

Yuliana. 2019. *Pengaruh Model Pembelajaran Reciprocal Teaching Berorientasi Kecerdasan Matematis Logis Terhadap Kemampuan Komunikasi Matematik Siswa Kelas IV SDN Pademawu Barat I*. Skripsi. Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing I: Mohammad Edy Nurtamam, S.Pd., M.Si., Pembimbing II: Indah Setyo Wardhani, M. Pd.,

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran reciprocal teaching berorientasi kecerdasan matematis logis terhadap kemampuan komunikasi matematik serta mendeskripsikan keterlaksanaan pembelajaran dengan model pembelajaran *reciprocal teaching* berorientasi kecerdasan matematis logis terhadap kemampuan komunikasi matematik siswa kelas IV SDN Pademawu Barat I. Penelitian ini merupakan penelitian kuantitatif dengan desain *Quasi Eksperimental* jenis *Nonequivalen Control Group Design*. Penelitian dilakukan di kelas IV SDN Pademawu Barat I yang berjumlah 42 siswa. Teknik pengambilan sampel menggunakan teknik sampling jenuh. Instrumen yang digunakan adalah tes kemampuan komunikasi matematik dan lembar observasi aktivitas guru dan siswa. Berdasarkan hasil perhitungan uji-t dua sampel independen diperoleh data *posttest* dengan nilai $t_{hitung} = 12,913$ dan $t_{tabel} = 2,021$ oleh karena nilai $t_{hitung} = 12,913 > t_{tabel} = 2,021$ maka H_0 ditolak dan H_a diterima sehingga dapat disimpulkan bahwa ada pengaruh model pembelajaran reciprocal teaching berorientasi kecerdasan matematis logis terhadap kemampuan komunikasi matematik siswa kelas IV SDN Pademawu Barat I. Keterlaksanaan pembelajaran ditinjau dari rata-rata nilai aktivitas siswa kelas eksperimen mengalami peningkatan dari 77,14% menjadi 82,38%, sedangkan nilai aktifitas guru mengalami peningkatan dari 90% menjadi 100% dengan kategori sangat baik.

Kata Kunci: Reciprocal teaching, kecerdasan matematis logis, kemampuan komunikasi matematik

Yuliana. 2019. *The Effects of Reciprocal Teaching Learning Mathematical Oriented Intelligence Learning Model on Mathematical Communication Ability of Class IV Students of Pademawu Barat Elementary School I*. Thesis. Primary School Teacher Education Study Program , Faculty of Education, University of Trunojoyo Madura. Advisor I: Mohammad Edy Nurtamam, S.Pd., M.Si., Advisor II: Indah Setyo Wardhani, M. Pd.

ABSTRACT

This study aimed to determine the effect of reciprocal teaching-learning model oriented logical-mathematical intelligence on mathematical communication skills and describe the implementation of learning with reciprocal teaching-learning models oriented logical-mathematical intelligence towards mathematical communication skills of fourth-grade students at Pademawu Barat Elementary School I. This research was a quantitative research design Quasi-Experimental type of Nonequivalent Control Group Design. The study was conducted in class IV SDN Pademawu Barat I, amounting to 42 students. The sampling technique used a saturated sampling technique. The instruments used were tests of mathematical communication skills and observation sheets of teacher and student activities. Based on the results of t-test calculations of two independent samples obtained posttest data obtained value $t_{\text{count}} = 12,913$ with $t_{\text{table}} = 2,021$ because the value $t_{\text{count}} = 12,913 > t_{\text{table}} = 2,021$ then H_0 was rejected and H_a was accepted so that it can be concluded that there was an influence of reciprocal teaching-learning model oriented logical-mathematical intelligence towards mathematical communication skills of fourth grade students of Pademawu Barat Elementary School I. Implementation of learning is reviewed from the average value of experimental class student activities has increased from 77.14% to 82.38%, while the value of teacher teaching activities has increased from 90% to 100% with very good categories.

Keywords: Reciprocal teaching, logical-mathematical intelligence, mathematical communication skills