The Effect of different design providing electronic training support in simulation experiments in virtual laboratory on the experimental skill performance for the university students

The difference between the results of research and studies regarding the design providing electronic training support is the approach to the current research problem. Which found three different directions (before – during – after) instructional task, each of them is supported by the research and educational scientific theories. The goal of current research is identify the effect of different design providing electronic training support on the experimental skill performance for the university students. Through the design of three simulation experiments in virtual laboratory by three designs providing electronic training support (before – during – before and during together). Have been taught for a number (36) of the students of the faculty of agriculture, Fayoum university through an electronic course via the web. The researcher found effectiveness of electronic training support and increase the size of its effect, regardless of the type its design. While the results showed about equal to the two types of design providing electronic training support (during, before and during together). In addition to the weakness the effect of the type of design providing electronic training support (before) in exchange for the other two types. The study recommended the need scientific research interesting to electronic training support, its design variables and linking them the learning environment and the characteristics of learners.

Keywords: Electronic training support – Virtual laboratory – Simulation experiments – Electronic courses