

ABSTRACT**DEVELOPMENT OF HPTLC METHOD FOR SIMULTANEOUS IDENTIFICATION AND DETERMINATION OF APIGENIN AND LUTEOLIN IN HERBAL PLANT EXTRACTS****Literature Review**

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Validation of high performance thin layer chromatography for identification and determination of apigenin and luteolin compounds is a part of quality control in herbal plant extracts. Quality control is the most important part of producing quality herbal products. The selective separation of apigenin and luteolin in the normal phase with toluene: ethyl acetate: formic acid (6: 4: 0.3 v / v / v) can separate apigenin and luteolin compounds well. The validation results in the HPTLC literature review provide specific separation results. Linearity shows a good correlation coefficient (r) so that it shows a linearity higher than 0.99. The recovery percentage results meet the requirements of 98-102% for each compound. The HPTLC method shows good results and meets the requirements of method validation.

Keywords: apigenin, luteolin, high performance thin layer chromatography, method validation