

# **Development Science Learning Tool Based Local Potential to improve the achievement of Nature of Science (NOS)**

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## **ABSTRACT**

This study aims to: (1) produce a learning tool based on local potential IPA valid and (2) analyze the effectiveness of science teaching devices based on local potential in improving the achievement of the nature of science (NOS) junior high school students. Development model in this study is a modified model of the development of 4D and Borg & Gall which includes: (1) define (research and information collecting); (2) design (planning); (3) develop (develop preliminary form of product, preliminary field testing and main product revision; and (4) disseminate (main field testing, operational product revision). The research instruments include sheets validation of all components of the device, a test of skill and mastery of concepts, sheet observation, and questionnaires. the results showed that the learning science developed based on local potential valid and effective in improving achievement NOS

Kata Kunci: *Learning Device, Local Potential, Achievements NOS (Nature of Science)*