

ABSTRAK

HUBUNGAN ANTARA KEGIATAN BERCOCOK TANAM MEDIA HIDROPONIK TERHADAP CAPAIAN PEMBELAJARAN STEAM (SCIENCE, TECHNOLOGY, ENGINEERING, ART AND MATHEMATICS) PADA ANAK USIA DINI DI TK AR RAUDAH

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Tujuan penelitian ini yaitu untuk mengetahui hubungan antara kegiatan bercocok tanam media hidroponik terhadap capaian pembelajaran STEAM (*science, technology engineering, art and mathematics*) pada anak usia dini. Penelitian ini menggunakan pendekatan kuantitatif dengan metode *correlation*. Sampel yang digunakan berjumlah 30 anak. Teknik analisis data yang digunakan yaitu uji prasyarat dan uji hipotesis. Uji normalitas menggunakan uji *shapiro wilk* terhadap data hidroponik dan STEAM diperoleh nilai sig hidroponik 0,257 dan STEAM sebesar 0,264. Uji linieritas *Deviation from Linearity* menunjukkan 0,392. Uji hipotesis menggunakan uji korelasi pada bagian pearson correlation menunjukkan angka 0,646 yang berarti arah hubungan positif kuat dan pada bagian signifikan menunjukkan $0,01 < 0,05$ maka dapat disimpulkan bahwa terdapat hubungan antara kegiatan bercocok tanam media hidroponik terhadap capaian pembelajaran STEAM.

Kata Kunci: Hidroponik; STEAM; Anak Usia Dini

ABSTRACT

THE RELATIONSHIP BETWEEN HYDROPONIC MEDIA FARMING ACTIVITIES AND STEAM (SCIENCE, TECHNOLOGY, ENGINEERING, ART AND MATHEMATICS) LEARNING OUTCOMES IN EARLY CHILDHOOD AT AR RAUDAH KINDERGARTEN

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The purpose of this study is to determine the relationship between hydroponic media farming activities and STEAM (science, technology engineering, art and mathematics) learning outcomes in early childhood. This study uses a quantitative approach with the correlation method. The sample used was 30 children. The data analysis techniques used are prerequisite tests and hypothesis tests. The normality test using the Shapiro Wilk test on hydroponic and STEAM data obtained a hydroponic sig value of 0.257 and STEAM of 0.264. The linearity test of Deviation from Linearity showed 0.392. The hypothesis test using the correlation test in the pearson correlation section showed a number of 0.646 which means the direction of the positive relationship was strong and in the significant part showed $0.01 < 0.05$, it can be concluded that there is a relationship between hydroponic media farming activities and STEAM learning outcomes.

Keywords: Hydroponics; STEAM; Early Childhood