ABSTRAK

Anindya Surya Ramadhani. "**Model Pembelajaran *Connected Mathematics Project* (CMP) Untuk Meningkatkan Kemampuan Penalaran Matematis Peserta Didik"**

Penelitian ini dilatarbelakangi oleh rendahnya kemampuan penalaran matematis yang didukung dari hasil studi pendahuluan. Salah satu alternatif untuk mengatasi permasalahan tersebut yaitu dengan menerapkan model pembelajaran *Connected Mathematics Project* (CMP). Tujuan penelitian ini untuk membantu peserta didik meningkatkan kemampuan penalaran matematis. Penelitian ini dilakukan di SMK Cendikia Paseh dengan populasi seluruh kelas X tahun ajaran 2025/2026. Sampel dari penelitian ini terdiri atas kelas X-Teknik Mesin sebagai kelas eksperimen dan kelas X-Tata Busana sebagai kelas kontrol. Metode yang digunakan pada penelitian ini yaitu quasi experiment dengan desain penelitian yaitu *the nonequivalent pretest-posttest control group design*. Hasil dari penelitian ini menunjukkan bahwa keterlaksanaan aktivitas guru dan peserta didik pada pembelajaran yang menggunakan *Connected Mathematics Project* (CMP) terlaksana dengan baik, peningkatan kemampuan penalaran matematis peserta didik yang mendapatkan model pembelajaran *Connected Mathematics Project* (CMP) lebih baik dibandingkan peserta didik yang mendapatkan model pembelajaran konvensional, pencapaian kemampuan penalaran matematis peserta didik yang mendapatkan model pembelajaran *Connected Mathematics Project* (CMP) lebih baik dibandingkan peserta didik yang mendapatkan model pembelajaran konvensional

Kata Kunci: *Connected Mathematics Project*, Kemampuan Penalaran Matematis

ABSTRACT

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This research was motivated by the low level of students' mathematical reasoning abilities, as evidenced by the results of a preliminary study. One alternative to address this problem is the implementation of the Connected Mathematics Project (CMP) learning model. The purpose of this study was to help students improve their mathematical reasoning abilities. This research was conducted at SMK Cendikia Paseh, with the population consisting of all Grade X students in the 2025/2026 academic year. The sample consisted of Grade X-Teknik Mesin as the experimental class and Grade X-Tata Busana as the control class. The method used in this study was a quasi-experimental method with a nonequivalent pretest-posttest control group design. The results showed that the implementation of teacher and student activities in learning using the Connected Mathematics Project (CMP) model was carried out well. The improvement in mathematical reasoning abilities of students who received the Connected Mathematics Project (CMP) learning model was better than that of students who received conventional learning. Furthermore, the achievement of mathematical reasoning abilities of students who received the Connected Mathematics Project (CMP) learning model was better than that of students who received conventional learning.

Keywords: Connected Mathematics Project, Mathematical Reasoning Abilities