PENGARUH PENERAPAN MODEL PEMBELAJARAN PDEODE (*PREDICT-DISCUSS-EXPLAIN-OBSERVE-DISCUSS-EXPLAIN)* TERHADAP HASIL BELAJAR KIMIA SISWA PADA MATERI LARUTAN ASAM BASA TERINTEGRASI PENDIDIKAN LINGKUNGAN HIDUP

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Abstract

This study aims to determine the effect of the application of PDEODE learning model against chemistry student learning outcomes in an acids bases solution topic environmental integrated education. This research is a quasi-experimental research designed with Nonequivalent Control Group Design. This research was conducted in SMAN 31 Jakarta 2015/2016 academic year . Sampling technique used is purposive sampling, obtained XI MIA 4 as an experimental class using PDEODE model learning and class XI MIA 3 as the control class by using 5M learning that each class has 36 students. Instruments used in this research is result of chemistry test in the form of multiple choice questions. Data were analyzed using descriptive statistical analysis and inferential statistical t-test. The average results of student learning chemistry experimental class is 85,94 while the average learning outcomes of the control class is 83.67. The results showed that there were differences in the results of studying chemistry at the experimental class and control class (t_{value} = 2.01; t_{table} = 1,66 so $t_{value} > t_{table}$). The existence of these differences indicate that the application of PDEODE learning model positive effect on students' learning outcomes in the material chemistry of acid-base solution integrates environmental education.

***Keywords**: PDEODE Learning Model, Learning s, Acids Bases solution*