

ABSTRACT

THE DEVELOPMENT OF CHARACTER-BASED SCIENCE INSTRUCTIONAL MODULE ABOUT CALORY TOPICS AT JUNIOR HIGH SCHOOL CLASS VII IN BANDAR LAMPUNG

By

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This research aimed to (1) describe the potential and the conditions of instructional materials of Science that had been already used, (2) describe the process of the development of character-based Science module instructional materials in accordance with the students' characteristics and needs, (3) produce the instructional materials of character-based Science module in accordance with the students' characteristics and needs, (4) describe the effectiveness the use of character-based Science module instructional materials in learning, (5) describe the efficiency of the use of character-based Science module instructional materials in learning, and (6) describe the attractiveness of the use of character-based instructional module in learning.

The research used research and development approach of Borg and Gall. The research was conducted at Junior High School 26 Bandar Lampung, Junior High School 28 Bandar Lampung, and Junior High School 2 Bandar Lampung. The data were collected by using questionnaire and test, and were analyzed quantitatively and qualitatively.

The research conclusions are : (1) Junior High School in Bandar Lampung have potential to develop module which is characterized by the absence of module and handbook used to support the goal of Science, (2) the development process of character-based Science module is validated by material, design, and multimedia experts, (3) the product produced in the form of character-based Science module as the learning complement, (4) character-based Science module is effective as instructional materials, because there is more than 60% of students achieved the goals (mastery), (5) character-based Science module is efficient as instructional materials, because there is less time used if it is compared with the time needed, with efficiency score 1,37, and (6) character-based Science module is interesting with the average attractiveness test 85,86%.

Key words : character,calory topics, instructional module.