

Hubungan kadar gula darah puasa dan hasil pemeriksaan bakteri tahan asam Sputum Pasin Tuberkulosis di Ternate = Fasting blood glucose levels and their relation to the degree of sputum AFB in patient with tuberculosis in Ternate

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Abstrak

[Tuberkulosis (TB) dan diabetes mellitus (DM) merupakan 2 penyakit dengan prevalensi yang tinggi di Indonesia. Gambaran kadar gula darah puasa (GDP) penderita TB dan hubungannya dengan derajat BTA sputum belum banyak diketahui. Penelitian ini bertujuan mengetahui ada tidaknya perbedaan rerata GDP antar derajat BTA dan melihat hubungan antara kadar GDP dengan derajat BTA sputum pasien TB di Ternate. Dari hasil penelitian, diperoleh rata-rata GDP pasien TB $109,34 \pm 74,2$ mg/dl, tidak terdapat perbedaan rerata kadar GDP yang bermakna antara kelompok derajat BTA dan terdapat hubungan antara derajat BTA sputum dengan hasil pemeriksaan GDP pada pasien TB ($p = 0,035$) dengan proporsi DM pada pasien TB dengan BTA+3 mencapai 40%. Tuberculosis (TB) and diabetes mellitus (DM) are two diseases with high prevalences in Indonesia. Fasting blood glucose (FBG) levels in TB patients and its relationship with the degree of acid fast bacilli (AFB) in sputum smear is still not widely known. This research aimed to get the FBG levels, its mean difference among the degrees of AFB and its relationship with AFB levels in TB patient's sputum smear in Ternate. The result of FBG level of TB patients was $109,34 \pm 74,2$ mg/dl. There is no significant mean differences of FBG level among the degrees of AFB but there was an association founded between FBG and AFB levels in TB patients ($p = 0,035$). In addition, the proportion of DM among TB patient with AFB +3 reached 40%.]