

Validasi Metode Analisis Penetapan Kadar Ivermectin dalam Ivermax 12 Mg - Laporan Tugas Khusus Praktek Kerja Profesi Apoteker di Pt. Harsen Laboratories Periode April - Mei 2021 = Analytical method validation for ivermecti assay determitation in ivemax 12mg report of the pharmacist profession work prakticat Pt. Harsen Laboratories period April - May 2021

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Abstrak

Wabah Coronavirus yang disebabkan oleh Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-Cov-2) atau yang dikenal sebagai Coronavirus-19 memiliki tingkat mortalitas yang tinggi pada 2021. Sehingga ada urgensi yang tinggi terhadap penemuan obat baru. Ivermectin terbukti secara in-vitro mampu menghambat replikasi SARS-Cov-2. Penggunaan Ivermectin secara off-label terbukti meningkatkan keberhasilan terapi pasien Coronavirus-19. Penelitian lain menyebutkan bahwa ivermectin mampu menghambat enzim a/ importin dan menghambat replikasi beberapa jenis virus lainnya, termasuk dengue virus, Zika virus, yellow fever virus. Ivermectin yang dijual dengan merk dagang Ivermax 12mg dibuat oleh PT. Harsen Laboratories Indonesia, merupakan produk baru di Indonesia. Validasi Metode Analisis terhadap penetapan kadar dilakukan untuk pemenuhan persyaratan akurasi, presisi, rpitabilitas/ keterulangan, batas deteksi, batas kuantitasi, linearitas dan rrentang pengujian. Laporan tugas khusus praktik kerja apoteker ini bertujuan untuk melakukan validasi metode analisis terhadap penentuan kadar Ivermectin pada Ivermax ® 12mg.

..... The Coronavirus outbreak caused by Severe Acute Respiratory Syndrome Coronavirus-2 (SARS-Cov-2) or known as Coronavirus-19 has a high mortality rate in 2021. There is a high urgency for the discovery of new drugs. Ivermectin has been proven in-vitro to be able to inhibit SARS-Cov-2 replication. Off-label use of Ivermectin has been proven to increase the success of therapy for Coronavirus-19 patients. Other research said that ivermectin is able to inhibit the a/ importin enzyme and inhibit the replication of several other types of viruses, including dengue virus, Zika virus, yellow fever virus. Ivermectin which is sold under the trademark Ivermax 12mg is made by PT. Harsen Laboratories Indonesia, is a new product in Indonesia. Validation of the analytical method for assay determination is carried out to fulfill the requirements for accuracy, precision, repeatability, detection limit, quantitation limit, linearity and test range. This report of work practice aims to validate the analytical method for determining Ivermectin levels in Ivermax ® 12mg.