ABSTRAK

Sari Devi Pratiwi, NIM 4151111089 (2021). Peningkatan Kemampuan Pemahaman Konsep Matematis Siswa Melalui Model *Problem Based Learning* dengan Konteks Budaya Aceh.

Penelitian ini bertujuan untuk mengetahui: (1) Apakah kemampuan pemahaman konsep matematis siswa yang diajarkan melalui model *Problem Based Learning* berbasis budaya Aceh lebih tinggi dari pada siswa yang diajarkan melalui model pembelajaran langsung. (2) Proses penyelesaian jawaban siswa terkait kemampuan pemahaman konsep matematis yang diajarkan dengan model *Problem Based Learning* dengan konteks budaya Aceh dan pembelajaran langsung. Jenis penelitian ini adalah *quasi experiment*. Populasi dalam penelitian ini adalah seluruh siswa kelas VIII SMP Negeri 1 Langsa tahun ajaran 2020/2021 dan mengambil sampel sebanyak dua kelas (kelas eksperimen 1 dan kelas eksperimen 2 yang terdiri dari 64 siswa). Kelas eksperimen 1 diberi perlakuan model *Problem Based Learning* dengan konteks budaya Aceh dan kelas eksperimen 2 diberi perlakuan model pembelajaran langsung. Instrumen yang dilakukan adalah Uji T. Hasil penelitian menunjukkan bahwa (1) Kemampuan pemahaman konsep matematis siswa yang diterapkan model *Problem Based Learning* dengan Konteks Budaya Aceh lebih tinggi daripada kemampuan pemahaman konsep matematis siswa yang diterapkan model pembelajaran langsung (2) Proses penyelesaian jawaban siswa terhadap kemampuan pemahaman konsep matematis yang diajar melalui model *Problem Based Learning* dengan Konteks Budaya Aceh lebih baik daripada kemampuan pemahaman konsep matematis yang diajar melalui model pembelajaran langsung.

Kata Kunci: Pemahaman Konsep, *Problem Based Learning*

ABSTRACT

Sari Devi Pratiwi, NIM 4151111089 (2021). The Ability to Understand Students' Mathematical Concepts Through the Problem Based Learning Model with the Cultural Context of Aceh.

This study was aimed to find out: (1) Wether student ability to understand students' mathematical concepts through the problem based learning model with the cultural context of aceh is higher than students who taught through the of direct instruction. (2) Process completion of student answer related to the ability to understand mathematical concepts taught with a problem based learning model with the cultural context of aceh and direct instruction. This type of research is a quasi-experimental. The population of this study were all students of class VIII in SMP Negeri 1 Langsa for the 2020/2021 school year and take a sample of two classes (class experiment 1 and class experiment 2 consisting of 64 students). Class experiment 1 was treated with problem based learning model with the cultural context of aceh and class experiment 2 are treated with direct instruction. The instrument used was T-test. The results are: (1) the ability to understand students' taught through the problem based learning model with the cultural context of aceh is better than the ability to understand students' taught through the direct instruction.

Key Word: Concept Understanding, Problem Based Learning