

## Prevalensi infeksi parasit usus pada anak-anak di tpa bantar gebang dan hubungannya dengan sumber air konsumsi = Prevalence of intestinal parasitic infection among children in tpa bantar gebang and its relationship with consumption water resource

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### Abstrak

[Infeksi parasit usus merupakan infeksi yang banyak terjadi di daerah tropis dan subtropis terutama daerah dengan fasilitas sanitasi, air dan kebersihan yang tidak adekuat. Terbatasnya sumber air konsumsi diperkirakan menjadi penyebab tingginya infeksi. Anak-anak merupakan populasi yang rentan terhadap infeksi parasit usus. Penelitian bertujuan mengetahui prevalensi infeksi parasit usus pada anak-anak dan hubungannya dengan sumber air konsumsi. Penelitian dilakukan di TPA Bantar Gebang Bekasi, Jawa Barat tahun 2012. Metode penelitian yaitu Cross-Sectional. Pengambilan data melalui kuesioner dan pemeriksaan feses yang melibatkan 139 anak usia 0-15 tahun. Pemeriksaan feses menggunakan metode Kato Katz dan teknik identifikasi protozoa usus dengan larutan lugol atau eosin. Data yang diperoleh diproses dengan SPSS versi 16.0 dan dianalisis dengan uji Chi-square. Hasil penelitian menunjukkan prevalensi infeksi parasit usus 72,7%. Infeksi disebabkan oleh Blastocystis hominis 53,5%, Giardia lamblia 30,9%, Trichuris trichura 20,9%, Ascaris lumbricoides 4,3% dan Entamoeba histolytica 2%. Uji Chi-square tidak menunjukkan perbedaan bermakna antara prevalensi infeksi parasit usus yang dihubungkan dengan sumber air konsumsi ( $p>0,05$ ).

Disimpulkan bahwa prevalensi infeksi parasit usus pada anak-anak di TPA Bantar Gebang tinggi dengan Blastocystis hominis merupakan parasit yang paling banyak menginfeksi. Selain itu, sumber air konsumsi tidak berhubungan dengan infeksi parasit usus.;Intestinal parasitic infection is the most infection in tropic and subtropics regions where sanitation facilities, water and hygiene are inadequate. Limited of consumption water resource is estimated to be the cause of high infection.

Children is a susceptible population of intestinal parasitic infection. The aim of this study was determine the prevalence of intestinal parasitic infection among children and its relationship with consumption water resource. This study was conducted in TPA Bantar Gebang Bekasi, West Java on 2012. The method of study was cross-sectional. Data was collected by questioner and stool examination on 139 children within 0-15 years old. Stool examination was determined using Kato Kats method and intestinal protozoa identification technique using lugol or eosin solution. Data was processed by SPSS version 16.0 and analyzed by Chi-square test. The result showed prevalence of intestinal parasitic infection was 72,7%. The infection caused by Blastocystis hominis

(53,5%), Giardia lamblia (30,9%), Trichuris trichura (20,9%), Ascaris lumbricoides (4,3%) and Entamoeba histolytica (2%). Chi-square test did not showed significant difference of prevalence of intestinal parasitic infection and its relationship with consumption water resource ( $p>0,05$ ). In conclusion, prevalence of intestinal parasitic infection among children in TPA Bantar Gebang was high that mostly caused by Blastocystis hominis. Moreover, consumption water resource had not relationship with prevalence of intestinal parasitic infection.;Intestinal parasitic infection is the most infection in tropic and subtropics regions where sanitation facilities, water and hygiene are inadequate. Limited of consumption

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