



## **SATISFACTION IN USING LABSTER AND ACADEMIC PERFORMANCE IN CHEMISTRY OF GRADE 12 STUDENTS AT A PHILIPPINE PRIVATE UNIVERSITY**

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### **ABSTRACT**

The education set up has transitioned mostly into online modality since COVID-19 spread across the globe. This pandemic has brought forth a lot of changes, especially in the Philippine education system wherein both educators and learners are adjusting with the new teaching and learning setup. In the field of Science, physical lab experiments are replaced by virtual lab simulations to ensure continuous learning among students and their safety as well. Labster is an example of an educational software that makes science laboratory classes possible anytime, anywhere. It provides students a meaningful experience by giving them the opportunity to use advanced and expensive equipment without the guidance of a laboratory facilitator. This descriptive-correlational study aimed to determine the satisfaction level in using Labster and academic performance among two hundred sixty-three (263) randomly selected Grade 12 STEM students at a private university in Laguna. The findings showed that the respondents have a high level of satisfaction in using Labster. In terms of academic performance in Chemistry, two-thirds of the respondents have an outstanding performance. When the respondents were grouped according to their gender and academic standing, i.e., honors received, no significant difference was noted in their level of satisfaction in using Labster. However, male respondents and those who have high honors showed better academic performance in Chemistry than their counterparts. Finally, test of correlation showed that the higher is the respondents' level of satisfaction in using Labster, the better is their academic performance in Chemistry. As a whole, the results implicate that online laboratory platforms can help students succeed in their academic performance even in the time of the current pandemic. Education institutions, therefore, can include it as a significant part of the instructional design process during and beyond the global pandemic at present.

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