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Latar Belakang: Kebersihan gigi berpengaruh pada peningkatan kualitas kesehatan gigi. Tumbuh kembang anak berpengaruh dalam menjaga kebersihan gigi dan mulutnya. Studi pendahuluan April 2022 diperoleh data hasil Deteksi Tumbuh Kembang Anak (DTKA), anak dengan perkembangan menyimpang sebanyak 1.2%, memiliki oral hygiene buruk 48% dan karies 60%.

Tujuan Penelitian: Diketuinya hubungan deteksi tumbuh kembang anak (DTKA) dengan tingkat kebersihan gigi dan mulut pada anak TK.

Metode Penelitian: Jenis penelitian ini adalah survey analitik. Populasi dalam penelitian ini adalah anak TK ABA Karangturi dan TK PKK 4 Baturetno yang beralamat di Baturetno, Banguntapan, Bantul, Yogyakarta. Penelitian dilakukan pada bulan November 2022. Pengambilan sampel menggunakan teknik *total sampling* yaitu semua anggota populasi dengan jumlah 37 anak. Analisis data menggunakan distribusi frekuensi dan uji *Spearman Rank*.

Hasil Penelitian: Hasil deteksi pertumbuhan anak kategori Buruk : 0, kurang : 56,17%, baik : 61,59%, lebih : 0 dan obesitas : 53,20%. Hasil deteksi pertumbuhan anak dengan Hygiene Indek kategori baik 21 anak dan buruk 16 anak. Hasil deteksi perkembangan anak kategori normal (94,6%), menyimpang (5,4%). Anak dengan perkembangan normal memiliki *Hygiene indek* baik 58,6% dan buruk 37,8%. Anak dengan perkembangan menyimpang memiliki *hygiene indek* kategori baik 0 dan buruk 5,4%. Anak dengan deteksi perkembangan normal mayoritas memiliki *Hygiene Indek* baik, sedang anak dengan perkembangan menyimpang memiliki *Hygiene Indek* buruk semua.

Kesimpulan : Tidak ada hubungan deteksi pertumbuhan anak dengan tingkat kebersihan gigi dan ada hubungan deteksi perkembangan anak dengan tingkat kebersihan gigi.

Kata Kunci: Deteksi, Tumbuh Kembang Anak, *Hygiene Indek*

THE CORRELATION BETWEEN THE DETECTION OF CHILD GROWTH AND DEVELOPMENT WITH THE LEVEL OF DENTAL AND ORAL HYGIENE IN KINDERGARTEN CHILDREN

ABSTRACT

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Background: Dental hygiene has an effect on improving the quality of dental health. The growth and development of children has an effect on maintaining the cleanliness of their teeth and mouth. The April 2022 preliminary study obtained data on the results of the Child Development Detection (DTKA), children with deviant development of 1.2%, had 48% of poor oral hygiene and 60% of caries.

Research Objectives: To know the correlation between detection of child growth and development (DTKA) and the level of dental and oral hygiene in kindergarten children.

Research Method: This type of research is an analytic survey. The population in this study were children from ABA Karangturi Kindergarten and PKK 4 Baturetno Kindergarten who are located at Baturetno, Banguntapan, Bantul, Yogyakarta. The research was conducted in November 2022. Sampling used a total sampling technique, namely all members of the population with a total of 37 children. Data analysis used frequency distribution and Spearman Rank test

Research results: The results of child growth detection in the category of bad: 0, less: 56,17%, good: 61,59%, more: 0 and obese: 53,20%. The results of detection of child growth with the Hygiene Index category were 21 children good and 16 children bad. The results of the detection of normal child development (94,6%), deviant (5,4%) categories. Children with normal development have a good Hygiene index of 58,6% and 37.8% bad. Children with deviant development have a good hygiene index category of 0 and bad 5,4%. The majority of children with normal development detection have a good Hygiene Index, while children with deviant development have a bad Hygiene Index all.

Conclusion: There is no relationship between the detection of child growth and the level of dental hygiene and there is a relationship between the detection of child development and the level of dental hygiene.

Keywords: Detection, Child Development, Hygiene Index