JOHN B. LACSON FOUNDATION MARITIME UNIVERSITY-MOLO
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MACHINE TOOLS' RECOGNITION AMONG MARINE ENGINEERING STUDENTS

A Research Presented to the
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In Partial Fulfillment of the Requirements for the
Degree Bachelor of Science in Marine Engineering (BS Mar-E)

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Abstract

The purpose of this study is to ascertain the students' recognition of the machine tools in the Shop Laboratory at John B. Lacson Colleges Foundation-Molo Inc. this first semester of school year 2012-2013. Specifically, this study sought answer to the following questions: 1) What is recognition of the machine tools in the shop laboratory among BSMar E cadets of John B. Lacson Colleges Foundation-Molo, Inc. as an entire group and when grouped according to year level and section? 2) Are there significant differences in the level of recognition of the tools in the shop among BSMar E cadets of John B. Lacson Colleges Foundation-Molo, Inc. when the respondents are grouped according to year level and section? 3) What are the problems encountered by BSMar E cadets in their laboratory classes in the context of their machine shop classes? This study utilized survey research. This is most often used to describe a method of gathering information from a sample of individuals. It is a means involving a respondent and questionnaires to obtain quantitative or qualitative information in a particular study. It aimed to ascertain the awareness of the marine engineering students of the machine tools at John B. Lacson Colleges Foundation-Molo, Inc. Shop Laboratory. The respondents of this investigation were the second year marine engineering students this second semester, school year 2012-2013. In conducting this study, the researchers requested the selected maritime students to answer the questionnaire on machine tools' recognition after a written of request from the dean's office. As soon as permit was granted, the questionnaires were administered. The questionnaires were then gathered, collated, and subjected to SPSS 21. The researchers employed the purposive sampling in the respondents. The instrument used was the MSAP standardized questionnaire on "Machine Shop Tools." This is a 15-item test to ascertain the marine engineering students' recognition of the different machine shop tools. Results showed that 1) The BSMar E cadets' had "average" recognition of the machine tools in the shop laboratory classes as an entire group and when grouped according to section and year. 2) Significant differences were noted in the recognition of the tools in the shop among MarE cadets at JBLFMU-Molo when they were grouped according to year level and section. 3) The BSMar E students' problems in the shop are "lack of materials like soap and aprons,"

"physical facilities have to be inspected and upgraded," and "personnel supervision at all times." The conclusions are as follows: 1) A more workable strategy to teach laboratory classes such as machine tools' recognition has to be considered. 2) Students' year and section are significant variables to consider in their machine tools' recognition. 3) Problems in teaching machine shop cannot be avoided but something has to be done to address such issues. The following are likewise recommended: 1) Machine shop tools' recognition must be considered by students who are going to venture in the engine department of a vessel. Thus, they have to be trained well to be able to succeed in their future career. 2) The academic department of the college of engineering must be apprized about the results of this study. They can be the most viable channel where awareness of the profession must emanate. They can launch programs to improve skills and technical expertise among the future seafarers. 3) Parallel studies have to be conducted to promote the idea that marine engineering encompasses a lot of things; like machine shop tools' recognition. Studies must be conducted to further investigate the results of this study.