

## ABSTRAK

**St. Maisarah.** NIM. 190101100459. Development of E-Module Assisted by the ILS Go-Lab Platform on Light Wave Material, Supervisor Irma Rahmawati, M.Pd., Department of Physics Education, Faculty of Tarbiyah and Teacher Training, UIN Antasari Banjarmasin. 2023.

**Keywords:** E-module, ILS Go-Lab Platform, Light Waves.

Based on the results of interviews with teachers from MA Siti Mariam Banjarmasin, the school still uses printed worksheets, so it only uses picture media in learning. In addition, the lack of laboratory facilities and infrastructure has limited physics learning to the use of printed worksheets. Therefore, it is necessary to develop electronic teaching materials such as e-modules that can insert interactive multimedia and a platform that provides a virtual laboratory. This study aims to determine the validity of e-modules and the ILS Go-Lab platform and student responses to the use of e-modules assisted by the ILS Go-Lab platform on light wave material.

This type of research is R&D (Research and Development), with the ADDIE development model (analyze, Design, Development, Implementation, and evaluation). This study used 2 physics lecturers and 1 physics teacher as validators, as well as 18 students of classes XI MIIA and XII MIIA MA Siti Mariam as respondents. The research instruments were a validity questionnaire and a student response questionnaire. Research data were analyzed using quantitative and qualitative descriptive analysis techniques.

The results of the e-module validity were stated to be very valid, with an average percentage of 90.40% from material experts and 95.56% from media experts. In addition, the validity of the ILS Go-Lab platform contained in the e-module is also stated to be very valid, with an average percentage of 94.17% from material experts and 96.67% from media experts. Student responses to the use of the E-module and ILS Go-Lab Platform were stated to be very good, with an average percentage of 90.51% for the e-module and 90.08% for the ILS Go-Lab platform.