

Development of Biology Teaching Material to Improve Spiritual Quotient of Studets at Madrasah Aliyah Yogyakarta

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ABSTRACT

This study aims to 1) develop biology-based modules Alquran and Assunah to improve the spiritual quotient madrasah aliyah students in Yogyakarta and Islamic schools, 2) understand the quality of the resulting module, and 3) undertand the potential modules to develop a spiritual attitude of students. This research is a research and development (R and D) to construct prepare a module based on Alquran and Assunah. The model used ADDIE (analysis, design, development, implementation, and evaluation). In this research, the development steps up to the ADD. Instrument in this research is a sheets of validation by experts and teachers. Internal Reviewers are two lecturers as a biology expert, two lecturers as a instructional experts, and two professors as a islamic religiouns scholars. External Reviewers are three biology teachers who teach in MAN Yogyakarta 1, MAN Yogyakarta 2, and MA Muallimin Yogyakarta. To determine the ease of use module legibility test conducted on 42 students Madrasah Aliyah. Data were analyzed descriptively using percentages. Has been arranged biology learning modules for students of class XI madrasah aliyah that integrate between material science and biology with the Alquran and Assunah on the digestive and sensory system. The results showed that the truth of the concept of the material are 85.71% of the digestive system, and 88.89% on the sensory system. There are revised wrong concepts. Conformity module and competence aspect is excellent category. Linguistics aspect is excellent category. Appearance and graphic aspects are well category. In the aspect of religion, the Alquran and Assunah suitability with biology materials are 100% for digestive system and 50% sensory system. Based on the assessment of teachers all aspects of modules including the excellent category. All aspects of spiritual development of students' attitudes in the category excellent. Student responses indicate that the module is easy to use.

Kata Kunci: development of teaching materials, modules, spiritual quotient