

ABSTRAK

Madhania, Laila Rizki. (2014). *Pengaruh penggunaan metode mind map terhadap kemampuan evaluasi dan inferensi pada mata pelajaran IPA di SD Tarakanita Bumijo Yogyakarta. Skripsi. Yogyakarta: Program Studi Pendidikan Guru Sekolah Dasar, Universitas Sanata Dharma.*

Latar belakang penelitian ini adalah untuk mengujicobakan metode *mind map* terhadap kemampuan *evaluasi* dan *inferensi*. Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan metode *mind map* pada mata pelajaran IPA terhadap kemampuan *evaluasi* dan *inferensi* siswa kelas IV SD Tarakanita Bumijo Yogyakarta pada semester genap tahun ajaran 2013/2014. Jenis penelitian yang digunakan adalah *quasi-experimental design* tipe *non-equivalent control group design*. Populasi diambil dari siswa kelas IV berjumlah 149 siswa. Sebanyak 28 siswa (kelas IVA3) sebagai sampel kelompok eksperimen dan 30 siswa (kelas IVA1) sebagai sampel kelompok kontrol. Variabel independennya adalah metode *mind map* dan variabel dependennya adalah kemampuan *evaluasi* dan *inferensi*. Teknik pengumpulan data yang digunakan adalah *test*. Analisis statistik dengan program *IBM SPSS Statistics 22 for Windows* dengan tingkat kepercayaan 95%.

Hasilnya sebagai berikut: *pertama*, penggunaan metode *mind map* berpengaruh terhadap kemampuan *evaluasi*. Berdasarkan uji selisih skor *pretest* dan *posttest I* terhadap kemampuan *evaluasi* diperoleh *sig. (2-tailed)* sebesar 0,027 (atau $p < 0,05$) dengan nilai $M = 1,0179$, $SD = 0,73$, $SE = 0,14$, dan $t(56) = -2,27$. Besar pengaruh penggunaan metode *mind map* terhadap kemampuan *evaluasi* menunjukkan efek besar dengan harga $r = 0,81$ atau 67%. *Kedua*, penggunaan metode *mind map* berpengaruh terhadap kemampuan *inferensi*. Berdasarkan uji selisih skor *pretest* dan *posttest I* terhadap kemampuan *inferensi* diperoleh *sig. (2-tailed)* sebesar 0,000 (atau $p < 0,05$) dengan nilai $M = 1,000$, $SD = 0,82$, $SE = 0,16$, dan $t(56) = -4,941$. Besar pengaruh penggunaan metode *mind map* terhadap kemampuan *inferensi* menunjukkan efek besar dengan harga $r = 0,77$ atau 60%.

Kata kunci: metode *mind map*, kemampuan *evaluasi*, kemampuan *inferensi*, mata pelajaran IPA.

ABSTRACT

Madhania, Laila Rizki. (2014). The effect of the use of mind map method on evaluation and inference abilities in science subject at SD Tarakanita Bumijo Yogyakarta. Thesis. Yogyakarta: Elementary Teacher Education Study Program, Sanata Dharma University.

The background of this research was to test the mind map method on the evaluation and inference abilities. This research was aimed to determine the effect of the use of mind map method in science subject on the evaluation and inference abilities of the fourth grade students at SD Tarakanita Bumijo Yogyakarta in the second semester in the academic year of 2013/2014. The type of the research used was quasi-experimental design, with non-equivalent control group design type. The population was taken from the fourth grade students consisting of 149 students. As many as 28 students (class IVA3) were selected as the samples of the experimental group and 30 students (class IVA1) were selected as the samples of the control group. The independent variable was the mind map method and the dependent variables were evaluation and inference abilities. The data collection technique used was tests. The data analysis used parametric statistics tests by using IBM SPSS Statistics 22 for Windows computer program with 95% of confidence interval.

The result was as the following: first, the use of the mind map method affected the ability of the evaluation. Based on the difference in test scores of the pretest and posttest I on the evaluation ability, it was obtained that the price of sig. (2-tailed) is 0,027 (or $p < 0,05$), with M value = 1,0179, SD = 0,73, SE = 0,14, and $t(56) = -2,27$. The amount of the effect of the use of mind map method on the evaluation ability showed a large effect, with r price = 0,81 or by 67%. Second, the use of mind map method affected the inference ability. Based on the difference in the test scores of pretest and posttest I on the inference ability, it was obtained that the price of sig. (2-tailed) is 0,000 (or $p < 0,05$), with M value = 1,000, SD = 0,82, SE = 0,16, and $t(56) = -4,941$. The amount of the effect of the use of mind map method on the inference ability showed a large effect with r price = 0,77 or by 60%.

Keywords: mind map method, evaluation ability, inference ability, natural science subject.