

ABSTRAK

Rahayu, R. E. (2021). *Pengaruh Model Pembelajaran Learning Cycle 7E Terhadap Kemampuan Komunikasi Matematis Di Kelas VIII MTs Bilingual Sabilil Khoir*. Skripsi. Program Studi Pendidikan Matematika Sekolah Tinggi Keguruan dan Ilmu Pendidikan (STKIP) PGRI Sidoarjo.

Pembimbing: (1) Risdiana Chandra Dhewy, S.Si., M.Si. (2) Intan Bigita Kusumawati, S.Pd., M.Pd.

Kata kunci: *Pengaruh, Model Pembelajaran Learning Cycle 7E, Kemampuan Komunikasi Matematis.*

Penelitian ini bertujuan untuk menganalisis dan menelaah secara mendalam adakah pengaruh positif model pembelajaran *Learning Cycle 7E* terhadap kemampuan komunikasi matematis siswa MTs. Metode penelitian ini menggunakan pendekatan kuantitatif. Sampel penelitian ini adalah siswa kelas VIII MTs Bilingual Sabilil Khoir yaitu siswanya sebanyak 27 siswa. Instrumen penelitian ini berupa observasi aktivitas guru sebanyak 16 indikator, observasi aktivitas siswa sebanyak 9 indikator dan tes kemampuan komunikasi matematis sebanyak 4 butir soal uraian. Hasil penelitian ini memperoleh kesimpulan bahwa, kemampuan komunikasi matematis siswa MTs dipengaruhi positif oleh model pembelajaran *Learning Cycle 7E* sebesar 42,5%, sedangkan 57,5% dipengaruhi oleh faktor lain selain model pembelajaran *Learning Cycle 7E*.



ABSTRACT

Rahayu, R. E. (2021). *The Effect of Learning Cycle 7E model on Mathematical Communication Skills in Eighth grade students of MTs Bilingual Sabilil Khoir. Thesis. Mathematics Education Study Program STKIP PGRI Sidoarjo.*

Advisors: (1) Risdiana Chandra Dhewy, S.Si., M.Si. (2) Intan Bigita Kusumawati, S.Pd., M.Pd.

Keywords: *the effects, Learning Cycle 7E Model, mathematical communication skills*

This research aims to analyze and examine in depth whether there is a positive influence of the Learning Cycle 7E model on the mathematical communication skills of MTs students. This research uses a quantitative research method. The sample of this study was the eighth grade students of MTs Bilingual Sabilil Khoir, namely 27 students. The instrument of this research as followed the observation of teacher activity were 16 indicators, observation of student activity were 9 indicators and Mathematical communication ability test were 4 item of essay questions. The results of this study concluded that the mathematical communication ability of MTs students was positively influenced by the Learning Cycle 7E model by 42.5%, while 57.5% was influenced by other factors besides the Learning Cycle 7E model.

