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DEVELOPING CONCEPT ON ENERGY CONSERVATION USING SIMPLE EXPERIMENTS FOR GRADE 10 STUDENTS

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The purpose of this research was to develop concept and retention rate on energy conservation. The activities included simple and easy experiments. This experiments looks at energy transformation from potential to kinetic energy. The samples were 30 students which were purposively selected from grade 10 in the second semester of the 2016 academic year. The research tools consisted of learning lesson plans, learning achievement test. The results showed that the experiment set worked perfectly and can be used for learning activities. The students' achievement score was significantly increased at statistical level of .05 and the students' retention rate was in a high level and learning behavior was in the good level. This simple experiments was an opportunity for students to learn to demonstrate to their future friends and experience encouraged the students to use their familiar models to explain phenomena in the daily life.

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