

ABSTRAK

PENINGKATAN KEMAMPUAN PENALARAN ADAPTIF MATEMATIS DAN *SELF-REGULATED LEARNING* SISWA SMK MELALUI MODEL PEMBELAJARAN *ACCELERATED LEARNING*

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Tujuan pada penelitian ini adalah 1) untuk mengetahui apakah peningkatan kemampuan penalaran adaptif matematis siswa yang memperoleh model pembelajaran *Accelerated Learning* lebih tinggi daripada siswa yang memperoleh model pembelajaran konvensional, 2) untuk mengetahui apakah *Self-Regulated Learning* siswa yang memperoleh model pembelajaran *Accelerated Learning* lebih baik daripada siswa yang memperoleh model pembelajaran konvensional, 3) untuk mengetahui apakah terdapat korelasi antara kemampuan penalaran adaptif matematis dan *Self-Regulated Learning* siswa melalui model pembelajaran *Accelerated Learning*. Metode penelitian yang digunakan yaitu metode penelitian eksperimen semu (*quasi experiment*) dengan jenis penelitian *non equivalent control group design*. Subjek dari penelitian ini adalah siswa-siswi kelas XI SMK PU Negeri Bandung tahun ajaran 2020-2021 sebanyak dua kelas yang dipilih menurut pertimbangan tertentu dengan jumlah sampel 66 siswa, diantaranya 33 siswa kelas XI TKJ-1 sebagai kelas eksperimen yang diberi perlakuan model pembelajaran *Accelerated Learning* dan 33 siswa kelas XI-TPM 1 sebagai kelas kontrol yang diberi perlakuan model pembelajaran konvensional yaitu *Discovery Learning*. Instrumen penelitian yang digunakan berupa tes kemampuan penalaran adaptif matematis dan angket *self-regulated learning*. Data yang terkumpul kemudian diolah menggunakan bantuan *software IBM SPSS 23.00 for Windows*. Berdasarkan analisis data hasil penelitian, didapat kesimpulan 1) peningkatan kemampuan penalaran adaptif matematis siswa yang memperoleh model pembelajaran *Accelerated Learning* lebih tinggi daripada siswa yang memperoleh model pembelajaran konvensional, 2) *Self-Regulated Learning* siswa yang memperoleh model pembelajaran *Accelerated Learning* lebih baik daripada siswa yang memperoleh model pembelajaran konvensional, 3) terdapat korelasi positif antara kemampuan penalaran adaptif matematis dan *self-regulated learning* siswa yang memperoleh model pembelajaran *Accelerated Learning*.

Kata Kunci: Kemampuan Penalaran Adaptif Matematis, *Self-Regulated Learning*, Model Pembelajaran *Accelerated Learning*

ABSTRACT

THE INCREASE OF ABILITY ADAPTIVE REASONING AND SELF-REGULATED LEARNING STUDENT OF VOCATIONAL HIGH SCHOOL THROUGH ACCELERATED LEARNING MODEL

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The purpose of this research was determine to 1) to knowing whether increase of ability adaptive reasoning mathematical student given accelerated learning model is higher than student given conventional learning model, 2) to knowing whether self-regulated learning student given accelerated learning model is better than student given conventional learning model, 3) to knowing whether there is a correlation between ability adaptive reasoning mathematical and self regulated learning student through the accelerated learning model. The research method used is quasi experiment with non equivalent control group design. The subject of this research were two classes from Class *XI SMK PU Negeri Bandung* school year 2020-2021 on selected according to spesific considerations with a sample of 66 student, including 33 students of class *XI-TKJ-1* as the experimental class who given treated accelerated learning model, and 33 students of class *XI-TPM-1* as the control class who given treated conventional learning model is Discovery Learning. The research instrument used was a mathematical adaptive reasoning ability test and a quisioner of self-regulated learning. The data collected processed using assistence software IBM SPSS 23.0 for Windows. Based on the analysis of research results data, the conclusion is 1) increase of ability adaptive reasoning mathematical student who given accelerated learning model is higher than student who given conventional learning model, 2) Self-Regulated Learning student who given accelerated learning model is better than student who given conventional learning model, 3) there is a positive correlations between ability adaptive reasoning mathematical and self-regulated learning student through the accelerated learning model.

Keyword: Ability Adaptive Reasoning Mathematical, Self-Regulated Learning, Accelerated Learning Model