

PENGEMBANGAN BAHAN AJAR IPA BERBASIS AKTIVITAS UNTUK MENINGKATKAN KEMAMPUAN BERPIKIR KRITIS DAN KARAKTER

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ABSTRACT

This research aims to develop activity-based teaching materials to improve critical thinking skills and character with a range of material that is tailored to the curriculum for sixth grade students, analyze the feasibility of the development of teaching materials and test the effectiveness of teaching materials. Research design development adapt the model development of teaching materials 4D model that includes four stages of development, ie define, design, develop and disseminate. The results of the validation of the content matter experts the average values obtained 80.05% of the range of scores 1-4 with valid criteria / interesting / worth / clear. Results validation of expert media presentation (view) obtained 76.16% of the value percentage score range 1-4 with valid criteria / interesting / worth / clear. The results validate the language of linguists percentage values obtained 82.38% of the range of scores 1-4 with valid criteria / interesting / worth / clear. Test results limited to elementary students obtained the percentage of 78.75% of the range of scores 1-4 with valid criteria / interesting / worth / clear. The results of testing the effectiveness of teaching materials on critical thinking skills and character using t-test on the data dependent pretest scores of critical thinking in mind that the Sig (2-tailed) of $0.147 > 0.05$, and scores of characters the Sig (2-tailed) of $0.75 > 0.00$. Postes value critical thinking and character Sig (2-tailed) of $0.00 < 0.05$, t-test on independent data critical thinking and character known that Sig value of $0.00 < 0.05$ so it can be concluded that the teaching materials have feasible and can be used in the classroom to improve critical thinking and character.

Keyword : activity-based teaching materials, critical thinking, character

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