

# The Development Of Scientific Concept of “Momentum And Regarding Collision” For Grade 10th Students Though Learning Activities Based On The Predict-Observe-Explain (POE) Method

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The purpose of this research was to develop scientific concepts of momentum and collision for grade 10th students through Predict-Observe-Explain (POE) learning activities. There were 34 grade 10 students of Roi-Et Wittayalai School, during the second semester of academic year 2014 (November 2014 – March 2015) participated this study. There were two research tools were used in this study. Firstly, experimental tool that consisting of 6 POE lesson plans. Secondly, data collection tool consisting of multiple choice test for investigating students' understanding of the scientific concept of momentum and collision which was used for examining the student both pre-test and post-test. The pre-test results performed that most of the students contained partial conceptual understanding while some students represented alternative concepts. In contrast, the post-test shown that the number of misconception students was decreased and most of them performed good science conceptual understanding.

## Summary

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