

Pengaruh kadar air pada granulat tablet terhadap mutu tablet metampiron

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Abstrak

Telah dilakukan penelitian tentang pengaruh kadar air dalam granulat tablet terhadap beberapa sifat karakteristik tablet Metampiron. Evaluasi dilakukan selama 12 minggu terhadap pengaruh penyimpanan/wadah pada lima macam produk tablet Metampiron.

Dari lima produk tablet Metampiron dengan berbagai kadar air pada granulat tablet, setelah diteliti menunjukkan tidak adanya korelasi antara kadar air dalam granulat dengan kekerasan tablet, keretakan tablet, dan waktu hancur tablet. Tablet Metampiron yang diperoleh dari produk I, II, III, dan V mempunyai mutu dan stabilitas yang lebih baik dibandingkan dengan produk IV.

Kadar air bukan merupakan faktor kritis untuk formula tablet Metampiron yang kami buat.

Cara-cara penyimpanan dan waktu penyimpanan berpengaruh terhadap stabilitas fisik tablet Metampiron (kecepatan, waktu hancur, keretakan, kadar air).

Selama penyimpanan tablet Metampiron mudah berubah warna dari putih ke kuning pucat, terutama pada wadah terbuka.

.....The influence of water content to several characteristic properties in tablet granulation of Metampiron tablet has been investigated. The evaluation was done for 12 weeks to figure out the influences of storing 5 products of Metampiron tablet which had been made.

Five products of Metampiron tablets made from tablet granulation which contain various water, showed no correlation between water content in granulation with hardness, friability, and disintegration of tablet.

It means the water content is not the important factor in formulation of Metampiron tablet.

Metampiron tablets obtained from product I, II, III, and V have better quality and stability than product IV

Storage way and storage time influence against physical stability of Metampiron tablet (hardness, disintegration,

friability, water content).

The colour of Metampiron tablet is easy to change from white to yellowish during storage specially in exposed container.