

**PERBEDAAN MODEL *PROJECT BASED LEARNING* DAN MODEL  
*DIRECT INSTRUCTION* DITINJAU DARI ASPEK MOTIVASI BELAJAR  
DAN HASIL BELAJAR PADA MATA PELAJARAN  
GAMBAR TEKNIK MESIN**

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**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui (1) adanya perbedaan motivasi belajar pada siswa yang diajarkan dengan model *project based learning* dan model *direct instruction* (2) adanya perbedaan hasil belajar pada siswa yang mengikuti model *project based learning* dan model *direct instruction* (3) Pengaruh motivasi belajar secara simultan terhadap hasil belajar siswa yang mengikuti model pembelajaran *Project Based Learning* dengan siswa yang mengikuti model pembelajaran *Direct Instruction*.

Jenis penelitian ini adalah eksperimen semu dengan desain *The Posttest-Only Control-Group design*. Metode pengumpulan data yang digunakan yaitu metode angket untuk mengukur motivasi belajar dan tes *Posttest* untuk mengukur hasil belajar. Data motivasi belajar dan hasil belajar kemudian dianalisis menggunakan manova dengan Uji prasyarat, yaitu uji normalitas, uji homogenitas varians dan uji hipotesis.

Hasil penelitian menunjukkan (1) terdapat perbedaan motivasi belajar pada siswa yang diajarkan dengan model *project based learning* dan model *direct instruction*. Hasil analisis diketahui F sebesar 4,021 sig=0,049. Hal ini berarti  $H_0$  ditolak. (2) terdapat perbedaan hasil belajar pada siswa yang mengikuti model *project based learning* dan model *direct instruction*. Hasil analisis diketahui F sebesar 46,824, sig = 0,000. Hal ini berarti  $H_0$  ditolak (3) Terdapat pengaruh motivasi belajar secara simultan terhadap hasil belajar siswa yang mengikuti model pembelajaran *Project Based Learning* dengan siswa yang mengikuti model pembelajaran *Direct Instruction*. Hasil analisis diketahui F sebesar 24,542, Sig = 0,00. Hal ini berarti  $H_0$  ditolak.

**Kata Kunci :** *Project Based Learning, Direct Instruction, Motivasi belajar, Hasil belajar.*

***THE DIFFERENCES OF PROJECT BASED LEARNING AND MODELS  
DIRECT INSTRUCTION VIEWED FROM THE ASPECT OF LEARNING  
MOTIVATION AND LEARNING OUTCOMES IN SUBJECTS  
MECHANICAL ENGINEERING DRAWINGS***

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***ABSTRACT***

*This Study aims to determine (1) the existence of differences in motivation learning to students who are taught with project based learning models and models direct instruction (2) there are differences in learning outcomes in students who follow the project based learning model and the direct instruction model (3) does learning motivation influence simultaneously on students learning outcomes following the project based learning model with students who following the direct instruction learning model.*

*This type of research is quasi-experimental with the posttest-only design control-group design. The data collection method used is method questionnaire to measure learning motivation and the posttest test to measure results study. Data on learning motivation and learning outcomes were then analyzed using manova with prerequisite test, namely normality test, variance homogeneity test and test hypothesis.*

*The results of the study show (1) there are differences in learning motivation in students who are taught with the project based learning model and the direct instruction models. The results of the analysis show that  $F$  is 4.021 Sig=0.049. this means  $H_0$  rejected. (2) there are differences in learning outcomes for students who follow the model project based learning and direct instruction models. The results of the analysis are known to be  $F$  is 46.824 Sig=0.000. this means that  $H_0$  is rejected (3) there is a simultaneous influence of learning motivation on the learning outcomes of students who take part project based learning model with students who follow thw model direct instruction. The results of the analysis show that  $F$  is 24.542 Sig=0.00. this means  $H_0$  is rejected.*

***Keywords : Project Based Learning, Direct Instruction, motivation, learning outcomes***