ABSTRAK

Audita Marselina Manik, NIM 4192411029 (2023). Perbedaan Kemampuan Koneksi Matematis Siswa Yang Diajar Melalui Model Pembelajaran Berbasis Masalah Dan Konvensional Di Kelas VIII SMP Negeri 7 Medan.

Penelitian ini bertujuan untuk mengetahui perbedaan kemampuan koneksi matematis siswa yang diajar melalui model pembelajaran berbasis masalah dan konvensional pada pokok bahasan statistika di kelas VIII SMP Negeri 7 Medan. Penelitian didesain dengan membagi sampel menjadi dua kelompok yakni kelas VIII-4 sebagai kelas eksperimen (menggunakan model pembelajaran berbasis masalah) dan kelas VIII-5 sebagai kelas kontrol (menggunakan model pembelajaran konvensional) dan dilaksanakan pada bulan Mei 2023 di SMP Negeri 7 Medan, kedua kelas diberikan tes kemampuan koneksi matematis. Data amatan dianalisis dengan menggunakan uji t. Hasil penelitian menunjukkan bahwa terdapat perbedaan kemampuan koneksi matematis siswa yang diajar melalui model pembelajaran berbasis masalah dan konvensional pada pokok bahasan statistika di kelas VIII SMP Negeri 7 Medan yakni kemampuan koneksi matematis siswa yang diajar menggunakan model pembelajaran berbasis masalah lebih tinggi daripada siswa yang diajar menggunakan model pembelajaran konvensional.

Kata kunci: Model pembelajaran berbasis masalah, model pembelajaran konvensional, kemampuan koneksi matematis, Statistika.

ABSTRACT

Audita Marselina Manik, NIM 4192411029 (2023). Differences in The Mathematical Connection Ability of Students Taught Through Problem-Based and Conventional Learning Models in Class VIII of SMP Negeri 7 Medan.

This study aims to determine differences in the mathematical connection ability of students who are taught through problem-based and conventional learning models on the subject of statistics in class VIII SMP Negeri 7 Medan. The research was designed by dividing the sample into two groups, namely class VIII-4 as an experimental class (using a problem-based learning model) and class VIII-5 as a control class (using a conventional learning model) and was carried out in May 2023 at SMP Negeri 7 Medan, both class is given a mathematical connection ability test. Observational data were analyzed using the t test. The result of the study showed that there were differences in the mathematical connection abilities of students who were taught through problem-based and conventional learning models on the subject of statistics in class VIII SMP Negeri 7 Medan, namely the mathematicalconnection abilities of students who were taught using problem-based learning model were higher than students who were taught using conventional learning model.

Keywords: problem-based learning model, conventional learning model, mathematical connection ability, statistics.