

POLITEKNIK KESEHATAN TANJUNG KARANG
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IDENTIFIKASI POTENSI *DRUG-DRUG INTERACTIONS* (DDI'S) PADA PASIEN DIABETES MELITUS TIPE 2 DI RSUD PRINGSEWU TAHUN 2021

xvii + 69 halaman, 12 tabel, 16 gambar, 5 lampiran

ABSTRAK

Diabetes merupakan penyakit kronis berupa gangguan metabolik yang ditandai dengan tingginya kadar gula darah hingga melebihi batas normal. Kriteria diabetes melitus menurut Riskesdas 2018 mengacu pada konsensus Perkumpulan Endokrinologi Indonesia (PERKENI) dan *American Diabetes Association* (ADA) yaitu bila kadar glukosa darah puasa ≥ 126 mg/dl, atau glukosa darah sewaktu ≥ 200 mg/dl. Indonesia menempati peringkat ke tujuh di dunia dengan prevalensi penderita diabetes melitus tertinggi di dunia, di Provinsi Lampung sendiri, penyakit diabetes melitus menempati urutan ke empat sebagai penyakit tidak menular terbanyak pada tahun 2009 yaitu sebanyak 373 kasus.

Penelitian ini bertujuan untuk mengetahui potensi *drug-drug interactions* (DDI'S) pada pasien diabetes melitus tipe 2 di RSUD Pringsewu tahun 2021. Penelitian ini dilakukan dengan metode deskriptif kuantitatif, dan pengambilan sampel menggunakan teknik *Purposive Sampling* dengan jumlah sampel 100 rekam medik pasien serta alat ukur penelitian menggunakan lembar pengumpulan data. Hasil penelitian menunjukkan bahwa pasien diabetes melitus tipe 2 yang berpotensi mengalami DDI'S yaitu sebanyak 67%. Berdasarkan jenis kelamin pasien perempuan lebih berpotensi mengalami DDI'S dibandingkan laki-laki yaitu sebanyak 49 pasien (68,1%). Berdasarkan usia pasien dengan usia 55-64 tahun lebih berpotensi mengalami DDI'S yaitu sebanyak 26 pasien (68,4%), berdasarkan kombinasi obat antidiabetik pasien dengan obat tunggal lebih berpotensi mengalami DDI'S yaitu sebanyak 40 pasien (60,6%), berdasarkan jumlah item obat pasien dengan jumlah item obat ≥ 5 obat lebih berpotensi mengalami DDI'S yaitu sebanyak 54 pasien (71,1%), serta pasien dengan kadar gula darah tidak terkontrol yaitu sebanyak 66 pasien dengan persentase yang berpotensi mengalami DDI'S paling tinggi yaitu sebanyak 40 pasien (60,6%).

Kata kunci : *Drug-Drug Interactions*, Diabetes Melitus, RSUD Pringsewu
Daftar Bacaan : 43 (2004-2022)

**POLYTECHNIC OF HEALTH TANJUNGPUR
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**IDENTIFICATION OF POTENTIAL DRUG-DRUG INTERACTIONS (DDI'S)
IN TYPE 2 DIABETES MELLITUS PATIENTS IN PRINGSEWU HOSPITAL IN
2021**

xvii + 69 pages, 12 tables, 16 images, 5 attachments

ABSTRACT

Diabetes is a chronic disease in the form of metabolic disorders characterized by high blood sugar levels that exceed normal limits. The criteria for diabetes mellitus according to Riskesdas 2018 refers to the consensus of the Indonesian Endocrinology Association (PERKENI) and the American Diabetes Association (ADA), namely when fasting blood glucose levels are 126 mg/dl, or blood glucose is 200 mg/dl. Indonesia was ranked seventh in the world with the highest prevalence of diabetes mellitus in the world, in Lampung Province itself, diabetes mellitus was ranked fourth as the most non-communicable disease in 2009 with 373 cases.

This study aims to determine the potential for drug-drug interactions (DDI'S) in patients with type 2 diabetes mellitus at Pringsewu Hospital in 2021. This study was conducted using a quantitative descriptive method, and sampling using the purposive sampling technique with a total sample of 100 patient medical records and measuring instruments. research using data collection sheets. The results showed that patients with type 2 diabetes mellitus who had the potential to experience DDI'S were 67%. Based on gender, female patients were more likely to experience DDI'S, as many as 49 patients (68.1%). Based on the age of patients aged 55-64 years, as many as 26 patients (68.4%) were more likely to have DDI'S, based on the combination of antidiabetic drugs, patients with a single drug are more likely to have DDI'S, namely 40 patients (60.6%), based on the number of drug items, patients with drug items 5 drugs were more likely to have DDI'S, namely 54 patients (71.1%), and patients with uncontrolled blood sugar levels, namely 66 patients with the highest percentage of potentially experiencing DDI'S, namely 40 patients. (60.6%).

*Keywords : Drug-Drug Interactions, Diabetes Mellitus, Pringsewu Hospital
Reading List : 43 (2004-2022)*