ABSTRAK

Nadillah Syahwitri, NIM 4191111018 (2023), Pengaruh Model Pembelajaran *Problem Based Learning* Terhadap Kemampuan Pemecahan Masalah Matematika Siswa Kelas VII SMP IT Daarul Istiqlal.

Penelitian dalam skripsi ini dilatar belakangi oleh kurangnya kemampuan pemecahan masalah matematika siswa dan penelitian ini bertujuan untuk mengetahui apakah terdapat pengaruh yang signifikan model pembelajaran problem based learning terhadap kemampuan pemecahan masalah matematika siswa kelas VII SMP IT Daarul Istiqlal. Jenis penelitian yang digunakan adalah *quasi experiment* dengan desain *two group pre test – post test*. Populasi yang digunakan dalam penelitian ini adalah seluruh kelas VII SMP IT Daarul Istiqlal. Kelas VII – 1 sebagai kelas eksperimen diberikan perlakuan model pembelajaran problem based learning, sedangkan kelas VII – 2 sebagai kelas kontrol dengan perlakuan model pembelajaran kooperatif tipe STAD. Berdasarkan hasil pengolahan data yang telah dilakukan, nilai rata – rata pre test kelas eksperimen diperoleh 54,64 dan nilai rata – rata pre test kelas kontrol 50,52. Nilai rata – rata post test kelas eksperimen diperoleh 67,5 dan nilai post test kelas control diperoleh 60. Berdasrkan hasil uji hipotesis menggunakan uji t dengan dk = 62 dan $\alpha = 0,05$ diperoleh nilai uji t post test t_{hitung} 2,372 > t_{tabel} 1,669, sehingga dapat disimpulkan bahwa terdapat pengaruh yang signifikan model pembelajaran problem based learning terhadap kemampuan pemecahan masalah matematika kelas VII SMP IT Daarul Istiqlal.

Kata Kunci : Pembelajaran *Problem Based Learning*, STAD, Kemampuan Pemecahan Masalah Matematika

ABSTRACT

Nadillah Syahwitri, NIM 4191111018 (2023), *The Influence of the Problem Based Learning Model on the Mathematical Problem Solving Ability of Class VII Students at SMP IT Daarul Istiqlal.*

The research in this thesis is motivated by the lack of students' mathematical problem solving abilities and this research aims to find out whether there is a significant influence of the problem based learning model on the mathematical problem solving abilities of class VII students at SMP IT Daarul Istiqlal. The type of research used was a quasi experiment with a two group pre test – post test design. The population used in this research was the entire class VII of SMP IT Daarul Istiqlal. Class VII - 1 as an experimental class was treated with a problem based learning model, while class VII - 2 as a control class was treated with a STAD type cooperative learning model. Based on the results of the data processing that has been carried out, the average pre-test score for the experimental class is 54.64 and the average pre-test score for the control class is 50.52. The average post test score for the experimental class was 67.5 and the post test score for the control class was 60. Based on the results of hypothesis testing using the t test with dk = 62 and α=0.05, the post test t test value tcount was 2.372 > ttable 1.669, So it can be concluded that there is a significant influence of the problem based learning model on the mathematical problem solving abilities of class VII SMP IT Daarul Istiqlal.

Keywords: Problem Based Learning, STAD, Mathematical Problem Solving Ability