

ABSTRAK

Matematika merupakan pelajaran penting untuk perkembangan pola pikir siswa. Kemampuan siswa dalam pelajaran matematika masih rendah. Kegiatan pembelajaran yang diberikan selama ini di sekolah, hanya berorientasi pada guru saja yang menjadikan siswa cenderung hanya berfokus kepada guru sehingga siswa menjadi bosan dalam pelajaran matematika. Untuk itu dilakukan suatu penelitian untuk meningkatkan mutu pendidikan nasional. Penelitian dengan judul “Pembelajaran dengan model kooperatif tipe *Think Pair Share* untuk meningkatkan kemampuan siswa menentukan unsur-unsur segitiga dengan aturan kosinus di kelas X AP SMK Negeri 1 Kabanjahe Tahun Pelajaran 2018/2019”, memiliki rumusan masalah bagaimana pelaksanaan pembelajaran dengan model kooperatif tipe *Think Pair Share* untuk menentukan unsur-unsur segitiga dengan aturan kosinus di kelas X AP SMK Negeri 1 Kabanjahe Tahun Pelajaran 2018/2019, bagaimana ketuntasan belajar siswa dalam menentukan unsur-unsur segitiga dengan aturan kosinus dengan menggunakan model kooperatif tipe *Think Pair Share* di kelas X AP SMK Negeri 1 Kabanjahe Tahun Pelajaran 2018/2019, bagaimana ketercapaian tujuan pembelajaran menggunakan model kooperatif tipe *Think Pair Share* untuk menentukan unsur-unsur segitiga dengan aturan kosinus di kelas X AP SMK Negeri 1 Kabanjahe Tahun Pelajaran 2018/2019, apakah kemampuan siswa menentukan unsur-unsur segitiga dengan aturan kosinus menggunakan model pembelajaran kooperatif tipe *Think Pair Share* lebih baik daripada kemampuan siswa dengan pembelajaran konvensional di kelas X AP SMK Negeri 1 Kabanjahe Tahun Pelajaran 2018/2019.

Jenis penelitian yang digunakan adalah penelitian tindakan kelas (PTK) dengan menggunakan pembelajaran model kooperatif tipe *Think Pair Share* (TPS) pada mata pelajaran matematika. Penelitian ini bertujuan untuk mengetahui pelaksanaan pembelajaran, ketuntasan belajar siswa, ketercapaian tujuan pembelajaran dan kemampuan siswa dengan menggunakan model kooperatif tipe *Think Pair Share* (TPS) lebih baik daripada pembelajaran konvensional dalam menentukan unsur-unsur segitiga dengan aturan kosinus di kelas X AP SMK Negeri 1 Kabanjahe tahun pelajaran 2018/2019.

Berdasarkan analisis data diperoleh bahwa pelaksanaan pembelajaran berkategori baik, ketuntasan hasil belajar telah tercapai, ketercapaian tujuan pembelajaran telah tuntas dan kemampuan siswa menentukan unsur-unsur segitiga dengan aturan kosinus menggunakan model pembelajaran kooperatif tipe *Think Pair Share* lebih baik daripada kemampuan siswa dengan pembelajaran konvensional di kelas X AP SMK Negeri 1 Kabanjahe Tahun Pelajaran 2018/2019.

Kata kunci : Kemampuan, *Think Pair Share*, Pembelajaran Konvensional, Penelitian Tindakan Kelas (PTK), Menentukan Unsur-Unsur Segitiga Dengan Aturan Kosinus.

ABSTRACT

Mathematic was important lesson for the development of student mindsets. Students ability in mathematics was still low. The learning activities provided so far in school are only teacher oriented which makes students tend to only focus on the teacher so that students become bored in mathematics. For this reason, the research was conducted to improve the quality of national education. The research entitled "Learning with cooperative model of Think Pair Share type to improve students ability to determine the elements of triangle with the rule of cosines in class of X AP vocational high school 1 Kabanjahe for academic year 2018/2019, has the formulation of the problem how to implement learning with cooperative model of Think Pair Share type to determine elements of triangle with the rule of cosines in class of X AP vocational high school 1 Kabanjahe for academic year 2018/2019, how the student learning completeness in determine elements of triangle with the rule of cosines by used cooperative model of Think Pair Share type in class of X AP vocational high school 1 Kabanjahe for academic year 2018/2019, how the achievement of learning objectives used cooperative model of Think Pair Share to determine elements of triangle with the rule of cosines in class of X AP vocational high school 1 Kabanjahe for academic year 2018/2019, whether students abilities to determine the elements of triangle with the rule of cosines used cooperative learning Think Pair Share type was better than the ability of students with conventional learning in class of X AP vocational high school 1 Kabanjahe for academic year 2018/2019.

The type of research used was classroom action research used cooperative learning model of Think Pair Share (TPS) type on mathematics subjects. This study aims to determine the implementation of learning, student learning completeness, achievement of learning objectives and students abilities by used cooperative model of Think Pair Share (TPS) type was better than conventional learning in determine elements of triangle with the rule of cosines by used cooperative model of Think Pair Share type in class of X AP vocational high school 1 Kabanjahe for academic year 2018/2019

Based on the data analysis, it was found that the implementation of learning categorized well, the completeness has been achieved, the achievement of learning objective completed and the students abilities in the lesson determine elements of triangle with the rule of cosines used cooperative learning model of Think Pair Share (TPS) type was better than the ability of students that used conventional learning in class of X vocational high school 1 Kabanjahe for academic year 2018/2019.

Keywords : *Ability, Think Pair Share, Conventional Learning, Classroom Action Research, Determine Elements Of Triangle With The Rule Of Cosines.*