ABSTRACK

NOVRIANI LARASANTI. Development of an Ethnoscience-Based Science and Technology Learning Module for Material Style in Improving Science Literacy for Class IV SD Negeri 1 Pengadangan. Primary School Teacher Education Study Program. Hamzanwadi University. Supervisors: (1) Mijahamuddin Alwi M.Pd. and (2) Husnul Mukti M.Pd.

This research aims to develop an Ethnoscience-based learning module to improve grade IV elementary school science literacy. The research method used in this research is the development method or Research and Development (R&D). By using the ADDIE model (Analysis, Design, development, implementation, and evaluation). The data collection technique uses a questionnaire technique in the form of an instrument used in this research consisting of an expert validation sheet used to validate the module and a scientific literacy test using multiple choice questions. As well as a questionnaire sheet to determine student responses to the module. The research results show that 1). Module creation goes through several stages; needs analysis, design and development, implementation, and evaluation 2). The Vadiation results of this module show that "the product is suitable for use to retrieve data with revisions according to suggestions". With the average score obtained by language experts being 4.35 in the good category, while material experts were 4.85 in the good category. 3). The Ethnoscience-based learning module is suitable for use as evidenced by the results of student responses obtaining 90% 4). The development of ethnoscience-based learning modules can increase students' scientific literacy with the results of field trials using pretests and posttests, while for the pretest results students obtained an average score of 40 in the low category. Meanwhile, the completion percentage is 15%. Meanwhile, for the posttest score, the average student score was 64 in the category while the percentage of completion was 65%. 5). The effectiveness of the module can be seen from the N-Gain Score value, namely 0.43 in the medium category. Therefore, the development of ethnoscience-based learning modules in style material can increase scientific literacy and is suitable for use and shows a level of success.

Keywords: Development, Module, Ethnoscience, Scientific Literacy