

Implementation of Curriculum 2013: Development of Junior High School Science Teaching Materials based on Scientific Method to Increase High Order Thinking Skills

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ABSTRACT

Abstract

This community service activity aims to: (1) disseminate the results of a research on Development of Junior High School Science Teaching Materials based on Scientific Method to Increase High Order Thinking Skills; (2) improve the ability of Junior High School Science teachers in developing Science Teaching Materials based on Scientific Method to Increase High Order Thinking Skills; and (3) improve Science teachers' ability to apply Science Teaching Materials based on Scientific Method to Increase High Order Thinking Skills.

The activity was carried out in the form of workshop through four following stages: (1) brainstorming to explore the experience of teachers in developing science teaching materials; (2) lectures on the nature of science and its learning, Scientific Methods, High Order Thinking Skills, and the development of science teaching materials; (3) discussion and group work to develop science teaching materials, beginning with curriculum analysis activities, analyzing the material, and creating concept maps in groups; and (4) evaluation of the activity.

The results of the community service show that in general, the participants have been able to develop junior high school science teaching materials based on scientific method that potentially able to increase High Order Thinking Skills. This is reflected in aspects of the completeness of the teaching materials component, the sequential of presentation, and the quality of the content or the correctness of the concept.

Kata Kunci: Keywords: Science Teaching Materials, Scientific Method, High Order Thinking Skills