

Via Putri Febriani, 2024. *Pengaruh pair programming terhadap hasil belajar siswa pada mata pelajaran pemrograman berorientasi objek di SMK semen gresik*. skripsi, Program studi Pendidikan Informatika, Fakultas Ilmu Pendidikan, Universitas trunojoyo Madura. Pembimbing: Etistika yuni Wijaya, S.Pd., M.Pd.

ABSTRAK

Ketidaktepatan guru dalam memilih model pembelajaran dapat menyebabkan siswa kesulitan dalam memahami mata pelajaran, berdasarkan hasil wawancara dengan guru pengampu mata pelajaran pemrograman berorientasi objek di SMK Semen Gresik, hasil belajar siswa kelas XI RPL masih banyak siswa yang dibawah KKM. Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *pair programming* terhadap hasil belajar siswa pada materi pemrograman berorientasi objek kelas XI RPL SMK Semen Gresik, beserta aktivitas pelaksanaan dan respon siswanya. Penelitian ini berjenis kuantitatif dengan *Nonequivalent control group design* dengan populasi 62 siswa, dimana kelas XI RPL 1 sebagai kelas kontrol dan XI RPL 2 sebagai kelas eksperimen. Pengumpulan data berupa instrument tes, observasi, dan angket. Berdasarkan hasil penelitian diperoleh, (1) Hasil uji signifikan menyatakan terdapat pengaruh signifikan antara model pembelajaran *pair programming* dengan hasil belajar siswa (ranah kognitif) dengan hasil hitung $t > t_{tabel}$ atau $4,294 > 2,0518$, maka H_0 ditolak. (2) Aktivitas guru memperoleh presentase 84,4% dengan kategori “baik” dan aktivitas siswa memperoleh presentase 86% dengan kategori “baik”. (3) Tanggapan siswa untuk pembelajaran dengan model *pair programming* mendapat presentase 83,53% dengan kategori “baik”. Jadi, dapat disimpulkan bahwa terdapat pengaruh model pembelajaran *pair programming* terhadap hasil belajar siswa pada mata pelajaran pemrograman berorientasi objek di SMK Semen Gresik.

Kata kunci : *pair programming*, pemrograman berorientasi objek, kurikulum merdeka, SMK

Via Putri Febriani, 2024. The influence of pair programming on student learning outcomes in object-oriented programming subjects at SMK Semen Gresik. Scripts, Informatics Education Study Program, Faculty of Education, Trunojoyo University, Madura. Supervisor: Etistika Yuni Wijaya, S.Pd., M.Pd

ABSTRACT

Teachers' inaccuracy in choosing a learning model can cause students to have difficulty understanding the subject. Based on the results of interviews with teachers who teach object-oriented programming subjects at Semen Gresik Vocational School, the learning outcomes of class XI RPL students are still many students below the KKM. This research aims to determine the effect of the pair programming learning model on student learning outcomes in object-oriented programming material for class XI RPL Semen Gresik Vocational School, along with implementation activities and student responses. This research is a quantitative type with a nonequivalent control group design with a population of 62 students, where class XI RPL 1 is the control class and XI RPL 2 is the experimental class. Data collection takes the form of test instruments, observations and questionnaires. Based on the research results obtained, (1) The significant test results stated that there was a significant influence between the pair programming learning model and student learning outcomes (cognitive domain) with the results $t_{count} > t_{table}$ or $4.294 > 2.0518$, so H_0 was rejected. (2) Teacher activities obtained a percentage of 84.4% in the "good" category and student activities obtained a percentage of 86% in the "good" category. (3) Student responses for learning using the pair programming model received a percentage of 83.53% in the "good" category. So, it can be concluded that there is an influence of the pair programming learning model on student learning outcomes in object-oriented programming subjects at Semen Gresik Vocational School.

Keywords: pair programming, object-oriented programming, independent curriculum, vocational school