

ABSTRAK

Fajriyah, Lailatul. 2019. *Pengaruh Model Problem Based Learning Berbantuan Multimedia Terhadap Hasil Belajar Matematika Siswa Pada Materi Himpunan Di SMPN 48 Surabaya*. Program Studi Pendidikan Matematika. Fakultas Keguruan dan Ilmu Pendidikan. Universitas PGRI Adi Buana Surabaya. Pembimbing Dr. Sunyoto Hadi P., S.T., M.Pd.

Kata Kunci: *Model Problem Based Learning Berbantuan Multimedia, Hasil Belajar Matematika, Himpunan*

Penelitian ini berlatar belakang kurangnya siswa dalam kemampuan pemecahan masalah matematika siswa di SMPN 48 Surabaya. Banyak cara untuk meningkatkan kemampuan pemecahan masalah matematika siswa. Salah satu cara yang dapat digunakan yaitu dengan menggunakan model pembelajaran *problem based learning*. Adapun rumusan masalah dalam penelitian ini adalah “Apakah ada pengaruh model pembelajaran *problem based learning* Berbantuan Multimedia terhadap Hasil Belajar Matematika di SMPN 48 Surabaya”. Tujuannya adalah untuk mengetahui adakah pengaruh model pembelajaran *problem based learning* Berbantuan Multimedia terhadap hasil belajar matematika siswa di SMPN 48 Surabaya.

Populasi dalam penelitian ini adalah seluruh siswa kelas VII SMPN 48 Surabaya. Sampel dalam penelitian ini adalah siswa kelas VII-G dan VII-H. Teknik sampel yang digunakan pada penelitian ini yaitu *purposive sampling*. Teknik pengumpulan data dalam penelitian ini berupa dokumentasi dan soal tes.

Analisis data menggunakan uji normalitas, homogenitas serta uji-t. Berdasarkan analisis data yang diperoleh bahwa sampel tersebut berdistribusi normal dan homogen. Dengan analisis data menggunakan uji-t diperoleh $t_{hitung} = 2,1185$ dengan taraf signifikan 0,05. Hal tersebut menunjukkan t_{hitung} lebih besar dari t_{tabel} , maka kesimpulannya ada pengaruh model *problem based learning* berbantuan multimedia terhadap hasil belajar matematika siswa di SMPN 48 Surabaya.

ABSTRACT

Fajriyah, Lailatul. 2019. Effect of Multimedia Problem Based Learning Assisted on Student Mathematics Learning Outcomes in Set Material at Surabaya 48 Public Middle School. Mathematics Education Study Program. Faculty of Teacher Training and Education. University of PGRI Adi Buana Surabaya. Advisor Dr. Sunyoto Hadi P., S.T., M.Pd.

Keywords: Multimedia Assisted Problem Based Learning Model, Mathematics Learning Outcomes, Set

This research is based on a lack of students in mathematical problem solving abilities of students at Surabaya 48th Public Middle School. Many ways to improve students' mathematical problem solving abilities. One method that can be used is by using a problem based learning learning model. The formulation of the problem in this study is "Is there an influence of the Muktimedia Assisted Problem Based Learning Learning Model on Mathematics Learning Outcomes at 48 Surabaya Junior High School". The aim is to find out whether there is influence of Multimedia Assisted problem based learning model on students' mathematics learning outcomes at Surabaya 48 Public Middle School.

The population in this study were all VII grade students of SMPN 48 Surabaya. The sample in this study were students of class VII-G and VII-H. The sample technique used in this study was purposive sampling. Data collection techniques in this study were in the form of documentation and test questions.

Data analysis using normality, homogeneity and t-test. Based on the analysis of the data obtained that the sample is normally distributed and homogeneous. By analyzing the data using the t-test obtained $t_{count} = 2.1185$ with a significant level of 0.05. This shows that t_{count} is greater than t table, so the conclusion is there is the influence of multimedia assisted problem based learning model on students' mathematics learning outcomes at Surabaya 48 Public Middle School.