INTEGRATION OF CHARACTER VALUES IN LEARNING PRACTICES FRAIS MACHINING THROUGH THE IMPLEMENTATION OF A CHARACTER BASED COMPETENCE BASED TRAINING (CBT) LEARNING MODEL

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ABSTRACT

This research was conducted with the aim of knowing: (1) the difference in student learning activities between classes that apply the character-based CBT learning model and those that do not; (2) differences in student achievement between classes that apply the character-based CBT learning model and those that do not.

The research design used was a quasi-experimental design or two groups of Quasi Experimental Design. The population in this study were the 3rd semester students who took the Milling Machining Process course, which amounted to 4 classes with details for the S1 program amounting to 2 classes and the D3 program amounting to 2 classes. The research sample was taken by cluster sampling, namely for the undergraduate program one class was taken as the control class and for the D3 program, one class was taken as the experimental class. To collect data on student work attitudes and behavior during learning using observation techniques. Meanwhile, to measure student achievement, it is carried out with a competency-based assessment sheet consisting of aspects of work processes or attitudes, dimensions of work objects and time used during practice. Meanwhile, data analysis used quantitative descriptive techniques.

The results of this study are: (1) there are differences in student learning activities in the practice of Milling Machining through the application of the character-based CBT learning model, where student learning activities in the experimental class are better than the control class; (2) there are differences in student achievement in learning Milling Machining practices through the application of the character-based CBT learning model, where the learning achievement in the experimental class is better than the control class.

Kata Kunci: *milling, character based CBT*