

ABSTRAK

Sopyan, A. 22102013. Meningkatkan Kemampuan Literasi Dan *Self Efficacy* Matematis Pada Materi Trigonometri Siswa SMK Kelas X Menggunakan Pendekatan *Realistic Mathematic Education* Berbantuan *Website*.

Penelitian ini bertujuan untuk mengetahui dan menganalisis peningkatan kemampuan literasi dan *self efficacy* matematis siswa yang pembelajaran menggunakan pendekatan *realistic mathematic education* berbantuan *website* lebih baik dari pada pembelajaran biasa, implementasi, respon, Kesulitan-kesulitan yang di alami siswa dalam menyelesaikan soal-soal kemampuan literasi siswa serta kendala yang dihadapi guru dan siswa dalam pembelajaran menggunakan pendekatan *realistic mathematic education* berbantuan *website*. Adapun metode yang digunakan dalam penelitian ini adalah *mix method* dengan desain penelitian *explanatory sequential* yang menggabungkan metode kuantitatif dan metode kualitatif. Populasi dari penelitian ini adalah seluruh siswa kelas X pada salah satu SMK Negeri di Kab. Karawang dengan sampel dua kelas yaitu X TM 3 dan X TPFL 2. Hasil yang diperoleh peningkatan kemampuan literasi dan *self efficacy* matematis siswa yang pembelajaran menggunakan pendekatan *realistic mathematic education* berbantuan *website* lebih baik dari pada pembelajaran biasa. Implementasi pembelajaran yang dilakukan sudah sesuai dengan langkah-langkah pendekatan *realistic mathematic education* dengan berbantuan *website*; respon siswa terhadap pembelajaran menggunakan pendekatan *realistic mathematic education* berbantuan *website* memiliki kriteria baik yaitu 91%.; kesulitan-kesulitan yang di alami siswa terletak pada tahap pemodelan matematika dan kendala yang dihadapi adalah *handphone* yang *error* atau lemot karena memori penuh.

Kata Kunci : Literasi Matematis, *Self-Efficacy*, Pendekatan RME, *Website*.

ABSTRAK

Sopyan, A. 22102013. *Improving Mathematical Literacy and Self-Efficacy Skills in Trigonometry Material of Grade X Vocational High School Students Using the Realistic Mathematic Education Approach Assisted by Websites.*

This study aims to determine and analyze the improvement of mathematical literacy and self-efficacy skills of students whose learning uses the realistic mathematical education approach assisted by websites is better than regular learning, implementation, response, difficulties experienced by students in solving student literacy skills questions and obstacles faced by teachers and students in learning using the realistic mathematical education approach assisted by websites. The method used in this study is a mix method with an explanatory sequential research design that combines quantitative and qualitative methods. The population of this study was all students of class X at one of the State Vocational High Schools in Karawang Regency with a sample of two classes, namely X TM 3 and X TPFL 2. The results obtained are an increase in mathematical literacy and self-efficacy skills of students whose learning uses the realistic mathematical education approach assisted by websites is better than regular learning. The implementation of learning carried out is in accordance with the steps of the realistic mathematical education approach assisted by websites; student responses to learning using the realistic mathematical education approach assisted by the website have good criteria, namely 91%.; the difficulties experienced by students lie in the mathematical modeling stage and the obstacles faced are cellphones that are error or slow because the memory is full.

Keywords: Mathematical Literacy, Self-Efficacy, RME Approach, Website.