

Development of Science Learning Devices Based on Socio-scientific Issues Assisted by Instagram Platform to Increase Science Literacy and Self-Efficacy of Junior High School Students

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ABSTRACT

Abstract. The background of this research is from the results of Indonesian scientific literacy which is ranked below the OECD average, besides that students' self-efficacy is at the middle level so it needs to be improved. This study aims to develop science learning tools based on socio-scientific issues assisted by Instagram platform to increase students' scientific literacy and self-efficacy. The learning tools developed are E-LKPD, e-handout, and lesson plan. The method used is 4D (Define, Design, Develop, Disseminate). The results showed that there was no difference in scientific literacy and self-efficacy variables in both the control class and the experimental class. Meanwhile, the response of teachers and students regarding the learning tools developed was good.

Kata Kunci: *Learning devices, socio-scientific issue, instagram, science literacy, self efficacy*