

## ABSTRACT

SITI RUBIHATUL AWALIYAH. Vector Material Electronic Module Design with Interactive Lecture Demonstration (ILD) Approach. Thesis, Physics Education Study Program, Faculty of Mathematics and Natural Sciences, State University of Jakarta. August 2021.

The purpose of this research is to design an electronic module for learning physics on vector material using the Interactive Lecture Demonstration (ILD) model. This research method is Research and Development with ADDIE model. The steps in this development are making needs analysis, analyzing material, designing electronic modules, developing assessment instruments, realizing electronic module designs, product validation by experts, testing electronic modules by teachers and students, and conducting evaluations. From the survey results that have been carried out, 40 student responses have been obtained with the results: (a) 72.1% of students have difficulty in learning on their own (b) 62.8% of students have problems understanding physics concepts, (c) 95.4% of students agree that electronic modules can help in the self-study process. So it can be said that with the electronic module it can help students in the learning process and with this electronic module it makes it easier for students to access anywhere and anytime.

**Keywords:** Electronic Module, ADDIE, Interactive Lecture Demonstration (ILD), Vector.