

## ABSTRAK

**Fachjriani Nur Destianti, 1192050036. (2023). "Penerapan Model Pembelajaran Konstruktivisme dengan Strategi *Inquiring Minds Want to Know* untuk Meningkatkan Kemampuan Representasi Matematis Siswa"**

Tujuan dari penelitian ini adalah untuk mengetahui: peningkatan kemampuan representasi matematis siswa yang memperoleh model pembelajaran Konstruktivisme dengan Strategi *Inquiring Minds Want to Know*; peningkatan kemampuan representasi matematis siswa yang memperoleh model pembelajaran konvensional; perbedaan peningkatan kemampuan representasi matematis siswa yang memperoleh model pembelajaran Konstruktivisme dengan Strategi *Inquiring Minds Want to Know* dengan yang memperoleh model pembelajaran konvensional; minat siswa terhadap pembelajaran matematika yang menggunakan model pembelajaran Konstruktivisme dengan Strategi *Inquiring Minds Want to Know*. Penelitian ini dilakukan disalah satu SMP Islam di Bogor. Populasi pada penelitian ini siswa kelas VII dengan sampel penelitian siswa kelas VII-C dan VII-D. Instrumen penelitian yang digunakan yaitu tes kemampuan representasi matematis dengan kriteria validitas tinggi serta lembar angket minat siswa. Hasil penelitian yaitu sebagai berikut: peningkatan kemampuan representasi matematis siswa yang memperoleh model pembelajaran Konstruktivisme dengan Strategi *Inquiring Minds Want to Know* memiliki rata-rata gain ternormalisasi dengan kategori tinggi; peningkatan kemampuan representasi matematis siswa yang memperoleh pembelajaran dengan model konvensional memiliki rata-rata gain ternormalisasi dengan kriteria sedang; terdapat perbedaan peningkatan kemampuan representasi siswa yang memperoleh model pembelajaran Konstruktivisme dengan Strategi *Inquiring Minds Want to Know* dengan siswa yang memperoleh model pembelajaran konvensional; serta minat siswa terhadap pembelajaran matematika yang memperoleh model pembelajaran Konstruktivisme dengan Strategi *Inquiring Minds Want to Know* sangat tinggi.

**Kata Kunci:** model Konstruktivisme dengan Strategi *Inquiring Minds Want to Know*, Kemampuan Representasi Matematis

## ABSTRACT

**Fachjriani Nur Destianti, 1192050036. (2023). "Application of the Constructivist Learning Model with the Inquiring Minds Want to Know Strategy to Improve Students' Mathematical Representation Ability"**

The aim of this research is to find out: increasing the mathematical representation abilities of students who receive the Constructivism learning model with the Inquiring Minds Want to Know Strategy; increasing the mathematical representation abilities of students who receive conventional learning models; differences in the increase in mathematical representation abilities of students who received the Constructivism learning model with the Inquiring Minds Want to

Know Strategy and those who received the conventional learning model; students' interest in learning mathematics using the Constructivism learning model with the Inquiring Minds Want to Know Strategy. This research was conducted at one of the Islamic Middle Schools in Bogor. The population in this study was class VII students with a research sample of class VII-C and VII-D students. The research instruments used were a mathematical representation ability test with high validity criteria and a student interest questionnaire sheet. The results of the research are as follows: an increase in the mathematical representation abilities of students who received the Constructivism learning model with the Inquiring Minds Want to Know Strategy had a normalized average gain in the high category; increasing the mathematical representation ability of students who receive learning using conventional models has an average normalized gain with medium criteria; there is a difference in the increase in representational abilities of students who receive the Constructivism learning model with the Inquiring Minds Want to Know Strategy and students who receive the conventional learning model; and students' interest in learning mathematics who receive the Constructivism learning model with the Inquiring Minds Want to Know Strategy is very high.

**Keywords:** Constructivism model, Inquiring Minds Want to Know Strategy, Mathematical Representation Ability

