ABSTRAK

Benu, Trisna Elimni Delesep. 2021. *Pengaruh Model Discovery Learning dengan Pendekatan Saintifik Terhadap Hasil Belajar Matematika Siswa.* Skripsi. Program Studi Pendidikan Matematika. Fakultas Sains dan Teknologi. Universitas PGRI Adi Buana Surabaya, Pembimbing: Erna Puji Astutik, S.Si., M.Pd., M.Sc.

Kata Kunci: *model discovery learning, pendekatan saintifik, hasil belajar.*

Penelitian ini dilatarbelakangi adanya permasalahan model pembelajaran yang diberikan oleh guru masih menggunakan model pembelajaran konvensional yang membuat siswa menjadi kurang aktif di dalam kelas, hal ini membuat hasil belajar siswa menjadi rendah, sehingga dengan digunakannya model pembelajaran Discovery Learning dengan pendekatan saintifik lebih efektif terhadap hasil belajar matematika siswa.

Penelitian ini bertujuan untuk mendeskripsikan pengaruh model pembelajaran Discovery Learning dengan pendekatan saintifik terhadap hasil belajar matematika siswa. Penelitian ini menggunakan bentuk penelitian kuantitatif dengan jenis penelitian eksperimen semu. Teknik sampel yang digunakan yaitu purposive sampling dengan pertimbangan yang digunakan dalam penelitian ini adalah sampel yang digunakan mempunyai karakteristik yang sama dan sesuai dengan tujuan peneliti. Sehingga diperoleh kelas IX-E sebagai kelas kontrol dan kelas IX-D sebagai kelas eksperimen.

Teknik analisis data penelitian pada hasil belajar menggunakan uji-t untuk uji hipotesis yang digunakan dengan taraf signifikan $\alpha = 0,05$. Perhitungan uji-t diperoleh $t_{hitung} > t_{tabel}$ yaitu $2,04 > 1,995$ sehingga dapat disimpulkan ada perbedaan pada hasil belajar posttest antara siswa yang diajar menggunakan model pembelajaran Discovery Learning dengan pendekatan saintifik dan model pembelajaran konvensional kelas IX SMPN 48 Surabaya.

Hasil penelitian ini menunjukkan ada pengaruh model Discovery Learning dengan pendekatan saintifik terhadap hasil belajar matematika siswa.

ABSTRACT

Benu, Trisna Elimni Delesep. 2021. *The Influence of the Discovery Learning Model with the Scientific Approach on Students' Mathematics Learning Outcomes*. Undergraduate Thesis. Mathematics Education Department. Faculty of Science and Technology. Universitas PGRI Adi Buana Surabaya. Advisor: Erna Puji Astutik, S.Si., M.Pd., M.Sc.

Keywords: *discovery learning model, scientific approach, learning outcomes.*

This research was motivated by the problem of the learning model used by the teachers who were still using the conventional learning model that made students less active in the classroom, this also made students got poor learning outcomes. By using the Discovery Learning model with the scientific approach is hoped that the learning will be more effective to students learning outcomes in mathematics.

This study aimed to describe the effect of the Discovery Learning learning model with a scientific approach on students' mathematics learning outcomes. This study used a quantitative research type with a quasi-experimental research type. The sample technique used was purposive sampling with the consideration that the samples used in this study had the same characteristics and were in accordance with the aims of the researcher. So that it was obtained class IX-E as the control class and class IX-D as the experimental class.

The research data analysis technique on learning outcomes used in this study was a t-test to test the hypothesis using significant level $\alpha = 0.05$. The t-test calculation obtained was $t_{count} > t_{table}$, $2.04 > 1.995$ so it can be concluded that there were differences in post-test learning outcomes between students who were taught using the discovery learning model with the scientific approach and students who were taught using conventional learning model in class IX SMPN 48 Surabaya.

The results of this study indicated that there was an effect of the Discovery Learning model with a scientific approach on student mathematics learning outcomes.