

Ida Fitriana. 2025. *Pengaruh Model Pembelajaran Project Based Learning Berbasis Flipped Classroom Terhadap Hasil Belajar Siswa*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunjoyo Madura. Pembimbing: Puji Rahayu Ningsih, S.Pd., M.Pd.

ABSTRAK

Kesulitan siswa memahami materi salah satunya dapat disebabkan oleh pemilihan model pembelajaran yang kurang sesuai, yang berdampak pada hasil belajar siswa. Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *project based learning* berbasis *flipped classroom* terhadap hasil belajar siswa pada materi IPv4 kelas X di SMK Negeri 1 Labang, sekaligus mengkaji keterlaksanaan pembelajaran dan respon siswa terhadap model tersebut. Penelitian ini menggunakan pendekatan kuantitatif dengan metode eksperimen, dan menerapkan desain *quasi eksperimental* tipe *nonequivalent control group*. Populasi dalam penelitian ini melibatkan 71 siswa, dengan kelas X TJKT 1 sebagai kelas eksperimen dan kelas X TJKT 2 sebagai kelas kontrol. Instrumen data dikumpulkan melalui tes hasil belajar, observasi aktivitas guru dan siswa, serta angket respon siswa. Berdasarkan hasil dan analisis data, diperoleh temuan sebagai berikut: 1) Uji signifikan menunjukkan t_{hitung} sebesar $7,609 > t_{tabel} 2,035$, sehingga H_0 ditolak dan H_a diterima. 2) Keterlaksanaan aktivitas guru dan siswa masing-masing memperoleh 86% dan 82% dalam kategori “Sangat Baik”. 3) Respon siswa terhadap model pembelajaran tersebut menunjukkan persentase sebesar 83% yang termasuk kategori “Positif”. Dengan demikian, dapat disimpulkan bahwa model pembelajaran *project based learning* berbasis *flipped classroom* berpengaruh signifikan terhadap hasil belajar siswa kelas X TJKT di SMK Negeri 1 Labang.

Kata Kunci: *Project Based Learning, Flipped Classroom, Hasil Belajar*

Ida Fitriana. 2025. *The Effect of Project Based Learning Model Based on Flipped Classroom on Student Learning Outcomes*. Thesis, Informatics Education Study Program, Faculty of Teacher Training and Education, Trunjoyo University Madura. Advisor: Puji Rahayu Ningsih, S.Pd., M.Pd.

ABSTRACT

Students' difficulty in understanding the material can be caused by the selection of an inappropriate learning model, which has an impact on student learning outcomes. This study aims to determine the effect of project-based learning model based on flipped classroom on student learning outcomes in IPv4 class X material at SMK Negeri 1 Labang, as well as examine the implementation of learning and student responses to the model. This study used a quantitative approach with experimental methods, and applied a quasi-experimental design of nonequivalent control group type. The population in this study involved 71 students, with class X TJKT 1 as the experimental class and class X TJKT 2 as the control class. Data instruments were collected through learning outcome tests, teacher and student activity observations, and student response questionnaires. Based on the results and data analysis, the following findings were obtained: 1) Significance test shows t_{count} of $7.609 > t_{table} 2.035$, so H_0 is rejected and H_a is accepted. 2) The implementation of teacher and student activities obtained 86% and 82% respectively in the "Very Good" category. 3) Students' response to the learning model shows a percentage of 83% which is included in the "Positive" category. Thus, it can be concluded that the project-based learning model based on flipped classroom has a significant effect on the learning outcomes of students in class X TJKT at SMK Negeri 1 Labang.

Keywords: *Project Based Learning, Flipped Classroom, Learning Outcomes*