

Abstrak

Tujuan penelitian ini untuk meningkatkan kemampuan komunikasi matematis peserta didik dan *Self Directed Learning* dengan model pembelajaran *Complete Sentence* berbantuan LKPD. Penelitian ini dilakukan di kelas X TKJ SMK Bakti Ilham Rancaekek. Metode penelitian yang dipilih yaitu kuasi eksperimen. Sampel penelitian ini yaitu kelas X TKJ A sebagai kelas kontrol dan X TKJ B sebagai kelas eksperimen. Instrumen yang digunakan dalam penelitian ini yaitu instrumen tes dan non tes. Hasil penelitian diperoleh bahwa: 1) Keterlaksanaan proses pembelajaran guru dan peserta didik yang menggunakan model *Complete Sentence* berbantuan LKPD berada pada kategori sangat baik. 2) Peningkatan kemampuan komunikasi matematis antara peserta didik yang menggunakan model pembelajaran *Complete Sentence* berbantuan LKPD lebih tinggi daripada peserta didik yang menggunakan model pembelajaran konvensional. 3) Pencapaian kemampuan komunikasi matematis antara peserta didik yang menggunakan model pembelajaran *Complete Sentence* berbantuan LKPD lebih tinggi daripada peserta didik yang menggunakan model pembelajaran konvensional. 4) *Self Directed Learning* peserta didik umumnya memberikan sikap yang positif setelah menggunakan model pembelajaran *Complete Sentence* berbantuan LKPD.

Kata kunci: Kemampuan Komunikasi Matematis, *Self Directed Learning*, *Complete Sentence*, LKPD



Abstract

The purpose of this study is to improve students' mathematical communication skills and Self Directed Learning with the Complete Sentence learning model assisted by LKPD. This research was conducted in class X TKJ SMK Bakti Ilham Rancaekek. The research method chosen is quasi-experiment. The sample of this study was class X TKJ A as a control class and X TKJ B as an experimental class. The instruments used in this study are test and non-test instruments. The results of the study were obtained that: 1) The implementation of the learning process of teachers and students using the Complete Sentence model assisted by LKPD was in the very good category. 2) Improvement of mathematical communication skills between students who use the Complete Sentence learning model assisted by LKPD is higher than students who use conventional learning models. 3) The achievement of mathematical communication skills between students who use the Complete Sentence learning model assisted by LKPD is higher than students who use conventional learning models. 4) Self Directed Learning students generally give a positive attitude after using the Complete Sentence learning model assisted by LKPD.

Keywords: *Mathematical Communication Skills, Self Directed Learning, Complete Sentence, LKPD*

