

Dwi Nabila Oktafia. 2021. Pengaruh Model Pembelajaran Discovery Learning Berbasis Multiple Representation Terhadap Pemahaman Konsep Siswa. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing : Mochammad Ahied.

ABSTRAK

Studi tentang pengaruh model pembelajaran *Discovery Learning* berbasis *Multiple Representation* terhadap pemahaman konsep siswa telah dilakukan. Penelitian ini dilakukan untuk mengetahui perbedaan pemahaman konsep setelah diterapkan model pembelajaran *Discovery Learning* berbasis *Multiple Representation*. Metode yang digunakan dalam penelitian ini adalah *Quasi Experiment* dalam bentuk *Nonequivalent Control Group Design*. Penelitian dilakukan di SMP Nurul Amanah dengan Teknik pengambilan sampel menggunakan *nonprobability sampling* dengan kelas A sebagai kelas eksperimen dan kelas B sebagai kelas kontrol. Pengumpulan data menggunakan teknik observasi, tes, angket, dan dokumentasi. Teknik analisis data menggunakan uji t sampel bebas. Hasil penelitian menunjukkan bahwa: (1) ada pengaruh model pembelajaran *Discovery Learning* Berbasis *Multiple Representation* terhadap pemahaman konsep siswa dengan nilai signifikansi $0,000 < 0,05$ H_0 ditolak, (2) pemahaman konsep setelah diterapkan model pembelajaran *Discovery Learning* Berbasis *Multiple Representation* rata-rata persentase kelas eksperimen sebesar 71,95% sedangkan kelas kontrol sebagai 55,52%, (3) respons siswa terhadap model pembelajaran *Discovery Learning* Berbasis *Multiple Representation* sangat baik dengan persentase 79,07%. (4) keterlaksanaan model pembelajaran *Discovery Learning* Berbasis *Multiple Representation* sangat baik dengan persentase 96,97%.

Kata Kunci : *discovery learning, multiple representation, pemahaman konsep.*

Dwi Nabila Oktafia. 2021. The Effect Discovery Learning Model Based Multiple Representation On Student Understanding Concept. Thesis, Natural Science Education Study Program, Education Faculty, University of Trunojoyo Madura. Advisor: Mochammad Ahied.

ABSTRACT

Studied about the effect of Discovery Learning Model Based Multiple Representation on student understanding concept have been done. The research aims to know differences in understanding concepts after the Discovery Learning Model Based Multiple Representation was applied. The methode that used in this research was Quasi Experiment with Nonequivalent Control Group Design. The research was a conducted in junior high school Nurul Amanah that use nonprobability sampling, VII A as experiment class and VIII B as control class. Data was collected by used observation, test, questionare, and documentation. Data analysis techniques used independent sample t test The result of this research show that: (1) there are effect of using Discovery Learning Model Based Multiple Representation on student understanding concept get a significance value $0,000 < 0,05$.) H_0 rejected, (2) understanding concept after using Discovery Learning Model Based Multiple Representation the average percentage in experiment class is 71,95%, while in control class is 55,52%, (3) students respons on Discovery Learning Model Based Multiple Representation is very nice with percentage 79,07%. (4) implementation Discovery Learning Model Based Multiple Representation is very nice with percentage 96,97%.

Keywords: discovery learning, multiple representation, understanding concept.