# ABSTRAK

**Rizki Aprina Nuranti, NIM 4192411030 (2019). Pengaruh Model Pembelajaran PBL Terhadap Kemampuan Komunikasi Matematis Siswa Kelas VIII MTs Al-Ittihadiyah Percut.**

Penelitian eksperimen semu ini bertujuan untuk mengatahui pengaruh model pembelajaran PBL terhadap kemampuan komunikasi matematis siswa kelas VIII MTs Al-Ittihadiyah Percut. Kemampuan komunikasi matematis adalah salah satu kemampuan bermatematika dasar yang harus dimiliki oleh tiap siswa. Melalui komunikasi, terdapat proses penyampaian ide atau gagasan secara lisan ataupun tulisan sehingga menciptakan suatu pemahaman. Populasi penelitian ini adalah seluruh siswa kelas VIII MTs Al-Ittihadiyah Percut tahun ajaran 2022/2023. Sampel penelitian ini adalah seluruh siswa kelas VIII MTs Al-Ittihadiyah dimana terdapat kelas VIII-1 sebagai kelas kontrol sebanyak 24 siswa dan kelas VIII-2 sebagai kelas eksperimen sebanyak 26 siswa yang diambil dengan teknik *sampling jenuh*. Penelitian ini menggunakan desain *Nonequivalent Pretest-Posttest Control Group Desain*. Analisis data menggunakan regresi linier sederhana dan uji-t. Berdasarkan hasil penelitian diperoleh kesimpulan pengaruh model pembelajaran PBL lebih baik dari model pembelajaran biasa terhadap kemampuan komunikasi matematis siswa dan tingkat kemampuan siswa yang diberi model pembelajaran PBL lebih baik dari siswa yang diberi model pembelajaran biasa.

Kata Kunci*: Problem Based Learning*, Kemampuan Komunikasi Matematis Siswa, Regresi.

# ABSTRACT

**Rizki Aprina Nuranti, NIM 4192411030 (2019). The Effect Of Problem Based Learning (PBL) Model on Mathematical Communication Ability Of Class VIII MTs Al-Ittihadiyah Percut.**

This quasi-experimental research to determine the effect of the problem learning model on the mathematical communication abilities of class VIII of MTs Al-Ittihadiyah Percut. Mathematical communication ability is one of the basic mathematical abilities that every student should have. Through communication, there is a process of conveying ideas or ideas verbally or in writing so as to create an understanding. The population of this study were all class VIII students of MTs Al-Ittihadiyah Percut for the 2022/2023 academic year. The sample of this study were all students of class VIII MTs Al-Ittihadiyah there were class VIII-1 as the control class of 24 students and class VIII-2 as the experimental class of 26 students taken by saturated sampling technique. This research used the Nonequivalent Pretest-Posttest Control Group Design. Data analysis uses simple linear regression and Independent Sample T-Test. Based on the results of the research it was concluded that the effect of the problem based learning model was better than the normal learning model on students' mathematical communication abilities and the level of ability of students who were given the problem based learning model was better than students who were given the ordinary learning model.

Keywords: Problem Based Learning, Mathematical Communication Ability, Regression.