

ABSTRAK**PENGARUH PENGGUNAAN MEDIA PEMBELAJARAN BERBASIS
METODE MONTESSORI MATERI SISTEM PENDENGARAN MANUSIA
TERHADAP HASIL BELAJAR IPA SISWA KELAS IV SD**

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Dalam dunia belajar saat ini banyak materi pelajaran yang susah dipahami, salah satunya adalah IPA. Hal tersebut mengakibatkan rendahnya hasil belajar siswa. Salah satu solusi yang dapat mengatasinya adalah media berbasis metode Montessori. Tujuan penelitian ini adalah mengetahui pengaruh penggunaan media pembelajaran berbasis metode Montessori materi sistem pendengaran manusia terhadap hasil belajar IPA siswa kelas IV SD.

Penelitian ini menggunakan jenis penelitian *quasi experimental research* tipe *pretest-posttest nonequivalent-group desain*. Populasi penelitian adalah siswa kelas IV SD Negeri Banyubiru 2. Sampel penelitian adalah 32 siswa kelas IVA sebagai kelas eksperimen dan 32 siswa kelas IVB sebagai kelas kontrol. Instrumen penelitian yang digunakan adalah tes dan non-tes. Instrumen tes terdiri dari 13 soal *pretest* dan 13 soal *posttest* yang telah diuji validitas konstruk yaitu r hitung $> 0,361$. Instrumen tes tersebut juga diuji reliabilitasnya dengan hasil *pretest* sebesar 0,810 dan soal *posttest* sebesar 0,818. 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 IVA dan IVB SD N Banyubiru 2.

Hasil penelitian menunjukkan bahwa penggunaan media pembelajaran berbasis metode Montessori materi sistem pendengaran manusia berpengaruh terhadap hasil belajar siswa. Hal tersebut ditunjukkan hasil uji selisih skor kelas eksperimen dan kelas kontrol signifikan (*2-tailed*) $0,000 < 0,05$ yang artinya terdapat perbedaan yang signifikan antara kelas eksperimen dan kelas kontrol. Pengaruh perlakuan kelas eksperimen ditunjukkan dengan $r = -0,618$, $r^2 = 0,3819$, dan presentase 38,19% yang berarti memiliki efek besar.

Kata kunci : media pembelajaran berbasis metode Montessori, hasil belajar

ABSTRACT***THE INFLUENCE OF MONTESSORI METHOD BASED LEARNING MEDIA USAGE OF HUMAN HEARING SYSTEM SUBJECT ON FOURTH GRADERS' SCIENCE LEARNING OUTCOMES***

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Nowadays, there are many learning materials that are difficult to be understood; one of them is science. Hence, it caused the students to obtain low study result. One of the methods that can be used to overcome this problem is the Montessori-based learning media. This research aims to see the influence of the Montessori-based learning media usage of human hearing system subject on fourth graders' study result.

This research uses quasi experimental research with the type of pretest-posttest nonequivalent-group design method. The population of this research is the fourth graders of SDN Banyubiru 2. The sample of this research is 32 students in class IVA that functions as an experiment class and the 32 students in class IVB that functions as a control class. The research instruments used in this research are test and non-test instruments. The test instruments are consisted of 13 pre-test questions and 13 post-test questions, which have been construct validity tested and are higher than r table 0,361. The reliability of the test instruments mentioned above has also been determined with the pre-test result of 0,810 and post-test result of 0,818. The results show that pre-test and post-test questions have a good reliability. The non-test instruments are made up of observation sheets and lesson plan. The validity of the lesson plan instrument has been tested by two experts who are the teachers of class IVA and IVB from SDN Banyubiru 2.

The result of this research shows that the Montessori-based learning media of human hearing system does influence students' learning outcomes. It is shown by the significant score gap between the experiment class and the control class (2-tailed) $0,000 < 0,05$ which means there are significant differences between the experiment and the control class. The influence of the experiment class is shown by $r = -0,618, r^2 = 0,3819$, with the percentage of 38,19% which means a great effect.

Keywords: Montessori Method based learning media, learning outcomes.