SKRIPSI

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VALIDASI METODE KLT-DENSITOMETRI UNTUK ANALISIS RESIDU FURAZOLIDON DALAM UDANG

FAKULTAS FARMASI
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Lembar Pengesahan

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Dibuat untuk Memenuhi Syarat Mencapai Gelar Sarjana Farmasi pada Fakultas Farmasi Universitas Airlangga

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ABSTRACT

Validation of TLC-Densitometric Method to Determine Furazolidone Residue in Shrimps

A simple TLC-Densitometric method has been validated for the determination of furazolidone residue in shrimps. The parameters of validation include linearity, homogenity, detection limit (LOD), quantitation limit (LOQ), accuracy and precision. The method involves silica gel GF 254 as the stationary phase and chloroform-acetonitrile (3:1 v/v) as the mobile phase. The separated furazolidone spot was detected at λ 360 nm. The respond was found to be linear at the amount of furazolidone between 10.28 and 30.84 ng (r=0.9991, Y=27.51X+0.23, Vxo=1.90%). The result showed that the PW value is 4.6522, detection limit and quantitation limit value are 1.34 and 4.48 ng, respectively; where as the accuracy and precision are 69.68% and 20.58%, respectively.

Keywords : TLC-Densitometric, validation, furazolidone, shrimps