

Moch Sofian Sofiyudin, Application of Authentic Assessment On Biosafety Lab Activity In Assessing Student Learning Outcomes (pre-experimental design in high school Nugraha Banung). Thesis, Department of Biology, Faculty of Teacher Training and Education, University of Pasundan Bandung.

ABSTRCT

Assessment by educators is a process which is done through the steps of planning, preparation of assessment tools, gathering information through a number of disturbing evidence that the achievement of competence of learners. This study aims to determine the Application of Authentic Assessment On Biosafety Lab Activity To Assess Student Learning Outcomes. Authentic Assessment techniques in this study using techniques and portfolio performance and learning outcomes are assessed include cognitive, affective, and psychomotor. Research conducted at the high school class X IPS 2 Bandung Nugraha with the number of 37 students as samples with pre-experimental design method that uses a pretest-posttest design design without using the control class. The results showed that the experimental class average (\bar{X}) obtained during the pretest 55.13 and increased in average value (\bar{X}) posttest be 85.54. After testing the results obtained $t_{hitung} = 4.932$, t_{tabel} value = 4.12. The data show H_a received and their improving student learning outcomes assessment with autehntic application for $t_{hitung} > t_{tabel}$. Based on the results of this study concluded that, with the application of authentic assessment of learning may affect student learning outcomes in lab biosafety.

Keywords: Authentic Assessment, Biosafety Lab, Learning Outcomes.