

Stabilitas kaplet asam mefenamat dengan suhu dan kelembaban ruang penyimpanan yang berbeda / Teti Indrawati, Nonie Kartika Sari

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Abstrak

Asam mefenamat merupakan obat yang rentan terhadap cahaya, dan kelembaban. Penelitian ini bertujuan untuk mendapatkan data stabilitas kaplet asam mefenamat yang disimpan di Pusat Kesehatan Masyarakat (Puskesmas) Jakarta Barat sebagai bahan pertimbangan dalam penyimpanan obat yang baik di Puskesmas. Penelitian dilakukan dengan cara menentukan 7 Puskesmas berdasarkan sampling acak sederhana dari 74 Puskesmas di Jakarta Barat, kondisi tempat penyimpanan obat diamati selama enam bulan dengan metode observasi. Setelah itu, mutu kaplet asam mefenamat dievaluasi dengan metode eksperimental sesuai Farmakope Indonesia Edisi IV. Hasil penelitian menunjukkan bahwa kondisi penyimpanan di lima Puskesmas memenuhi syarat, suhu ruangan Puskesmas berkisar 23-29 °C dengan kelembaban 58-67% dan kaplet asam mefenamat yang disimpan di Puskesmas tersebut juga memenuhi syarat selama penyimpanan 6 bulan. Ada dua Puskesmas yang kondisi ruang gudangnya tidak ber AC, tidak berventilasi, diterangi cahaya bohlam dengan suhu antara 30-35 °C dan kelembaban antara 68-70% menyebabkan perubahan warna dan turunya kadar tablet asam mefenamat.

Mefenamic acid is an unstable drug to light and humidity can cause decomposition. This research aim to get stability data of mefenamic acid stored in West Jakarta health centers as consideration to good drug storage. The research was done by determining 7 health centers using simple random sampling from 74 health centers in West Jakarta, then the drugs depository condition were observed by observation method during 6 months, and the evaluation of mefenamic acid caplet quality were observed by experiment method according to the 4th edition of The Indonesia Pharmacopoeia. The result of this research indicate that five of the depository condition were up to standard, the room temperature of these health centers range 23-29 °C with humidity of 58-67% and mefenamic caplet in those health centers also up to standard during depository 6 months. There were two health centers were the depository room with lam light, no air conditioning and no ventilation, room temperature of 30-35 °C and humidity of 68-70%, in which the color and content of mefenamic acid deteriorated.