

**PENERAPAN MODEL PEMBELAJARAN *PROJECT BASED LEARNING*
UNTUK MENINGKATKAN KEAKTIFAN DAN HASIL BELAJAR MATA
PELAJARAN PENERAPAN RANGKAIAN ELEKTRONIKA KELAS XI
PAKET KEAHLIAN TAV DI SMK NEGERI 3 WONOSARI**

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ABSTRAK

Penelitian bertujuan meningkatkan keaktifan dan hasil belajar melalui penerapan model pembelajaran *Project Based Learning* (PjBL). Mata pelajaran Penerapan Rangkaian Elektronika kelas XI Paket Keahlian TAV SMK Negeri 3 Wonosari tahun ajaran 2018 – 2019.

Penelitian ini merupakan Penelitian Tindakan Kelas dengan model pembelajaran *Project Based Learning* (PjBL). Subjek penelitian ini adalah siswa kelas XI AV 3 semester genap tahun ajaran 2018/2019 sebanyak 30 siswa. Penelitian dilakukan dalam dua siklus dengan tiap siklusnya terdiri dari 2 pertemuan. Setiap akhir siklus dilakukan evaluasi hasil belajar siswa. Teknik pengumpulan data dalam penelitian ini menggunakan lembar observasi, tes evaluasi hasil belajar, dan dokumentasi. Teknik analisis data yang digunakan yaitu analisis data deskriptif, kuantitatif, dan kualitatif.

Hasil penelitian menunjukkan bahwa: (1) penerapan model pembelajaran *Project Based Learning* (PjBL) dapat meningkatkan keaktifan belajar siswa berdasarkan jumlah turus meningkat pada tiap siklusnya. Selain itu pada keaktifan belajar siswa berdasarkan jumlah siswa yang terlibat dengan rata – rata presentase baseline sebesar 10,81%, kemudian meningkat menjadi 14,96% pada siklus I kemudian meningkat pada siklus II sebesar 35,49%; (2) pada presentase ketuntasan hasil belajar siswa pada ranah kognitif dengan baseline sebesar 31,5% dengan rata sebesar 58,48 kemudian pada silus I sebesar 40% dengan rata – rata sebesar 60,33 meningkat pada siklus II dengan presentase ketuntasan hasil belajar 70% dengan rata – rata sebesar 68,17. pada hasil belajar ranah psikomotorik yaitu penilaian unjuk kerja siswa diperoleh rata – rata presentase baseline sebesar 14,46% kemudian pada siklus I sebesar 24,96% dan siklus II meningkat menjadi 33%. Peningkatan hasil belajar siswa dapat diketahui dari *post-test* yang dilaksanakan setiap akhir siklus.

Kata Kunci : *Project Based Learning* (PjBL), Keaktifan, Unjuk Kerja, Hasil Belajar

THE IMPLEMENTATION OF PROJECT BASED LEARNING MODEL TO IMPROVE ACTIVENESS AND LEARNING OUTCOMES IN APPLICATION OF ELECTRONIC CIRCUIT SUBJECT FOR GRADE XI AUDIO VIDEO ENGINEERING PACKAGE AT VOCATIONAL HIGH SCHOOL 3 WONOSARI

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ABSTRACT

This study aims at improving the activeness and learning outcomes through the implementation of Project Based Learning (PjBL). Learning method in Application of Electronic Circuits Subject for Grade XI TAV (Audio Video Engineer) Package at Vocational High School 3 Wonosari year 2018 – 2019.

This is a Classroom Action Research employing Project Based Learning (PjBL) learning method. The subjects of this study were 30 students in grade XI TAV 3 in even semester year 2019/2019. The study was conducted in two cycles whereas each cycle consisted of 2 meetings. At the end of each cycle, an evaluation of student learning outcomes was conducted. Data collection techniques used were observation sheets, evaluation of learning outcomes test, and documentation. The data analysis techniques used were descriptive, quantitative and qualitative data analysis.

The results showed that: (1) the implementation of Project Based Learning (PjBL) learning methods could improve student learning activeness based on the increasing number of student in each cycle. In addition, the improvement was based on the number of students participation with an average baseline of 10,81% that increased into 14,96% in first cycle and in the second cycle was up to 35,49%; (2) in student learning outcomes especially in cognitive domain with a baseline amounting to 31,5% with an average of 58,48 increased to 40% with an average of 60,33. In the second cycle, learning outcomes increased to 70% with an average of 68,17. In the psychomotor domain which was the student performance assessment had 14,46% for the average baseline, then in the first cycle increased to 24,96% and in second cycle increased 33%. The improvement of student learning outcomes can be seen from the post-test administered at the end of each cycle.

Keyword: Project Based Learning (PjBL), Activeness, Performance, Learning Outcomes