

Universitas Ngudi Waluyo
Program Studi Farmasi Fakultas Ilmu Kesehatan
Skripsi, Agustus 2022
Putu Putri Septina Widyadewi
052201025

**IDENTIFIKASI POTENSI INTERAKSI OBAT ANTIHIPERTENSI PADA
PASIEN RAWAT JALAN DI RSU PRIMA MEDIKA DENPASAR
PERIODE OKTOBER-DESEMBER 2021**

ABSTRAK

Latar belakang : Hipertensi didefinisikan sebagai tekanan darah arteri yang terus meningkat yaitu sistol >129 dan/atau diastol >80. Hipertensi memiliki potensi besar untuk mengalami polifarmasi dan interaksi obat. Tujuan penelitian ini adalah untuk mengidentifikasi potensi interaksi obat antihipertensi pada pasien rawat jalan di RS Prima Medika Denpasar periode Oktober-Desember 2021.

Metode : Penelitian ini bersifat retrospektif dengan mengambil 90 sampel data rekam medis pasien rawat jalan dengan diagnosis hipertensi periode Oktober-Desember 2021. Potensi interaksi obat dianalisis berdasarkan mekanisme dan tingkat keparahan interaksi obat menggunakan aplikasi IBM Micromedex®, www.drugs.com dan jurnal-jurnal pendukung.

Hasil : Berdasarkan jenis polifarmasi, terdapat 89 resep (99%) dengan kategori polifarmasi minor dan 1 resep (1%) dengan kategori polifarmasi mayor. Dari total 90 resep, didapatkan 34 resep (36%) berpotensi mengalami interaksi obat. Berdasarkan tingkat keparahannya, didapatkan 4 resep berpotensi mengalami interaksi mayor (kombinasi Lisinopril/Spironolakton sebanyak 2 resep, kombinasi Candesartan/Lisinopril sebanyak 2 resep) serta 30 resep berpotensi interaksi moderate. Berdasarkan mekanisme kerja interaksi obat, didapatkan bahwa 34 resep berpotensi mengalami interaksi obat secara farmakodinamik.

Kesimpulan : Terdapat 34 kasus potensi interaksi obat antihipertensi secara farmakodinamik pada pasien rawat jalan RSU Prima Medika Denpasar periode Oktober-Desember 2021 dengan tingkat keparahan mayor sebanyak 4 kasus (12%), serta moderate sebanyak 8 kasus (88%).

Kata kunci : Hipertensi, Interaksi Obat, Rawat Jalan

Kepustakaan : 28 (2009-2021)

Ngudi Waluyo University
Study Program of Pharmacy, Faculty of Health
Final Project, Agustus 2022
Putu Putri Septina Widyadewi
052201025

IDENTIFICATION OF POTENTIAL INTERACTIONS OF ANTI-HYPERTENSIVE DRUGS IN OUTPATIENT AT THE PRIMA MEDIKA HOSPITAL FOR PERIOD OCTOBER-DECEMBER 2021

ABSTRACT

Background : Hypertension is defined as increasing arterial blood pressure for systole >129 and/or diastole >89. Hypertension has a great potential for polypharmacy and drug interactions. The purpose of this study was to determine the potential for antihypertensive drug interactions in outpatients at Prima Medika Hospital Denpasar for period October-December 2021.

Method : This study is retrospective study by taking 90 medical records of outpatients with a diagnosis of hypertension for the period October-December 2021. The presence of potential drug interactions was analyzed using the IBM Micromedex® application, www.drugs.com, and journals based on the mechanism and drug interactions severity.

Result : Based on the type of polypharmacy, there were 89 minor polypharmacy prescriptions and 1 major polypharmacy prescription. 34 prescriptions (36%) were found to have the potential for drug interactions. Based on the severity, there were 4 prescriptions that potential for major interactions (2 prescriptions for Lisinopril/Spironolactone combination, 2 prescriptions for Candesartan/Lisinopril combination) and 30 moderate interaction potential prescriptions. Based on the mechanism of action, it was found that 34 prescriptions had the potential of pharmacodynamic drug interactions.

Conclusion : There were 34 cases of pharmacodynamic potential antihypertensive drug interactions in outpatients at RSU Prima Medika Denpasar for the period October-December 2021 with a major severity level of 4 cases (12%), and 30 moderate cases (88%).

Keyword : Hypertension, Drug Interactions, Outpatients

Literatures : 28 (2009-2021)