ABSTRAK

PENGARUH PENERAPAN *PROJECT BASED LEARNING* TERHADAP KETERLIBATAN DAN HASIL BELAJAR SISWA KELAS XI PADA POKOK BAHASAN MATERI MATA DAN KECACATAN MATA

Sekar Naffa Kristiani

Universitas Sanata Dharma

Yogyakarta

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Penelitian ini bertujuan untuk mengetahui (1) pengaruh pembelajaran berbasis proyek terhadap keterlibatan siswa; (2) pengaruh pembelajaran berbasis proyek terhadap hasil belajar siswa kelas XI MIPA 2 SMA BOPKRI 1 Yogyakarta.

Jenis penelitian ini adalah deskriptif kuantitatif dan kualitatif. Subyek penelitian adalah siswa kelas XI MIPA 2. Penelitian ini menggunakan satu kelas yang diberikan *treatment* pembelajaran berbasis proyek (PjBL). Instrumen yang digunakan dalam pengambilan data yaitu tes tertulis essai (*pretest* dan *posttest*) dengan 5 jumlah soal, beserta observasi. Hasil belajar dianalisis secara statistik menggunakan program SPSS uji-T Dependent, lembar penilaian produk untuk hasil produk, dan keterlibatan siswa dianalisis dari lembar observasi serta diperkuat dari rekawan video.

Hasil penelitian menunjukan bahwa: (1) Pembelajaran berbasis proyek berpengaruh terhadap keberhasilan belajar siswa yaitu mengalami peningkatan. (2) Siswa terlibat aktif di dalam mengerjakan proyek walau terhambat waktu.

Kata kunci: *project based learning*, PjBL, keterlibatan siswa, *student engagement*.

ABSTRACT

THE INFLUENCE OF PROJECT BASED LEARNING TO THE STUDENTS ENGAGEMENT AND LEARNING RESULTS AMONG STUDENTS GRADE XI ABOUT STUDY OF EYES AND DO

Sekar Naffa Kristiani

Universitas Sanata Dharma

Yogyakarta

2019

The purpose of this research is to describe: (1) the concerning of student engagement using project based learning model (2) the learning result of student during the learning process using project based learning.

The type of the research is quantitative and qualitative experiments The subject of this study were students of class XI MIPA 2 of SMA BOPKRI 1 Yogyakarta. This research was conducted in one class with prior given project based learning model. The instrument used as data collection are 7 number of question tests essay (pretest and posttest) and observations. The analyzes of learning result using SPSS with T-Test dependent, product assessment for product, and student engagement was analyzed through observation and video recording.

The results showed that: (1) The project based learning models improved the students learning result of student at XI MIPA 2 SMA BOPKRI 1 Yogyakarta about Optics especially Eyes (2) the student engagement on doing project although there is any obstacles.

Keywords: project based learning, student engagement, learning result.