

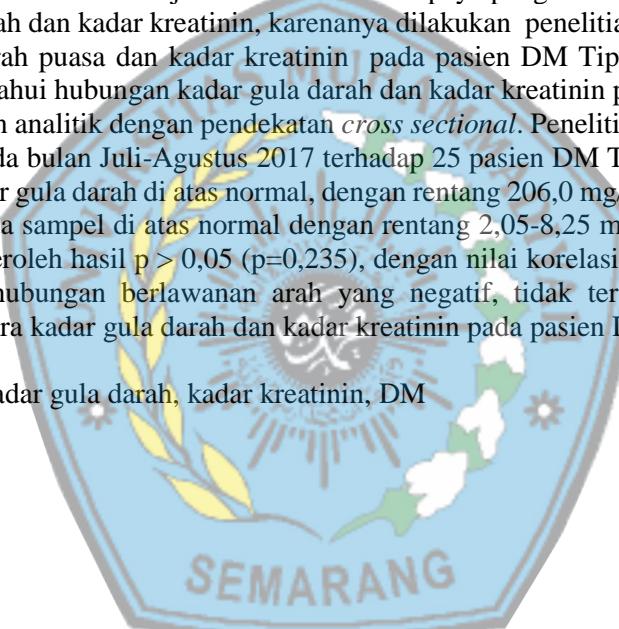
**HUBUNGAN KADAR GULA DARAH DAN KREATININ PADA PASIEN
DIABETES MELITUS TIPE 2 DI RSUD AMBARAWA**
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ABSTRAK

Pemeriksaan kadar kreatinin dalam darah merupakan salah satu parameter yang digunakan untuk menilai fungsi ginjal pada penderita DM, karena konsentrasi dalam plasma dan ekskresinya di urin dalam 24 jam relatif konstan. Upaya pengendalian DM dengan periksa kadar gula darah dan kadar kreatinin, karenanya dilakukan penelitian mengenai hubungan kadar gula darah puasa dan kadar kreatinin pada pasien DM Tipe 2. Tujuan penelitian adalah mengetahui hubungan kadar gula darah dan kadar kreatinin pada pasien DM tipe 2. Jenis penelitian analitik dengan pendekatan *cross sectional*. Penelitian dilakukan di RSUD Ambarawa pada bulan Juli-Agustus 2017 terhadap 25 pasien DM Tipe 2. Hasil penelitian diperoleh kadar gula darah di atas normal, dengan rentang 206,0 mg/dl-553,0 mg/dl., kadar kreatinin semua sampel di atas normal dengan rentang 2,05-8,25 mg/dl. Hasil uji korelasi Spearman diperoleh hasil $p > 0,05$ ($p=0,235$), dengan nilai korelasi (r) = -0,237, memberi arti terdapat hubungan berlawanan arah yang negatif, tidak terdapat hubungan yang signifikan antara kadar gula darah dan kadar kreatinin pada pasien DM Tipe 2.

Kata kunci : kadar gula darah, kadar kreatinin, DM



THE RELATIONSHIP OF BLOOD SUGAR AND KREATININ LEVEL ON DIABETES MELITUS TYPE 2 PATIENTS IN RSUD AMBARAWA

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ABSTRACT

The examination of creatinine level in blood is one of the parameters which used to assess kidney function on DM patients, because the concentration in plasma and its excretion in urine during 24 hours is relatively constant. Effort to control the DM by checking blood sugar level and creatinine level, therefore conducted a research about the relationship between fasting blood sugar level and creatinine level on DM Type 2 patients. The research goal is to know the relationship of blood sugar level and creatinine level on DM type 2 patients. The research type is analytic with cross sectional approach. The research was conducted in RSUD Ambarawa on July-August 2017 towards 25 DM Type 2 patients. The research result was obtained above normal blood sugar level, with range of 206.0 mg/dl-553.0 mg/dl, creatinine level of all samples in over the normal with range of 2.05-8.25 mg/dl. Spearman correlation test result was obtained $p > 0,05$ ($p = 0,235$), with correlation value (r) = -0,237, give meaning that there was negative opposite relationship, there was no significant relationship between blood sugar level and creatinine level on DM Type 2 patients.

Keywords: blood sugar level, creatinine level, DM

