IDENTIFICATION OF DEXAMETHASONE IN JAMU PEGAL LINU *PREPARATIONS SOLD IN TRADITIONAL MARKETS OF PASURUAN CITY USING THIN LAYER CHROMATOGRAPHY (TLC)*

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ABSTRACT

***Background**: The government, through the Food and Drug Authority Regulation No. 25 of 2023, has prohibited chemical drug substances, usually called BKO* (Bahan Kimia Obat)*, in medicinal herbs. This regulation aims to protect the public when consuming herbal medicines. The use of BKO in herbal products can lead to serious side effects and against BPOM regulations. Therefore, it is important to identify BKO in herbal medicine preparations. **Objective**: This study aimed to determine the presence of BKO dexamethasone in* jamu pegal linu *in Pasuruan traditional markets. **Methods**: This study uses a mobile phase of chloroform, methanol (9:1), and a stationary phase of silica gel 60 GF254. **Results**: The results showed that none of the samples contained BKO. The absence of matching Rf values and spot characteristics indicated the negative results compared to the dexamethasone standard. **Conclusion**: Based on the results, it can be concluded that the* jamu pegal linu *samples sold in traditional markets in Pasuruan City are safe, as they do not contain the synthetic compound dexamethasone.*

Keywords:Dexamethasone, Jamu Pegal Linu, *Thin Layer Chromatography*