

DEVELOPMENT OF SOCIO-SCIENTIFIC-ISSUES BASED MODULE OF HUMAN BODY DEFENSE SYSTEM TO DEVELOP STUDENTS' MORAL REASONING

by Agung W. Subiantoro, Yuni Wibowo, Atik Kurniawati

ABSTRACT

The purpose of this study was to determine the quality and feasibility of the biology module based on Socio-Scientific-Issues which was developed in the defense system material of the human body to develop moral reasoning in high school class XI students.

The type of research used is Research and Development (R&D) with the ADDIE model. The stage used in this study only reached ADD (Analysis, Design, and Development). Data were obtained from 2 material experts, 2 media experts, 1 biology teacher. Limited testing was conducted at Prambanan Klaten 1 Public High School. Data was collected by questionnaire. Data analysis was carried out descriptively and qualitatively by calculating the percentage to calculate its feasibility.

The results of module quality research from material experts show that the whole concept is correct, the highest percentage of assessment by material experts is a very good category of 65.15%. The good category according to media experts is 64.76%, and the teacher is 82% based on the conformity aspects of teaching material, presentation, language, and technical appearance. The results of student responses are good categories with a percentage of 62%. The conclusions from this study indicate that the modules developed in the product have good quality and are suitable for use.

Kata Kunci: *Keywords: modules, socio-scientific issues, body defense systems, and moral reasoning*