

ABSTRACT

WINA SAKINAH, 2025. EFFECTIVENESS OF USE OF INTERACTIVE E-MODULE LEARNING MEDIA TO IMPROVE STUDENTS' PLANT AWARENESS AND DIGITAL LITERACY. *Departement of Biology Education. Faculty of Teacher Training and Education, Siliwangi University, Tasikmalaya.*

The research aims to examine the effectiveness of using the interactive e-module media on Sundanese edible plants to enhance plant awareness and digital literacy among students in the topic of classification of living organisms. This research employs a quasi-experimental design with a non-equivalent control group design. The population of this study consists of all grade X students at SMAN 2 Kota Tasikmalaya, totaling 12 classes with 370 students. The sample was selected using purposive sampling, yielding two research samples: class X-5 with 31 students as the control group and class X-4 with 31 students as the experimental group. The learning model used is problem-based learning. The instruments used to collect data on plant awareness and digital literacy were multiple-choice questions administered through pretests and posttests. The hypothesis test used the non-parametric Quade's rank test due to the data not being normally distributed. The hypothesis testing results show a significant difference with significance values of plant awareness at 0.000 and digital literacy at 0.026. Based on the effectiveness test, the partial eta squared (η^2) value for plant awareness reached 0.224 with a "large" effect size category, and 0.064 for digital literacy with a "medium" effect size category. The conclusion of this study is that there is an effectiveness in using the interactive e-module on plant awareness and digital literacy among SMAN 2 Kota Tasikmalaya students.

Keywords: *Interactive E-Module, Sundanese Edible Plants, Plant Awareness, Digital Literacy.*