

## ABSTRAK

### **Analisis Penerapan Model Pembelajaran *Project Based Learning* Pada Motivasi dan Hasil Belajar Materi Biologi**

**Kelas XI SMAN 11 Yogyakarta**

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Proses pembelajaran akan berhasil jika peserta didik mempunyai motivasi dalam belajar. Motivasi yang tinggi juga dapat meningkatkan ketekunan dan keterlibatan dalam proses pembelajaran yang dapat meningkatkan kualitas hasil belajar. Penelitian ini bertujuan mengetahui penerapan model pembelajaran PjBL, tantangan yang dihadapi, motivasi dan hasil belajar materi Biologi kelas XI SMAN 11 Yogyakarta.

Populasi dalam penelitian ini yaitu peserta didik kelas XI SMA Negeri 11 Yogyakarta tahun ajaran 2022/2023. Sampel penelitian kelas XI MIPA 5 sebanyak 35 peserta didik yang diambil dengan menggunakan teknik *purposive sampling*. Desain penelitian ini menggunakan studi kasus dengan pendekatan kombinasi kualitatif dan kuantitatif. Teknik pengumpulan data berupa wawancara dan kuesioner. Adapun teknik analisis kuesioner dengan menggunakan skala Likert dan hasil belajar dianalisis berdasarkan data tertinggi, terendah dan rata-rata.

Hasil penelitian menunjukkan bahwa penerapan PjBL materi biologi kelas XI meliputi tahap pertanyaan mendasar, tahapan perencanaan proyek, tahapan penyusunan jadwal proyek, tahapan penyelesaian proyek dan monitoring, tahapan penyusunan laporan presentasi atau publikasi hasil proyek, dan tahap evaluasi. Kendala yang dihadapi yaitu alokasi waktu yang terbatas, monitoring peserta didik dan kemajuan proyek, serta keterlibatan yang tidak seimbang dalam kelompok. Peserta didik kelas XI MIPA 5 memiliki motivasi yang tinggi pada model PjBL. Hasil ulangan dan hasil penilaian proyek model pembelajaran PjBL memiliki nilai di atas KKM (kriteria ketuntasan Minimal) yang ditetapkan adalah 75.

**Kata kunci :** model *project based learning*, studi kasus, kombinasi kuantitatif dan kualitatif, motivasi belajar, hasil belajar

## ABSTRACT

### *Analysis of the Implementation of Project-Based Learning Model on Motivation and Learning Outcomes of Biology Subject for Grade XI Students of*

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*Successful learning process requires students to have motivation in their studies. High motivation can also increase perseverance and engagement in the learning process, leading to improved learning outcomes. This research aims to examine the implementation of the Project-Based Learning (PjBL) model, the challenges faced, motivation, and learning outcomes of Biology subject for Grade XI students at SMAN 11 Yogyakarta.*

*The population of this study consisted of Grade XI students at SMAN 11 Yogyakarta in the academic year 2022/2023. The sample was taken from Class XI MIPA 5, comprising 35 students, selected using purposive sampling technique. The research design employed a case study approach with a combination of qualitative and quantitative methods. Data were collected through interviews and questionnaires. The questionnaire data were analyzed using the Likert scale, while the learning outcomes were analyzed based on the highest, lowest, and average scores.*

*The results of the study indicate that the implementation of PjBL in Biology subject for Grade XI students includes several stages: fundamental questioning, project planning, project scheduling, project completion and monitoring, presentation or publication of project results, and evaluation. The challenges faced include limited time allocation, monitoring of students' progress and project development, and uneven participation within groups. Grade XI MIPA 5 students showed high motivation towards the PjBL model. The examination and project assessment results of the PjBL learning model exceeded the Minimum Completeness Criteria (KKM) set at 75.*

**Keywords:** *project-based learning model, case study, qualitative and quantitative combination, learning motivation, learning outcomes.*