

Relationship Between the use of Visual Media and Students' Achievement in Biology Teaching

Aye Myat Myat Moe¹ and Kyi Swe²

Abstract

The purpose of this research is to study the relationship between students' attitude towards the use of visual media and their achievement in biology. Visual media have a great impact on students' understanding and maintaining new concepts. This study was conducted with both quantitative and qualitative research methods. (120) Grade Ten students from two schools, No. (2) BEHS Lanmadaw and No. (1) BEHS Dala in Yangon Region were selected as the sample by random sampling method. The experimental group was treated with the use of visual media and the control group was with formal instruction. A posttest was administered to both groups. According to Independent samples *t*-test, the mean scores of the No. (2) BEHS Lanmadaw was ($t = 7.32, df = 58, MD = 4.03, p < .001$) and No. (1) BEHS Dala was ($t = 10.39, df = 58, MD = 4.33, p < .001$) and showed that the students from both experimental groups were better than those of control groups. Students from experimental groups were given a questionnaire, consisting of (16) items five-point Likert-scale. In this study, the students expressed a positive attitude towards the use of visual media in biology. Pearson product-moment correlation was used to find the relationship between students' attitude and their achievement. A Pearson product-moment correlation was (0.634) and is significant at the 0.01 level (at 2-tailed). Therefore, all the research findings revealed that the use of visual media has a positive impact on the improvement of students' biology achievement at Grade Ten.

Key words: Visual, Visual media, Achievement, Biology

1. Tutor, Department of Curriculum and Methodology, Yangon University of Education

2. Professor, Dr., Daw, Department of Curriculum and Methodology, Yangon University of Education