

ABSTRAK

Efa Apriani (2016), Pengaruh Pembelajaran Etnomatematika Sunda Terhadap Kemampuan Berpikir Reflektif dan Disposisi Matematis Siswa Sekolah Dasar.

Kemampuan berpikir reflektif dan disposisi matematis kurang mendapat perhatian dari guru dalam proses pembelajaran matematika di SD, terlihat dari proses pembelajaran yang tidak di rancang secara menyenangkan dan penuh tantangan. Pembelajaran etnomatematika Sunda (PES) menjadi inovasi dalam pembelajaran matematika dengan melibatkan budaya Sunda. Berbagai wujud budaya Sunda dimanfaatkan sebagai media belajar, seperti kain batik baduy, permainan engklek dan pengukuran dengan jengkal tangan pada konsep luas dan keliling persegi dan persegi panjang. Diharapkan PES terdapat pengaruh lebih baik terhadap kemampuan berpikir reflektif dan disposisi matematis siswa serta mampu mengembangkan budi pekerti siswa sesuai dengan nilai filosofi Sunda. Subjek penelitian adalah siswa kelas III di salah satu SDN Kecamatan Taktakan Serang. Seluruh subjek memiliki latar belakang budaya yang berbeda. Peneliti ini menerapkan metode *quasi eksperimen* dengan pelaksanaan pretes dan pascates terhadap kelas eksperimen dan kontrol. Data penelitian dihimpun menggunakan instrumen tes dan non tes. Akhir penelitian membuktikan kemampuan berpikir reflektif matematis kelas eksperimen lebih baik dibandingkan kelas kontrol. Jumlah rata-rata pascates kelas eksperimen dan kelas kontrol ialah 68,91 dan 60,47. Tingkat disposisi matematis kelas eksperimen juga menunjukkan lebih baik dari kelas kontrol. Jumlah rata-rata kelas eksperimen 51,22 dan kelas kontrol adalah 48,94. Hasil analisis instrumen non tes menyimpulkan siswa lebih meminati aktivitas pembelajaran dengan melibatkan budaya, siswa juga lebih percaya diri dan tekun melalui PES.

Kata Kunci: Pembelajaran Etnomatematika Sunda, Kemampuan Berpikir Reflektif Matematis, Disposisi Matematis

THE INFLUENCE OF SUNDA ETHNOMATHEMATICS TO THE REFLECTIVE THINKING ABILITY AND MATHEMATICAL DISPOSITION OF ELEMENTARY SCHOOL STUDENTS

Abstract

Reflective thinking ability and dispositions mathematically received less attention from teacher in the process of learning mathematics in elementary school, show of the learning process is not designed in a fun and challenging. ethnomathematics Sunda into innovation involves the study of mathematics by Sundanese culture. Various forms of Sundanese culture is used as a media and learning resources in the learning process, such as the use of batik fabric Baduy, play hopscotch, and inch measurement concept with hands on the material concept of area and perimeter of square and rectangular. Through the study is expected to have a better effect on the ability to think reflectively and students' mathematical disposition. Through ethnomathematics Sunda also help develop the character of the students through the grades of Sunda philosophy as well as keeping the cultural inheritance. The research uses quasi experimental method with the implementation of the pre-test and post-test of the experimental and control classes. Experimental class learning ethnomathematics Sunda get treatment and control classes using expository. Collecting data using test instruments and non test. The results showed the ability to think mathematically reflective experimental class is better than the control class. The difference in the average value of the pre-test and post test are 3.28 and 8.44. Likewise students' mathematical disposition experimental class is better than the control class. Difference in value of the average pre-test and post test mathematical disposition of 0.5 and 2.28. Analysis of the non-test instruments concluded that students enjoy learning activities involving culture and show a positive attitude in accordance with the value of the philosophy of Sunda. Thus, learning Sundanese ethnomathematics have better effect on the ability to think reflectively and students' mathematical disposition.

Keywords: learning ethnomathematics sundanese, reflective thinking skills mathematical, mathematical disposition



Efa Apriani, 2016

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DAN DISPOSISI MATEMATIS SISWA SEKOLAH DASAR*

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