

## ABSTRAK

**Sayla Rizqiana Rahmah:** “Penerapan Strategi *Student Team Heroic Leadership* (STHL) Berbantu Zenius untuk Meningkatkan Kemampuan Penalaran Matematis (Penelitian *Pre-Eksperimental* dilakukan di Kelas X MAN 2 Bandung)”

Berdasarkan hasil studi pendahuluan di MAN 2 Bandung, nilai rata-rata tes penalaran matematis masih tergolong rendah. Salah satu alternatif yang dapat digunakan dalam meningkatkan penalaran matematis adalah dengan menerapkan strategi *Student Team Heroic Leadership* (STHL). Penelitian ini bertujuan untuk mengetahui keterlaksanaan pembelajaran dengan menerapkan strategi *Student Team Heroic Leadership* (STHL) pada materi persamaan linear satu variabel dan peningkatan penalaran matematis siswa. Populasi dari penelitian ini adalah siswa kelas X MIPA 2 MAN 2 Bandung, dengan jumlah sampel sebanyak 29 orang. Hasil yang diperoleh dalam penelitian ini: (1) Keterlaksanaan pembelajaran matematika dengan menerapkan penerapan strategi *Student Team Heroic Leadership* (STHL) berbantu zenius mengalami peningkatan pada tiap pertemuan. Rata-rata aktivitas guru sebesar 89,77% dengan kategori sangat baik, dan rata-rata aktivitas siswa sebesar 84,39% dengan kategori sangat baik. (2) Penalaran matematis siswa pada pertemuan kesatu, kedua dan ketiga mengalami peningkatan. Namun, masih ada beberapa siswa yang belum mencapai target ketuntasan panalaran matematis setiap pertemuannya. (3) Peningkatan penalaran matematis siswa mengalami peningkatan tinggi dilihat dari hasil uji hipotesis dan data normal gain. (4) Terdapat perbedaan antara sebelum dan setelah keterlaksanaan pembelajaran matematika strategi *Student Team Heroic Leadership* (STHL) berbantu zenius dimana kesesuaian kemampuan siswa pada indikator yang belum tercapai pada awal studi pendahuluan, telah tergapai.

**Kata kunci:** *Student Team Heroic Leadership* (STHL), zenius, penalaran matematis, persamaan linear satu variabel.

## ABSTRACT

**Sayla Rizqiana Rahmah:** “*Application of Zenius Assisted Student Team Heroic Leadership (STHL) Strategy to Improve Mathematical Reasoning Ability (Pre-Eksperimental Research conducted in Class X MAN 2 Bandung)*”

*Based on the result preliminary study at MAN 2 Bandung, average score of the mathematical reasoning test is relatively low. An alternative that can be used to improve mathematical reasoning is by applying the Student Team Heroic Leadership (STHL) strategy. This study aims to determine feasibility of learning by implementing the Student Team Heroic Leadership (STHL) strategy in one-variable linear equations and upgrading mathematical reasoning student. The population of this study were students of class X MIPA MAN 2 Bandung with a total sample 29 people. The result of obtained were: (1) Implementation of learning mathematics by applying the application Zenius-assisted Student Team Heroic Leadership (STHL) strategy an increase in every meeting steam. The average teacher activity was 89,77% in very good category, and the average student activity was 84,39% in*

*the very good category. (2) Mathematical reasoning in first meeting, second and third an increase. However, there are still some strategies that have not reached the target of completeness mathematical reasoning at each meeting. (3) The upgrading in mathematical reasoning has increased in height seen from the hypothesis test results and normal data gain. (4) there is difference between before and after implementation of mathematics learning Student Team Heroic Leadership (STHL) there was suitability of students' abilities on indicator of reasoning that have not been achieved before, have been achieved.*

**Keywords:** *Student Team Heroic Leadership (STHL), zenius, mathematics reasoning, one-variable linear equations.*

