JUNIOR HIGH SCHOOL SCIENCE TEACHING MATERIAL MODEL BASED ON SCIENTIFIC METHOD TO IMPROVE HIGH ORDER THINKING SKILLS (HOTS) AND DEVELOP SOCIAL ATTITUDES

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ABSTRACT

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This research aims at: (1) finding out characteristics of science teaching material for junior high school based on scientific method which able to improve HOTS and develop social attitudes; (2) formulating the scaffolding that may improve HOTS and develop social attitudes; and (3) finding out the feasibility of the science teaching materials that has been developed.
This research used 4 - D models which was limited only on the first three steps, i.e. define, desain, and develop. The development of the science teaching materials started by defining, followed by designing and developing. Draft of science teaching materials was discussed among the research team during the steps of defining and designing. In addition, the draft of science teaching material developed was validated by a physics expert and two junior high school science teachers. On the basis of responses and suggestion from the validators, the draft was improved.
This research has produced science teaching material for junior high school based on scientific method which was designed to improve HOTS and develop social attitudes. The developed science teaching material consists of three topics, i.e. “Structure of the Earth and Disaster” for grade VII, “Pressure and its application” for grade VIII, and “Magnetism and its make use in daily life” for grade IX. Based on the validation, the teaching material can be categorized as good. Finally, it can be concluded that the science teaching materials developed is feasible to use.

Kata Kunci: *Keywords: Scientific Method, HOTS, Social Attitudes.*