

## ABSTRAK

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PENGARUH PERMAINAN EDUKATIF *POPSICLE STICKS* TERHADAP PERKEMBANGAN MOTORIK HALUS ANAK PRASEKOLAH USIA 4-5 TAHUN RA AL-FATTAH SURABAYA

xv + 96 Halaman + 8 Tabel + 21 Lampiran

**Pendahuluan:** Perkembangan motorik halus ialah aspek krusial pada anak prasekolah karena berperan dalam menunjang kesiapan belajar, meningkatkan kemandirian dalam aktivitas sehari-hari, serta membantu anak menyesuaikan diri dengan tuntutan lingkungan. Permainan edukatif yang memuat koordinasi mata dan tangan, seperti permainan menggunakan stik es krim, ialah cara efektif untuk menstimulasi kemampuan tersebut. Penelitian ini bertujuan untuk mengetahui pengaruh permainan edukatif *Popsicle Sticks* terhadap perkembangan motorik halus anak usia 4-5 tahun di RA Al-Fattah Surabaya. **Metode:** Studi *quasy-experimantal* ini menggunakan kelompok kontrol *pretest-posttest*. Sebanyak 36 anak dipilih melalui *simple random sampling*, terdiri atas 18 anak kelompok intervensi dan 18 anak kelompok kontrol. Variabel independen ialah permainan *Popsicle Sticks*, sedangkan variabel dependen ialah perkembangan motorik halus. Analisis data menggunakan uji *Wilcoxon* untuk melihat perubahan dalam kelompok dan uji *Mann-Whitney* untuk membandingkan pengaruh antar kelompok dengan  $\alpha = 0.05$ . **Hasil:** Pada kelompok intervensi, hasil *pretest* merepresentasikan sebagian besar anak berada pada kategori *suspcet*, sedangkan hasil *posttest* merepresentasikan bahwa hampir seluruh anak berada pada kategori normal. Pada kelompok kontrol, hasil *pretest* merepresentasikan bahwa setengah dari anak berada pada kategori *suspect*, sedangkan hasil *posttest* merepresentasikan bahwa setengah dari anak berada pada kategori normal. Kelompok intervensi merepresentasikan perubahan antara *pretest* dan *posttest* ( $p = 0.001$ ), sedangkan kelompok kontrol tidak mengalami perubahan antara *pretest* dan *posttest* ( $p = 0.317$ ). Terdapat pengaruh permainan edukatif *popsicle sticks* terhadap perkembangan motorik halus anak prasekolah usia 4-5 tahun RA Al-Fattah Surabaya ( $p = 0.000$ ). **Kesimpulan:** Terdapat pengaruh permainan edukatif *popsicle sticks* terhadap perkembangan motorik halus anak prasekolah usia 4-5 tahun RA Al-Fattah Surabaya.

Kata kunci: Permainan Edukatif, *Popsicle Sticks*, Motorik Halus, Anak Prasekolah  
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## ABSTRACT

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*THE INFLUENCE OF POPSICLE STICKS EDUCATIONAL GAMES ON FINE MOTOR DEVELOPMENT OF PRESCHOOL CHILDREN AGED 4-5 YEARS RA AL-FATTAH SURABAYA*

xv + 96 Halaman + 8 Tabel + 21 Lampiran

**Introduction:** Fine motor development is essential for preschool children as it supports learning readiness, independence, and adaptability. Educational activities that involve hand–eye coordination, such as using ice cream sticks, are effective methods to stimulate these skills. This study aimed to determine the effect of the educational game Popsicle Sticks on the fine motor development of children aged 4–5 years at RA Al-Fattah Surabaya. **Methods:** A quasi-experimental pretest-posttest control-group design was used. A total of 36 children (4-5 years) were selected via simple random sampling, comprising 18 in the intervention group and 18 in the control group. The independent variable was the Popsicle Sticks educational game, and the dependent variable was fine motor development measured by the DDST II. Within-group differences were tested using Wilcoxon, while between-group effects were compared using Mann–Whitney at  $\alpha = 0.05$ . **Results:** In the intervention group, the pretest assessment revealed that the majority of children were classified in the suspect category. Following the intervention, the posttest results demonstrated a marked improvement, with almost all children reaching the normal developmental category. In contrast, within the control group, the pretest findings indicated that approximately half of the children were categorized as suspect, and the posttest results showed that only half of them achieved the normal category. Statistical analysis revealed a significant difference between pretest and posttest scores in the intervention group ( $p = 0.001$ ), while no significant change was observed in the control group ( $p = 0.317$ ). Furthermore, the Mann–Whitney test confirmed that the Popsicle Sticks educational game exerted a statistically significant influence on the fine motor development of preschool children aged 4–5 years at RA Al-Fattah Surabaya ( $p = 0.000$ ). **Conclusion:** The Popsicle Sticks educational game has a significant effect on improving the fine motor development of preschool children aged 4–5 years at RA Al-Fattah Surabaya.

*Keywords: Educational Play, Popsicle Sticks, Fine Motor Skills, Preschool Children*

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