IPA berbasis metode Montessori materi panca indra manusia terhadap hasil belajar. Berdasarkan latar belakang tersebut, tujuan dari penelitian ini adalah pengaruh media pembelajaran IPA berbasis metode Montessori materi panca indra manusia terhadap hasil belajar IPA siswa kelas I SDN Panembahan.

Penelitian ini menggunakan metode eksperimen jenis Quasi Experimental tipe Nonequivalent control group design. Populasi penelitian ini adalah siswa kelas I SDN Panembahan dengan jumlah 41 siswa. Sampel dalam penelitian ini adalah siswa kelas IA sebanyak 19 siswa dan kelas IB sebanyak 22 siswa. Kelompok kontrol dalam penelitian ini adalah kelas IB dan yang menjadi kelompok eksperimen adalah kelas IA. Instrumen penelitian yang digunakan adalah tes dan non tes. Instrumen tes terdiri dari 10 soal pretest dan 11 soal posttest yang telah diuji validitas konstruk yaitu  $r$  hitung  $>0,36$ . Instrumen tersebut juga diuji reliabilitasnya dengan hasil pretest sebesar 0,818 dan soal posttest sebesar 0,693. Hasil tersebut menunjukkan bahwa soal pretest dan posttest memiliki reliabilitas yang baik. Instrumen non tes terdiri dari lembar observasi dan RPP. Instrumen RPP telah diuji validitas isi oleh ahli yaitu guru kelas IA dan IB SD Negeri Panembahan

Hasil penelitian ini menunjukkan bahwa penggunaan media pembelajaran berbasis metode Montessori materi panca indra manusia berpengaruh terhadap hasil belajar siswa. Hasil uji selisih skor kelas eksperimen dan kelas kontrol pada hasil belajar signifikan (2-tailed)  $0,000 < 0,05$  yang berarti terdapat signifikan antara kelas eksperimen dan kelas kontrol. Dan hasil besar pengaruh perlakuan kelas eksperimen yaitu  $r = -0.509$ ,  $r^2 = 0.2499$ , dan persentase 25.99% yang berarti memiliki efek menengah.

Kata kunci : materi IPA, media pembelajaran Montessori, hasil belajar

## ABSTRACT

*THE INFLUENCE OF SCIENCE LEARNING MEDIA BASED ON MONTESSORI METHOD  
OF HUMAN INDIGENOUS PANCA MATERIALS ON THE RESULT OF SCIENCE  
LEARNING CLASS I SDN PANEMBAHAN*

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*That the results of interviews and observations at SDN Panembahan showed the results of learning science in the material class I human senses were still low. In this study, researchers wanted to test science learning media based on the Montessori material method of the five human senses on learning outcomes. Based on this background, the purpose of this study was the effect of science learning media based on the Montessori method of the material of the five human senses on science learning outcomes of first grade students at SDN Panembahan.*

*This research used the Quasi Experimental type method Nonequivalent control group design. The population of this study was the first grade students of SD N Panembahan with a total of 41 students. The sample in this study were IA students as many as 19 students and IB students as many as 22 students. The control group in this study was IB class and the experimental group was IA class. The research instruments used were tests and non-tests. The test instrument consisted of 10 pretest questions and 11 posttest questions that had been tested for construct validity ie  $r_{count} > 0.36$ . The instrument was also tested for reliability with the pretest results of 0.818 and the posttest question of 0.693. These results show that the pretest and posttest questions have good reliability. Non-test instruments consist of observation sheets and lesson plans. RPP instruments have been tested for content validity by experts, namely IA and IB class teachers at Panembahan Elementary School*

*The results of this study indicate that the use of instructional media based on the Montessori method of material for the five human senses influences student learning outcomes. The test results of the difference between the experimental class and the control class on significant learning outcomes (2-tailed)  $0,000 < 0.05$ , which means that there are significant between the experimental class and the control class. And the big results of the treatment effect of the experimental class are  $r = -0.509$ ,  $r^2 = 0.2499$ , and the percentage of 25.99% which means it has a medium effect.*

*Keywords: science materials, Montessori learning media, learning outcomes*