

ABSTRAK

RIKI PRASOJO. Pengaruh Pendekatan Pendidikan Matematika Realistik Berbasis Kearifan Lokal Etnik Simalungun Terhadap Kemampuan Pemecahan Masalah Matematis Dan Keterampilan Sosial Siswa. Tesis. Program Studi Magister Pendidikan Matematika. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Negeri Medan. 2025.

Penelitian ini bertujuan untuk menganalisis: (1) perbedaan kemampuan pemecahan masalah matematika peserta didik yang diajar dengan pendekatan PMR berbasis kearifan lokal etnik Simalungun dan pendekatan konvensional; (2) perbedaan keterampilan sosial peserta didik yang diajar dengan pendekatan PMR berbasis kearifan lokal etnik Simalungun dan pendekatan konvensional; (3) interaksi antara pendekatan pembelajaran dan KAM terhadap kemampuan pemecahan masalah peserta didik; (4) interaksi antara pendekatan pembelajaran dan KAM terhadap keterampilan sosial peserta didik. Penelitian ini merupakan penelitian kuantitatif dengan metode eksperimen semu. Populasi pada penelitian ini yaitu seluruh peserta didik SMP Swasta Tunas Harapan Tahun Pelajaran 2023/2024 sebanyak 200 orang. Teknik sampel penelitian ini menggunakan teknik *purposive sampling* dengan memilih kelas VIII-1 dan VIII-2 sebagai sampel untuk diteliti sebanyak 50 orang. Instrumen yang digunakan dalam penelitian ini berupa tes uraian dan angket. Uji dilakukan dengan ANAVA dua jalur. Hasil penelitian menunjukkan bahwa (1) kemampuan pemecahan masalah peserta didik pada kelas pendekatan PMR berbasis kearifan lokal etnik Simalungun lebih baik dari pada kelas pendekatan konvensional; (2) keterampilan sosial peserta didik pada kelas pendekatan PMR berbasis kearifan lokal etnik Simalungun lebih baik dari pada kelas pendekatan konvensional; (3) tidak terdapat interaksi antara pendekatan pembelajaran dan kemampuan awal matematika (tinggi, sedang, dan rendah) terhadap kemampuan pemecahan masalah matematika peserta didik; (4) tidak terdapat interaksi antara pendekatan pembelajaran dan kemampuan awal matematika (tinggi, sedang, dan rendah) terhadap keterampilan sosial peserta didik.

Kata kunci: Kemampuan Pemecahan Masalah, Keterampilan Sosial, Pendekatan PMR, Kearifan Lokal

ABSTRACT

RIKI PRASOJO. *The Influence of Realistic Mathematics Education Approach Based on Simalungun Ethnic Local Wisdom on Students' Mathematical Problem Solving Ability and Social Skills*. Thesis. Master of Mathematics Education Study Program. Faculty of Mathematics and Natural Sciences. State University of Medan. 2025.

This study aims to analyze: (1) the differences in mathematical problem solving abilities of students taught with the PMR approach based on Simalungun ethnic local wisdom and the conventional approach; (2) the differences in social skills of students taught with the PMR approach based on Simalungun ethnic local wisdom and the conventional approach; (3) the interaction between the learning approach and KAM on students' problem solving abilities; (4) the interaction between the learning approach and KAM on students' social skills. This study is a quantitative study with a quasi-experimental method. The population in this study were all students of Tunas Harapan Private Middle School in the 2023/2024 Academic Year, totaling 200 people. The sampling technique of this study used purposive sampling technique by selecting class VIII-1 and VIII-2 as samples to be studied as many as 50 people. The instruments used in this study were essay tests and questionnaires. The test was carried out with two-way ANOVA. The results of the study showed that (1) the problem-solving ability of students in the PMR approach class based on local wisdom of the Simalungun ethnic group was better than the conventional approach class; (2) the social skills of students in the PMR approach class based on local wisdom of the Simalungun ethnic group were better than the conventional approach class; (3) there was no interaction between the learning approach and initial mathematics abilities (high, medium, and low) on students' mathematical problem-solving abilities; (4) there was no interaction between the learning approach and initial mathematics abilities (high, medium, and low) on students' social skills.

Keywords: Problem Solving Ability, Social Skills, PMR Approach, Local Wisdom