

## Abstrak

Fathurrahman. 2017. *Efektivitas Model Project Based Learning Materi Cascading Style Sheet (Css) Kelas X*. Sripsi, Program Studi Pendidikan Informatika, Universitas Trunojoyo Madura.

Pembimbing: (I) Ariesta Kartika Sari, S.Si., M.Pd., dan (II) Sigit Dwi Saputro, S.Pd., M.Pd

**Kata-kata Kunci:** *efektivitas, model project based learning, cascading style sheet, hasil belajar,*

*Cascading style sheet* (CSS) merupakan salah satu materi pemrograman web yang menuntut siswa untuk berkreasi seindah mungkin dalam membuat sebuah halaman *website*. Sementara pembelajaran yang dilakukan belum menerapkan model yang sesuai dengan karakteristik materi dan siswa. Penelitian ini bertujuan: (1) mengetahui pengaruh model *project based learning* terhadap hasil belajar siswa pada materi *cascading style sheet*; dan (2) keefektivan model *project based learning* pada materi *cascading style sheet*. Penelitian ini merupakan penelitian *Quasi-Experiment Non-Equivalent Control Group Design*. Subjek penelitian ini yaitu siswa kelas X Rekayasa Perangkat Lunak (RPL) SMK Negeri 1 Labang sejumlah 61 siswa. Hasil penelitian menunjukkan bahwa: (1) terdapat pengaruh yang signifikan dan positif model *project based learning* terhadap hasil belajar siswa pada materi *cascading style sheet*. Pengaruh dapat dilihat melalui perbandingan nilai  $t_{hitung}$  dan  $t_{tabel}$  pada uji regresi linear sederhana sebesar  $3,3748 > 2,042$ . (2) Model *project based learning* efektif digunakan pada materi *cascading style sheet*. Efektivitas dapat dilihat melalui: (1) keterlaksanaan pembelajaran pada pertemuan pertama dan kedua sebesar 82,14% dan 90,9%, (2) aktivitas siswa pada pertemuan pertama dan kedua sebesar 67,07% dan 69,71%, (3) perbandingan nilai  $t_{hitung}$  dan  $t_{tabel}$  pada uji regresi linear sederhana sebesar  $3,3748 > 2,042$ ; (4) ketuntasan belajar siswa mencapai 90,9% dari 32 siswa; dan (5) respon siswa sebesar 75,8% dari 27 siswa termasuk kategori baik.

## Abstarct

Fathurrahman.2017.The Effectiveness Of Project Based Learning Model On Cascading Style Sheet (CSS) Material In Grade X. Thesis. Department Of Education, University Of Tronojoyo Madura.

Advisors: (1) Ariesta Kartika Sari,S.Si.,M.Pd., and (2) Sigit Dwi Saputro.,S.Pd.,M.Pd

**Keyword:** *effectiveness, project based learning, cascading style sheet. study results*

Cascading style sheet (CSS) is a web programing materian that demands the students to create a website as attractive as possible. However, the previous learning methods use haven't applied particular model based on the characteristics of the students as well as the material. The purposes of this research are: (1) finding out the effect of project based learning (PjBL) model to students' study result on CSS material, and (2) khowing the effectiveness of project based learning model on CSS material. The research adosed Quasi Experimental: The Non-Equivalent Control Group Design. The Research subject consisted of 61 students of grade X software engineering (SE) SMKN 1 Labang in the case. X SE 1 Class acted as the experimental group while X SE 2 was the control group. Based on the analysis of the data, the finding revealed that: (1) there was significant and pistive effect of project based learning model tu the students' study results on cascading style sheet material. This effect could be observed through the value ratio of  $t_{calc}$  and  $t_{table}$  in simple linear regression analysis, it was  $3,3748 > 2,042$ , (2) project based learning model was effective to use on cascading style sheet material. This effectiveness could be observed through: (1) learning activity on the first and second meeting amount is 82,14% and 90,9%, (2) student activity on the first and second meeting amount is 67,07% and 69,71%, (3) the value ratio of  $t_{calc}$  and  $t_{table}$  in simple linear regression analysis, it was  $3,3748 > 2,042$ ; (4) the completeness on students' learning which reached up to 84,4% out of 32 students; (5) the students' responses included in the good category were 75,8% out of 27 student.