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THE EVALUATION OF LEARNING ENVIRONMENT DESIGNED FOR USING THRE DIMENSIONAL DYNAMIC GEOMETRY SOFTWARE: TEACHER VIEWS

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ABSTRACT

It is an expected situation that education is influenced by the advancement of technology rapidly and we feel it at every stage of life. Thanks to the advancement of technology, three-dimensional dynamic geometry software has emerged and it is thought that they will provide great convenience to math education. Some features of three-dimensional dynamic geometry software like being dynamic, allowing for constructing geometrical structures and looking at them from every aspect, dragging, measuring are very useful. However, some researchers find that teachers have some problems with using this software in spite of all these advantages. The purpose of this study is to find out teachers' views about learning environment which designed with a three-dimensional dynamic geometry software called Cabri 3D. This study was carried out with case study. The sample of the study consisted of two mathematics teachers. One of the teachers works in town center and the other one works in the village. Descriptive analysis was used to investigate the data obtained from the research. Research results show that the teachers have different viewpoints about the computer-aided learning environment although they have similar competence. Based on the results obtained from this study, it can be suggested that more specific in-service training should be organized for the teachers in order to adapt the computer-aided instruction in mathematics education.

Key Words: Three Dimensional Dynamic Geometry Software, Learning Environment, Teachers' Views.