**Penerapan Model Pembelajaran kooperatif tipe TAI (*Team Assisted Individualization)* untuk Meningkatkan Kemampuan Berpikir Kreatif Matematis serta Dampaknya terhadap Motivasi Belajar Siswa**

**Arini Tresna Dewi**

**NPM. 158060040**

**Program Magister Pendidikan Matematikan**

 **Pascasarjana Universitas Pasundan Bandung**

**Email: arinitresna@gmail.com**

**ABSTRAK:** Salah satu masalah dalam pembelajaran matematika adalah rendahnya kemampuan siswa dalam memecahkan masalah (soal cerita), khusususnya soal non rutin hal tersebut disebabkan salah satunya karena kelemahan siswa dalam aspek-aspek kemampuan berpikir kreatif yang diperlukan untuk memecahkan masalah. Selain itu motivasi belajar matematika masih sangat rendah. Untuk mengatasi itu diperlukan model pembelajaran yang seseuai salah satunya adalah model pemebelajaran kooperatif tipe TAI (*Team Assisted Individualization)*.Penelitian *mix method* dengan judul penelitian *“Penerapan Model Pembelajaran Kooperatif Tipe TAI (Team Assited Individualization) untuk Meningkatkan Kemampuan Berpikir kreatif Matematis serta Dampaknya terhadap Motivasi Belajar Siswa”*. Subjek dari penelitian ini adalah siswa SMA Negeri 18 Bandung tahun pelajaran 2017/2018 yaitu siswa semester satu kelas XI IPS 2 sebagai kelas eksperimen dan kelas XI IPS 4 sebagai Kelas kontrol. Hasil penelitian yang didapat adalah 1) peningkatan kemampuan berpikir kreatif matematis siswa yang memperoleh model pembelajaran kooperatif tipe TAI (*Team Assisted Individualization)* lebih baik daripada siswa yang meperoleh pembelajaran konvensional ditinjau dari KAM; 2)peningkatan motivasi belajar siswa yang memperoleh model pembelajaran kooperatif tipe TAI (*Team Assisted Individualization)* lebih baik daripada siswa yang meperoleh pembelajaran konvensional; 3) terdapat hubungan antara kemampuan berpikir kreatif matematis dan motivasi belajar;

**Kata kunci**: Pembelajaran kooperatif tipe TAI (*Team Assisted Individualization*, berpikir kreatif matematis, Motivasi Belajar.

***ABSTRACT***

Arini Tresna Dewi (2018). **Application of Cooperative Learning Model TAI type (Team Assisted Individualization) to Improve Creative Thinking Ability and Mathematical Problem Solving and Its Impact on Student Motivation.**

One of the problems in learning mathematics is the low ability of students in solving problems (the story), especially non routine matter it is caused one of them because of the weakness of students in aspects of creative thinking skills needed to solve the problem. In addition, the motivation to learn math is still very low. To overcome that required learning model one seseuai cooperative learning model type TAI (Team Assisted Individualization). Research mix method with research title "Application of Cooperative Learning Model Type TAI (Team Assited Individualization) to Improve Creative Thinking Ability and Mathematical Problem Solving and Its Impact on Student Learning Motivation". The subjects of this study were students of SMA Negeri 18 Bandung in the academic year 2017/2018 namely the first semester students of class XI IPS 2 as the experimental class and class XI IPS 4 as the control class. The result of the research is 1) the improvement of the ability of mathematical creative thinking of students who get cooperative learning model of TAI type (Team Assisted Individualization) is better than students who obtain conventional learning in terms of KAM (superior and asor); 2) improvement of mathematical problem solving ability of students obtaining cooperative learning model type TAI (Team Assisted Individualization) is better than students who obtain conventional learning in terms of KAM (superior and asor); 3) the improvement of students' learning motivation that obtains cooperative learning model of TAI type (Team Assisted Individualization) is better than students who gain conventional learning; 4) there is a relationship between the ability of mathematical creative thinking and problem-solving abilities; (5) there is a relationship between the ability of mathematical creative thinking and learning motivation; (6) there is a relationship between problem-solving ability and learning motivation.

***Key words:*** Cooperative learning type TAI (Team Assisted Individualization, creative mathematical thinking, Mathematical problem solving, Learning Motivation.

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