

ABSTRAK

La Ode Wahyu H. La Saleh (2024) *Strategic Competence* Matematis Dan *Self Regulation Skill* Siswa SMA Dalam Pembelajaran Berbasis Proyek Ditinjau Dari Kemampuan Awal Matematika.

Penelitian *mixmapethod* ini bertujuan untuk mendeskripsikan *strategic competence* matematis dan *self regulation skill* siswa yang memperoleh *project based learning* dan pembelajaran konvensional di SMA Negeri 8 Kota Ternate dalam menyelesaikan soal pada materi statistik. Pengumpulan data *strategic competence* matematis dan *self regulation skill* siswa menggunakan teknik observasi, tes, wawancara, dan dokumentasi. Instrumen tes yang digunakan adalah soal tes materi statistik yang telah divalidasi. Data *strategic competence* matematis *self regulation skill* siswa dianalisis secara kuantitatif dan kualitatif. Subjek penelitian ini siswa kelas XI-C dan XI-D, sebanyak 58 siswa, dan dipilih 8 siswa sebagai perwakilan subjek berdasarkan Kemampuan awal. Hasil penelitian menunjukkan bahwa: (1) **Secara keseluruhan**, pencapaian kemampuan koneksi matematis siswa sesudah *project based learning* terdapat masing-masing 14 siswa (24,08%) kategori sangat tinggi, 29 siswa (49,88%), kategori tinggi, 6 siswa (10,32%) kategori sedang, dan 9 (15,48%). *Strategic Competence* matematis siswa yang memperoleh *project based learning*: (1) **ditinjau dari kemampuan awal** terdapat 14 siswa (24,08%) kategori sangat tinggi, 29 siswa (49,88%), kategori tinggi, 6 siswa (10,32%) kategori sedang, dan 9 (15,48%) (2) Pencapaian dan peningkatan *strategic competence* siswa yang memperoleh *project based learning* lebih tinggi daripada siswa yang memperoleh pembelajaran konvensional baik ditinjau dari kemampuan awal maupun secara keseluruhan. (3) Tidak terdapat interaksi antara pembelajaran dan kemampuan awal terhadap pencapaian dan peningkatan *strategic competence* siswa pada materi statistik. (4) terdapat asosiasi antara pembelajaran dengan terhadap *strategic competence* matematis *self regulation skill* terhadap pencapaian dan peningkatan pada materi statistik

Kata Kunci: *Strategic competence* Matematis, *Self regulation skill*, Kemampuan Awal Matematika

ABSTRACT

La Ode Wahyu H. La Saleh (2024). Strategic Mathematical Competence and Self-Regulation Skills of High School Students in Project-Based Learning Reviewed from Initial Mathematical Ability.

This mixed-method study aims to describe the mathematical strategic competence and self-regulation skills of students who receive project-based learning compared to those receiving conventional learning at SMA Negeri 8 Kota Ternate in solving statistical problems. Data collection methods included observation, tests, interviews, and documentation. The test instrument used was a validated assessment focused on statistical material. Data on students' mathematical strategic competence and self-regulation skills were analyzed both quantitatively and qualitatively. The study involved 58 students from grades XI-C and XI-D, with 8 students selected as subject representatives based on their initial abilities. The results of the study show the following: 1) Overall, the achievement of students' mathematical strategic competence after project-based learning was distributed as follows: 14 students (24.08%) in the very high category, 29 students (49.88%) in the high category, 6 students (10.32%) in the moderate category, and 9 students (15.48%) in the low category. 2) When considering initial ability, the achievement of mathematical strategic competence in the project-based learning group was as follows: 14 students (24.08%) in the very high category, 29 students (49.88%) in the high category, 6 students (10.32%) in the moderate category, and 9 students (15.48%) in the low category. 3) The achievement and improvement of strategic competence in students who received project-based learning were higher than in those who received conventional learning, both in terms of initial ability and overall. 4) There was no interaction between learning method and initial ability on the achievement and improvement of students' strategic competence in statistical material. 5) There was a significant association between learning method and mathematical strategic competence in relation to self-regulation skills, influencing both the achievement and improvement on statistical material.

Keywords: *Strategic Mathematical Competence, Self-Regulation Skill, Initial Mathematical Ability*

