

Developing Analysis Skills about electrical DC circuit by Virtual board on Ohm's law

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This study aimed to developing analysis Skills and solving a problem about electrical circuit. In the time, Learning of students to attend on examination of University. Teaching in mostly schools emphasized theory but knowledge in physics must study from learning by doing for foundation in future. In this research, the participants were attending students level as grade 12. There were 35 students one group. The first, experiment have used examination of multiple choices 12 articles about DC circuits which is developed by Paula V. Engelhardt and Robert J. Beichner North Carolina State University Department of Physics . The result was found that 88.57 percentage from 35 students through the target 60 percentage of full marks. And practical tests by learners used project board appear that 35 students through the target 60 percentage of full marks 0 percentage. Consequently the student must practice with virtual electronic board then test again. The pretest posttest group design was used in carrying out the study. The data of experiment were analyzed t-test and normalized gain. The result shows that statistically significant mean differences between the pretest and post-test at significant level of .01 and average normalized gain was in medium gain (0.55). Thus this virtual board can be used efficiently as a learning tool for students to enlighten their understanding in DC circuit.

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