

ABSTRAK

Nadia Narulita. 2014. Efektivitas Penerapan Pendekatan *Understanding By Design* Dalam Penyusunan Rencana Pelaksanaan Pembelajaran (RPP) dan Pelaksanaannya di SMP Stella Duce 2 Yogyakarta dengan Pokok Bahasan Bunyi. Program Studi Pendidikan Fisika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.

Penelitian ini memiliki tujuan yaitu untuk mengetahui (1) sejauh mana efektivitas pembelajaran dengan menggunakan pendekatan *understanding by design* dalam penyusunan rencana pelaksanaan pembelajaran pada pokok bahasan bunyi dan (2) persepsi siswa terhadap pembelajaran yang menggunakan pendekatan *understanding by design*. Penelitian ini dilakukan di SMP Stella Duce 2 Yogyakarta tahun ajaran 2013/2014. Subjek penelitian adalah siswa kelas VIII Kolintang dan VIII Kecapi yang memiliki kemampuan dalam bidang yang sama dan layak untuk dibandingkan.

Pembelajaran konvensional dilakukan di kelas VIII Kecapi dan pembelajaran dengan *understanding by design* di kelas VIII Kolintang. Data penelitian dikumpulkan melalui observasi langsung di kelas, tes tertulis, dan kuisioner.

Hasil penelitian menunjukkan: (1) Hasil belajar kelas VIII Kolintang lebih tinggi dibandingkan kelas VIII Kecapi. Hal ini dapat dilihat dari rata – rata nilai *posttest* yang diperoleh kedua kelas yang signifikan. (2) Siswa kelas VIII Kolintang memiliki persentase keaktifan yang lebih tinggi dibanding kelas VIII Kecapi. Sehingga dapat disimpulkan bahwa pembelajaran dengan *understanding by design* efektif untuk membantu pemahaman siswa mengenai pokok bahasan bunyi. (3) Hasil analisis kuisioner persepsi siswa kelas VIII kolintang terhadap pembelajaran dengan *understanding by design* menunjukkan bahwa 71,43% siswa memiliki persepsi positif dan 28,57% siswa memiliki persepsi sangat positif terhadap pembelajaran *Understanding by Design*.

Kata – kata kunci: Efektivitas, Pendekatan *Understanding By Design*, Rencana Pelaksanaan Pembelajaran.

ABSTRACT

Nadia Narulita. 2014. The effectiveness of Application of Understanding By Design Approachment on Arranging Implementation Learning Program and The Implementation in SMP Stella Duce 2 Yogyakarta with Sound as the main topic. Physic Education Study Programme, Department of Mathematics and Natural Science, Faculty of Teacher Training and Education, Sanata Dharma University, Yogyakarta.

The purpose of this research were to understand (1) the extent to which the effectiveness of learning uses understanding by design approach on arranging implementation learning program on the main topic Sound and (2) students' perceptions towards learning which uses understanding by design approach. This research was done in SMP Stella Duce 2 Yogyakarta on academic year 2013/2014. The subject of this research were students of VIII Kolintang and VIII Kecapi class which have the ability in the same course and are suitable.

Conventional learning was done in VIII Kecapi class and learning with understanding by design in VIII Kolintang class. The data of this research were collected by direct observation in class, written test, and questionnaire.

The result of this research shows: (1) The learning result of VIII Kolintang class was higher than VIII Kecapi class. This can be seen from the post-test average percentage which was achieved by the two classes. (2) The students of VIII Kolintang have the higher being active percentage than VIII Kecapi class. Therefore, it can be concluded that learning with understanding by design is effective to help students' understanding about the main topic Sound. (3) The result of the questionnaire analysis of the students' perceptions in VIII Kolintang class towards learning with understanding by design shows that 71,43% students have positive perception and 28,57% students have very positive perception towards learning with understanding by design.

Key Words: effectiveness, understanding by design, implementation learning program.