

JORER: International Journal of Recent Educational Research Homepage: https://journal.ia-education.com/index.php/ijorer Email: ijorer@ia-education.com

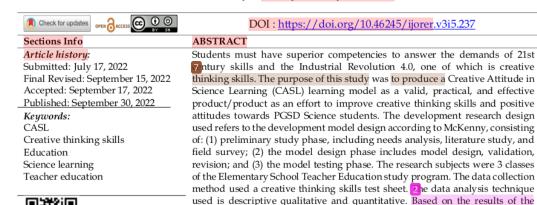
p-ISSN: 2721-852X; e-ISSN: 2721-7965
IJORER, Vol. 3, No. 5, September 2022
Page 526-533
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International Journal of Recent Educational Research

Effectiveness of the Creative Attitude Model in Science Learning (CASL) to Train Creative Thinking Skills for Elementary School Teacher Education Students

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study, it can be concluded that the CASL model can be used to train the creative.

thinking skills of elementary school teacher education students.



INTRODUCTION

College is on the places that can be used to train and develop student creativity (Daud, et al., 2012). This is reinforced by the opinion of Beckers et al. (2017), which states that universities must provide students with skills based on 21st century skills and the Industrial Revolution 4.0, one of which is creative thinking skills. Presidential Decree No. 8 of 2012 Article 5 concerning the Indonesian National Qualifications Framework a student must have competence according to level 6. Students must have superior competence with various demands for 21st century skills and the Industrial Revolution 4.0, one of which is creative thinking skills. When creative thinking skills are not developed in students in Indonesia, the graduates produced by Educational Institutions and Education Personnel will not be able to survive and compete with other global communities (Musa et al., 2012). Science learning in Educational Institutions and Education Personnel is still oriented to conventional learning that focuses on a product and memorization, so that learning that emplipates students creative skills is neglected (Kemenristik Dikti, 2015; Bappenas, 2014) and students who study physics are not interested and have no understanding after studying physics (Irving et al., 2015).

The Creative Attitude in Science Learning (CASL) model was chosen by researchers to inspire educators in teaching students creative thinking skills and positive attitudes towards science. Every human being in everyday life is faced with problems that need to be addressed immediately, both at home, in the classroom, and in society the development of the CASL model follows the path of solving problems by John Dewey (Arends, 2012) and

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