

ABSTRACT (*LITERATURE REVIEW*)

IDENTIFICATION OF ALLOPURINOL AND DEXAMETHASONE COMPOUNDS IN HERBAL URIC ACID POWDER PREPARATIONS BY THIN LAYER CHROMATOGRAPHY

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One of the traditional medicinal preparations that are often used is herbal medicine. One type of herbal medicine that is often consumed by the public is uric acid. Medicinal chemicals that are often added in herbal medicine are Allopurinol and Dexamethasone. To find out the presence of BKO in herbal medicine, it is necessary to test using the Thin Layer Chromatography method. The design of this study was a literature review with the method carried out using an online database, namely Google Scholar. Based on the results of the review article above, it can be concluded that the best eluent chosen is Chloroform: Ethyl Acetate (1:4) because Dexamethasone and Allopurinol can be detected with spots, and give a good Rf value. In the TLC results, there were 2 samples, namely samples E and F which contained allopurinol, because they had the same Rf value as the standard Rf of allopurinol, which was 0.2. While testing for dexamethasone did not find samples containing dexamethasone because it did not produce the same Rf value as the standard Rf of dexamethasone which had a value of 0.78.

Keywords : Herbs, Uric Acid. Dexamethasone, Allopurinol. TLC