

## ABSTRAK

### **Eni Nuraeni, (0800509). Penerapan Strategi *Rotating Trio Exchange* (RTE) pada Pembelajaran Matematika untuk Meningkatkan Kemampuan Komunikasi Matematis Siswa SMP.**

Penelitian ini dilatarbelakangi oleh rendahnya kemampuan komunikasi matematis siswa SMP. Adapun tujuan penelitian ini adalah: (1) mengetahui apakah peningkatan kemampuan komunikasi matematis siswa yang mendapat pembelajaran dengan strategi *Rotating Trio Exchange* lebih baik daripada siswa yang mendapat pembelajaran dengan menggunakan model pembelajaran konvensional; (2) mengetahui kualitas peningkatan kemampuan komunikasi matematis siswa yang mendapat pembelajaran dengan strategi *Rotating Trio Exchange* dan yang mendapat pembelajaran dengan model pembelajaran konvensional; dan (3) mengetahui sikap siswa terhadap pembelajaran matematika dengan menggunakan strategi *Rotating Trio Exchange*. Penelitian ini merupakan penelitian kuasi eksperimen pada pokok bahasan sistem persamaan linear dua variabel. Populasi dalam penelitian ini adalah seluruh siswa kelas VIII SMP Negeri 9 Bandung tahun ajaran 2012/2013 dan mengambil dua kelas sebagai sampel dari sejumlah kelas VIII yang ada. Adapun data penelitian diperoleh melalui tes kemampuan komunikasi matematis siswa, lembar observasi, angket, dan jurnal harian siswa. Hasil penelitian menunjukkan bahwa peningkatan kemampuan komunikasi matematis siswa yang mendapat pembelajaran dengan strategi *Rotating Trio Exchange* lebih baik daripada siswa yang mendapat pembelajaran dengan menggunakan model pembelajaran konvensional. Kemudian, kualitas peningkatan kemampuan komunikasi matematis siswa yang mendapat pembelajaran dengan strategi *Rotating Trio Exchange* tergolong sedang, dan kualitas peningkatan kemampuan komunikasi matematis siswa yang mendapat pembelajaran dengan model pembelajaran konvensional tergolong rendah. Selain itu, sebagian besar siswa memberikan sikap positif terhadap pembelajaran matematika dengan menggunakan strategi *Rotating Trio Exchange*, yakni sebagian besar siswa mendukung kegiatan pembelajaran matematika menggunakan strategi *Rotating Trio Exchange*.

**Kata kunci** : *Rotating Trio Exchange*, komunikasi matematis, strategi pembelajaran.

## ABSTRACT

### **Eni Nuraeni, (0800509). Implementation of Strategy Rotating Trio Exchange (RTE) in Mathematics Learning to Improve Communication Skills Mathematically of Junior High School Students.**

This research was motivated by the lack of mathematical communication skill of junior high school students. The objectives of this study were: (1) to know enhancements of mathematical communication skills of students who received learning of strategy Rotating Trio Exchange better than students who received learning by using conventional learning model, (2) to determine the improvement quality of mathematical communication skills of students who received learning of strategy Rotating Trio Exchange and mathematical communication skills of students who received learning with conventional learning models, and (3) determine students' attitudes towards learning mathematics using strategy Rotating Trio Exchange. This research is a quasi-experiment on of systems of linear equations of two variables. The population in this study was all eighth grade students of SMP Negeri 9 Bandung academic year 2012/2013 and took two classes as samples from grade VIII. The research data obtained through mathematical tests students' communication skills, observation sheets, questionnaires, and daily journal of students. The results showed that an increase in mathematical communication skills of students who received learning strategy Rotating Trio Exchange better than students who received learning by using conventional learning models. Afterwards, the improvement quality of mathematical communication skills of students who received learning strategy Rotating Trio Exchange was classified, and quality improvement mathematical communication skills of students who received learning with conventional learning models was low. In addition, most of the students gave positive attitudes towards learning mathematics using strategy Rotating Trio Exchange, which supports students' mathematics learning activities using strategy Rotating Trio Exchange.

**Keywords** : *Rotating Trio Exchange*, mathematical communication, learning strategy