

Pengaruh particulate matter 10 (PM10) udara rumah tinggal terhadap kejadian infeksi saluran pernafasan akut (ISPA) pada balita di wilayah kerja Puskesmas Pejuang Kecamatan Medan Satria Kota Bekasi tahun 2013 = The effect of particulate matter 10 (PM10) of residential air to the genesis of acute respiratory infections (ARI) in toddlers in the region work primary health care of Pejuang sub District Medan Satria Bekasi in 2013

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Abstrak

Infeksi Saluran Pernafasan Atas (ISPA) adalah penyakit terbanyak di Puskesmas Pejuang tahun 2012, dengan Insiden Rate 9,58%. Particulate Matter 10 (PM10) merupakan salah satu faktor resiko penyebab ISPA. Penelitian ini bertujuan untuk mengetahui pengaruh PM10 udara rumah tinggal terhadap kejadian ISPA Balita. Metode penelitian cross sectional. Populasinya seluruh balita di kecamatan Medan Satria, sampelnya 130 balita. Hasil pengukuran didapatkan kadar rata-rata PM10 udara rumah tinggal sebesar 72g/m³ dan terdapat 88 balita (67,7%) mengalami ISPA. Disimpulkan bahwa kadar PM10 yang tidak memenuhi syarat berpeluang 11,33 kali lebih besar terkena ISPA dibandingkan dengan kadar PM10 yang memenuhi syarat. Acute Respiratory Infections (ARI) the first from ten ranks of most diseases in district Medan Satria in 2012, with Incidence Rate 9.58%. Particulate Matter 10 (PM10) is one of their risk factors of Acute Respiratory Infections. This research aims to know the effects of PM10 of Residential Air on respiratory events in toddlers. This research method using cross sectional. The population is the entire toddler in district Medan Satria, the sample are 130 toddlers. Measurement results obtained average PM10 levels air House of 72 g/m³ and there are 88 toddlers experiencing respiratory. It was concluded that PM10 levels are not eligible have the opportunity to be a cause of respiratory infection in toddler by 11,33 times compared with PM10 in homes that meet the requirements.