

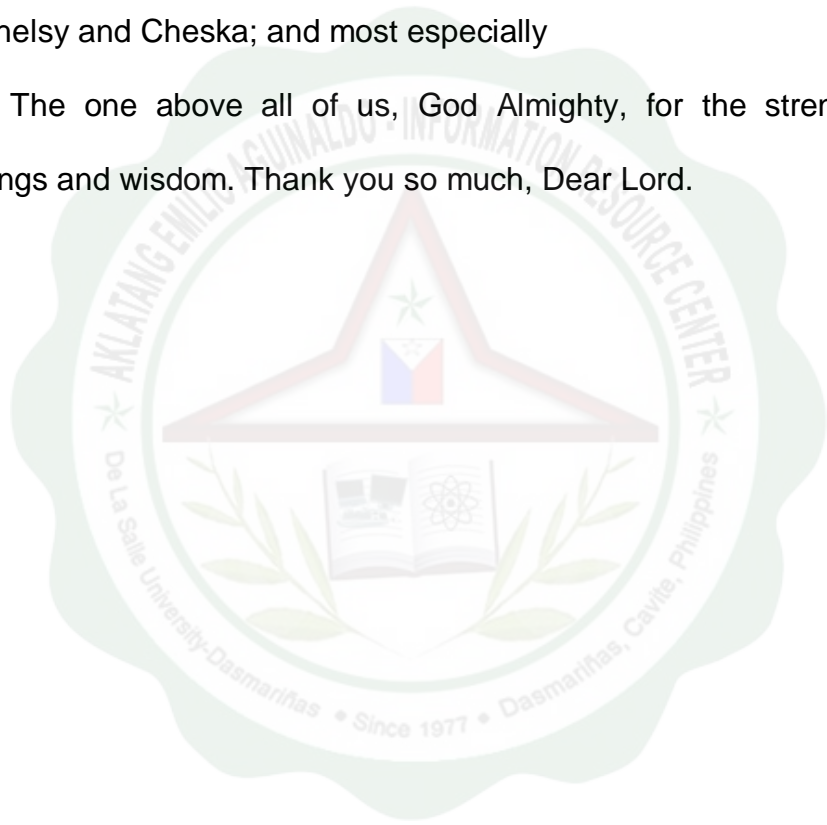
ABSTRACT

This experimental study was conducted to determine the effects of four presentation designs on students' performance level on solving algebraic word problems. In the experiment, 120 students enrolled in college algebra and taking up BS in Tourism and Resort Management and Diploma in Hotel and Restaurant Management at Cavite State University-Main Campus during the 2nd semester of SY 2011-2012 were exposed to a specific presentation design. Students were compared in terms of their entrance exam result in mathematics and found that they have equal mathematical ability. The pre-test scores were found to be not significant at 0.05 level implying that the respondents have same initial understanding on solving algebraic word problems. Comparison of the post-test results showed that presentation design *text with narration and animation* is higher than the other design. The results of the pre-test and post-test of students found to have significant differences at 0.05 level. A further analysis using DMRT was used and found out that students exposed to presentation design *text with narration and animation*, *text with animation* and *text only* were not significantly different at 0.05 level. The researcher concluded that all the four multimedia lecture-presentation designs were effective in increasing students' performance in solving algebraic word problems. However, the use of *text with narration and animation* gave the highest mean gain to the achievement scores of the students.

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B. P.P.