

ABSTRAK

Gulo, Irwan Krisman. 2025. Efektivitas Model *Connected Mathematics Project* terhadap kemampuan koneksi matematis siswa ditinjau dari kemampuan awal di UPTD SMP Negeri 1 Moro'o. Skripsi. Pembimbing Netti Kariani Mendrofa, S.Pd., M.Pd.

Penelitian ini dilatar belakangi berdasarkan hasil studi pendahuluan yang dilakukan peneliti di UPTD SMP Negeri 1 Moro'o. Ditemukan masalah yaitu (1)kemampuan koneksi matematis siswa masih kurang (2)kemampuan awal siswa belum optimal. Tujuan penelitian ini adalah untuk mengetahui efektifitas *connected mathematics project* terhadap kemampuan koneksi matematis ditinjau dari kemampuan awal UPTD SMP Negeri 1 Moro'o. Populasi penelitian ini adalah kelas VIII dan sampel penelitian terdiri dari dua kelas yaitu kelas VIII-A sebagai kelas eksperimen dan kelas VIII-B sebagai kelas kontrol di UPTD SMP Negeri 1 Moro'o yang berjumlah 57 siswa. Teknik pengambilan sampel dilakukan dengan teknik *Nonprobability sampling*. Jenis penelitian ini adalah kuantitatif dengan metode penelitian eksperimen semu (*quasi eksperimen design*), dan instrumen penelitian ini berbentuk uraian kemampuan koneksi matematis siswa. Hasil rata-rata tes dari kelas eksperimen diperoleh sebesar 71,75% dan kelas kontrol sebesar 59,57. Hasil ini menunjukkan adanya peningkatan kemampuan koneksi matematis siswa yang dilihat dari rata-rata tes awal kelas eksperimen diperoleh sebesar 50,24 dan kelas kontrol sebesar 46,14.

Kata Kunci: Kemampuan Koneksi Matematis, Kemampuan Awal, Connected Mathematics Project, Desain Eksperimen Semu

ABSTRACT

Gulo, Iwan Krisman. 2025. The Effectiveness of the Connected Mathematics Project Model on Students' Mathematical Connection Ability Viewed from Initial Ability at UPTD SMP Negeri 1 Moro'o. Undergraduate Thesis. Advisor: Netti Kariani Mendrofa, S.Pd., M.Pd.

This research was motivated by a preliminary study conducted by the researcher at UPTD SMP Negeri 1 Moro'o. The study identified several issues: (1) students' mathematical connection ability was lacking, and (2) students' prior knowledge had not been optimized. The purpose of this study was to determine the effectiveness of the Connected Mathematics Project (CMP) model on students' mathematical connection ability in terms of prior knowledge at UPTD SMP Negeri 1 Moro'o. The population of this study was all eighth-grade students, with the research sample consisting of two classes: class VIII-A as the experimental class and class VIII-B as the control class, totaling 57 students. The sampling technique used was nonprobability sampling. This research employed a quantitative approach with a quasi-experimental design. The research instrument used was a mathematical connection ability essay test. The average test result in the experimental class was 71.75%, while the control class scored 59.57%. These results indicate an improvement in students' mathematical connection ability, as seen from the average pretest score of the experimental class, which was 50.24, compared to the control class's 46.14.

Keywords: *Mathematical Connection Ability, Prior Knowledge, Connected Mathematics Project, Quasi-Experimental Design*