

ABSTRAK**PENGARUH PENGGUNAAN MEDIA PEMBELAJARAN IPA BERBASIS METODE MONTESSORI MATERI DAUR HIDUP HEWAN TERHADAP HASIL BELAJAR SISWA KELAS IV SD**

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2018

Berdasarkan hasil observasi dan wawancara di SD Negeri Panembahan Yogyakarta, menunjukkan hasil belajar IPA materi daur hidup hewan kelas IV masih rendah. Dalam penelitian ini, peneliti ingin mengujicobakan media pembelajaran IPA berbasis metode Montessori materi daur hidup hewan terhadap hasil belajar siswa. Berdasarkan latar belakang tersebut tujuan penelitian ini adalah ingin mengetahui pengaruh media pembelajaran IPA berbasis metode Montessori materi daur hidup hewan terhadap hasil belajar siswa kelas IV SD.

Penelitian ini menggunakan metode eksperimen jenis *Quasi Experimental tipe Nonequivalent control group design*. Populasi penelitian ini adalah siswa kelas IV SD Negeri Panembahan Yogyakarta dengan jumlah 59 siswa. Sampel dalam penelitian ini adalah siswa kelas IV A sebanyak 30 siswa dan kelas IV B sebanyak 29 siswa. Kelompok kontrol dalam penelitian ini adalah kelas IV B dan yang menjadi kelompok eksperimen adalah kelas IV A. Instrumen penelitian yang digunakan adalah tes dan non tes. Instrumen tes terdiri dari 14 soal *pretest* dan 12 soal *posttest* yang telah diuji validitas konstruk yaitu r hitung $> 0,361$. Instrumen tes tersebut juga diuji reliabilitasnya dengan hasil *pretest* sebesar 0,704 dan soal *posttest* sebesar 0,678. 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 IV A dan IV B SD Negeri Panembahan Yogyakarta.

Hasil penelitian menunjukkan bahwa penggunaan media pembelajaran berbasis metode Montessori materi daur hidup hewan terhadap hasil belajar siswa. Hal tersebut ditunjukkan hasil uji selisih skor kelompok eksperimen dan kelompok kontrol signifikan (*2-tailed*) $0,042 < 0,05$ yang artinya terdapat perbedaan yang signifikan antara kelompok eksperimen dan kelompok kontrol. Pengaruh perlakuan kelompok eksperimen ditunjukkan dengan $r = -0,6171$, $r^2 = 0,3808$, dan presentase 38,08 % yang berarti memiliki pengaruh besar.

Kata kunci : media pembelajaran IPAberbasis metode Montessori, hasil belajar siswa

ABSTRACT***THE INFLUENCE OF THE USED OF LEARNING MEDIA BASED ON THE METHOD OF MONTESSORI ANIMAL LIFE CYCLE MATERIAL TO THE LEARNING OUTCOMES OF SCIENCE STUDENTS OF GRADE IV ELEMENTARY SCHOOL***

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Based on the results of observations and interviews at Panembahan Yogyakarta Elementary School, showed that the learning outcomes of science in the material of life cycle for fourth grade animals were still low. In this study, the researcher wanted to try out the science learning media based on the Montessori method of animal life cycle material on student learning outcomes. Based on this background the purpose of this study was to determine the effect of science learning media based on Montessori methods of animal life cycle material on learning outcomes of fourth grade elementary school students

The research used Quast Experimental type Nonequivalent control group design. The population of the research is the students of grade IV of Panembahan Yogyakarta Elementary School. The subject are 59 students, consist of 30 student of Class IV A and 29 students of Class VI B. The control class in this study was Class IV B and the experimental Class was Class IV A. The research instruments used were tests and non-tests. The test instrument consists of 14 pretest questions and 12 posttest questions which have been tested for construct validity, namely $r_{count} > 0.361$. The test instruments were also tested for reliability with the results of the pretest of 0.704 and the posttest of 0.678. These results indicate that the pretest and posttest questions have good reliability. The Non-test instruments consist of observation sheets and RPP. The RPP instruments have been tested for content validity by the teachers of Class IV A and IV B at Panembahan Yogyakarta Elementary School.

The results showed that the use of learning media based on the Montessori method of animal life cycle material on student learning outcomes. This was shown by the results of the score difference test of the experimental group and the significant (2-tailed) control group $0.042 < 0.05$ which meant that there were significant differences between the experimental group and the control group. The influence of the treatment of the experimental group is shown by $r = -0.6171$, $r^2 = 0.3808$, and the percentage is 38.08% which means it has a large influence.

Keywords: science learning media based on Montessori method, student learning outcomes