

ABSTRACT

Amrianto. 2019. "Effect of Example Non Example Method Implementation in Discovery Learning Model with Scientific Approach on VII Grade Students' Natural Science (IPA) Competence in SMPN 18 Padang". Thesis. Master Degree Program of Biology Education. State University of Padang.

The 2013 Curriculum emphasizes on student-centered learning, active learning, and cooperative learning. Based on the preliminary research in SMPN 18 Padang, it was found that there are some problems faced by teacher in learning process. The problems are teachers still implement classical rather than cooperative learning. Beside that, it is hard for them to make students active in the classroom, especially in asking questions and deliver ideas or opinions. Furthermore, it is also hard for them to develop students' curiosity in learning process. To overcome these problems, one solution which can be used is implementation of example non example method in discovery learning model with scientific approach, with consideration that combination of method, model and approach is able to fulfill three requirements of the 2013 Curriculum. Purpose of the research was to know effect of example non example method in discovery learning model with scientific approach on students' competence.

It was a quasi experimental research. It was done in SMPN 18 Padang to VII grade students. Purposive sampling technique was used to take samples, with criteria that they are taught by same teacher and they have similar score variance. As a result, VII.6 was as control class and VII.8 was as experimental class. To obtain data, it used written tests (multiple choice and essay test) for cognitive competence and observation sheets for affective and psychomotor competence. Technique of data analysis used T-test and Mann-Whitney U-Test in assistance of SPSS software.

The findings show that (1) example non example method in discovery learning model with scientific approach has significant effect on students' cognitive competence; (2) example non example method in discovery learning model with scientific approach has significant effect on students' affective competence; (3) example non example method in discovery learning model with scientific approach has significant effect on students' psychomotor competence. So, it can be concluded that example non example method in discovery learning model with scientific approach has significant effect on students' Natural Science (IPA) competence.

Keywords: *Example Non Example, Discovery Learning dan Saintifik*

ABSTRAK

Amrianto. 2019 “Pengaruh Penerapan Metode *Example Non Example* dalam Model *Discovery Learning* dengan Pendekatan Saintifik terhadap Kompetensi IPA Peserta Didik Kelas VII SMP Negeri 18 Padang”. Tesis. Program Sudi Magister Pendidikan Biologi Program Pasca Sarjana. Universitas Negeri Padang.

Kurikulum 2013 menekankan pada pola pembelajaran *student center*, pembelajaran aktif dan pembelajaran kooperatif. Berdasarkan penelitian pendahuluan ke sekolah yaitu di SMP Negeri 18 Padang ditemukan beberapa kendala yang dihadapi oleh guru. Guru belum menerapkan perubahan pola pembelajaran klasikal menjadi belajar kooperatif dan sulit untuk membuat peserta didik aktif dalam pembelajaran, terutama dalam bertanya (terkait rasa ingin tahu peserta didik) dan mengungkapkan ide. Mengatasi hal tersebut peneliti memberikan solusi untuk menerapkan metode *example non example* dalam model *discovery learning* dengan pendekatan saintifik yang telah memenuhi tuntutan kurikulum 2013 yaitu pembelajaran *student center*, pembelajaran aktif dan kooperatif. Tujuan penelitian ini untuk mengetahui pengaruh metode *example non example* dalam model *discovery learning* dengan pendekatan saintifik terhadap kompetensi peserta didik.

Jenis penelitian ini adalah penelitian eksperimen semu. Penelitian dilakukan di SMP Negeri 18 Padang pada peserta didik kelas VII. Pengambilan sampel menggunakan teknik *purposive sampling* dengan kriteria yaitu kelas yang memiliki guru yang sama dan kelas yang memiliki varian nilai yang sama, sehingga didapatkan kelas VII.6 dan VII.8. Instrumen penelitian menggunakan tes tertulis (soal objektif dan esai) untuk ranah pengetahuan, lembar pengamatan sikap untuk ranah sikap, dan lembar pengamatan keterampilan untuk ranah keterampilan. Teknik analisis data, menggunakan uji rata-rata dua sampel yaitu dengan menggunakan uji parametrik (uji t) dan uji nonparametrik (uji Mann-Whitney U-Test) menggunakan aplikasi SPSS.

Hasil penelitian didapatkan bahwa (1) metode *example non example* dalam model *discovery learning* dengan pendekatan saintifik berpengaruh terhadap kompetensi peserta didik ranah pengetahuan; (2) metode *example non example* dalam model *discovery learning* dengan pendekatan saintifik berpengaruh terhadap kompetensi peserta didik ranah sikap; (3) metode *example non example* dalam model *discovery learning* dengan pendekatan saintifik berpengaruh terhadap kompetensi peserta didik ranah keterampilan. Dengan kata lain, bahwa dapat disimpulkan metode *example non example* dalam model *discovery learning* dengan pendekatan saintifik berpengaruh terhadap kompetensi IPA peserta didik.

Kata Kunci: *Example Non Example*, *Discovery Learning* dan Saintifik