

Dimas Mayoni Aji Sasono. 2023. Pengaruh Model Pembelajaran *Pair Programing* dan *Creative Problem Solving* (CPS) Terhadap Hasil Belajar Siswa Kelas X DKV Pada Mata Pelajaran Pemrograman Web SMK Negeri 1 Sambeng. Skripsi Program Studi Pendidikan Informatika, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Etistika Yuni Wijaya, S.Pd., M.Pd.

ABSTRAK

Penelitian ini menggunakan pendekatan eksperimen *pretest-posttest* kontrol group untuk mengevaluasi pengaruh model pembelajaran *pair programming* dan *creative problem solving* terhadap hasil belajar siswa dalam pemrograman web di kelas X DKV SMK Negeri 1 Sambeng. Dalam penelitian ini, 38 siswa dari kelas DKV 38 dibagi menjadi kelompok kontrol dan kelompok eksperimen, masing-masing dengan 19 siswa. Kelompok kontrol menerima pembelajaran konvensional, sementara kelompok eksperimen menerapkan model pembelajaran *pair programming* dan *creative problem solving*. Data hasil belajar siswa diperoleh melalui *pretest* dan *posttest*. Analisis data menggunakan uji statistik independent t-test dengan $\alpha=0,05$. Hasil analisis menunjukkan bahwa model pembelajaran *pair programming* dan *creative problem solving* secara signifikan mempengaruhi hasil belajar siswa. Implikasinya adalah pentingnya menerapkan model pembelajaran yang interaktif dan kolaboratif dalam meningkatkan hasil belajar siswa dalam pemrograman web. Disarankan agar guru-guru mengintegrasikan model pembelajaran ini dalam praktik pengajaran untuk meningkatkan efektivitas pembelajaran.

Kata kunci : *Pair Programing, Creative Problem Solving, Hasil Belajar*

Dimas Mayoni Aji Sasono. 2023. The Effect of the Pair Programing and Creative Problem Solving (CPS) Learning Model on the Learning Outcomes of Class X DKV Students in the Subject of Web Programming at SMK Negeri 1 Sambeng. Informatics Education Study Program Thesis, Faculty of Education, Trunojoyo University, Madura. Advisor : Ethics Yuni Wijaya, S.Pd., M.Pd.

ABSTRAK

This study used a pretest-posttest control group experimental approach to evaluate the effect of pair programming and creative problem solving learning models on student learning outcomes in web programming in class X DKV SMK Negeri 1 Sambeng. In this study, 38 students from class DKV 38 were divided into a control group and an experimental group, each with 19 students. The control group received conventional learning, while the experimental group applied pair programming and creative problem solving learning models. Student learning outcomes data obtained through pretest and posttest. Data analysis used independent t-test statistics with $\alpha=0.05$. The results of the analysis show that the pair programming and creative problem solving learning models significantly affect student learning outcomes. The implication is the importance of implementing an interactive and collaborative learning model in improving student learning outcomes in web programming. It is suggested that teachers integrate this learning model in teaching practice to increase learning effectiveness.

Keywords: *Pair Programming, Creative Problem Solving, Learning Outcomes.*