

ABSTRAK

Mutiara Diah Ayu Budiyanti, K4312044. **PENGARUH PENERAPAN MODEL *PROBLEM-BASED LEARNING SEVEN JUMPS* TERHADAP *POSSIBILITY THINKING* SISWA KELAS XI**. Skripsi, Surakarta : Fakultas Keguruan dan Ilmu Pendidikan Universitas Sebelas Maret Surakarta, November 2018.

Penelitian ini bertujuan untuk mengetahui pengaruh model *Problem-based learning seven jumps* (PBLSJ) terhadap *possibility thinking* siswa kelas XI SMA. Penelitian ini merupakan penelitian kuasi eksperimen dengan menggunakan desain penelitian *pretest-posttest nonequivalent control group* yang melibatkan dua kelas XI SMA, yakni kelas XI MIPA 2 sebagai kelas eksperimen menggunakan model PBLSJ dan kelas XI MIPA 3 sebagai kelas kontrol menggunakan model konvensional. Kelas tersebut dipilih secara acak dari tiga kelas secara keseluruhan, kelas XI MIPA 2 terdiri dari 37 siswa (13 laki-laki dan 24 perempuan) sedangkan siswa kelas XI MIPA 3 terdiri dari 37 siswa (17 laki-laki dan 20 perempuan). Data *possibility thinking* siswa didapatkan melalui tes yang dikembangkan dari *Model of Possibility Thinking*. Uji hipotesis yang digunakan adalah uji-t menggunakan bantuan program SPSS 17 dengan nilai signifikansi 0,05.

Penelitian ini menunjukkan bahwa penerapan model PBLSJ memberikan dampak positif terhadap *possibility thinking* siswa yang ditunjukkan melalui peningkatan rata-rata nilai pretes dan postes dari 52,75 menjadi 66,25. Siswa pada kelas eksperimen yang dibelajarkan menggunakan model PBLSJ memiliki nilai rata-rata *possibility thinking* dan nilai rata-rata hasil belajar yang lebih tinggi daripada kelas kontrol yang dibelajarkan dengan model konvensional.

Hasil uji-t menunjukkan bahwa signifikansi kurang dari 0,05 ($0,00 < 0,05$), sehingga keputusan uji adalah H_0 ditolak dan H_1 diterima. Hasil uji *effect size* pada kelas eksperimen 1,88, sedangkan pada kelas kontrol hanya 0,23.

Kata Kunci : model *Problem-based learning seven jumps*, *possibility thinking*, biologi SMA

ABSTRACT

Mutiara Diah Ayu Budiyaniti, K4312044. Implementation of Problem-based Learning Seven Jumps toward Possibility Thinking in Eleventh Grade High School Student. Thesis, Surakarta :Teacher Training and Education Faculty, Sebelas Maret University, November 2018.

The aim of this research was to study the effort of the Problem-based learning seven jumps (PBLSJ) to the possibility thinking of high school students. The research was a quasi experimental research using pretest-posttest nonequivalent control group design, involving two classes of eleventh grade science, there are XI MIPA 2 as an experimental class treated with PBLSJ model and XI MIPA 3 as a control class taught with a conventional model. XI MIPA 2 consisted of 37 students (13 male and 24 female) while class XI MIPA 3 consisted of 37 students (17 male and 20 female). Both classes were randomly selected from three classes. Data of possibility thinking skills was collected by test developed from the Model of Possibility Thinking. Hypothesis test was a t-test of SPSS 17 program, with significance value was 0,05.

It has showed that the using of PBLSJ model resulting positive effect to student's possibility thinking ability. It was proved by the increasing of the mean score of pre and posttest from 52.75 to 66.25. Students in the experimental class who were taught using the PBLSJ model had a higher average score of possibility thinking and higher score of learning outcomes than the control class that taught with conventional models.

The results of the t-test show that the significance is less than 0.05 ($0.00 < 0.05$), so the test decision is H_0 rejected and H_1 is accepted. The effect size test results in the experimental class were 1.88, while in the control class it was only 0.23.

Keywords : *problem-based learning seven jumps, possibility thinking, biology, high school student*