ABSTRACT

High-Performance Liquid Chromatography Method for Simultaneous Analysis of Apigenin and Luteolin Compounds in Medicinal Plant Extracts

Andri Dwi Astra

Medicinal plants are plants in which one or all parts of the plant contain active substances that are nutritious for health which can be used as a cure for diseases. The use of medicinal plants is empirically developed and based on the facts obtained. So that in the development of traditional medicine, the development of methods of analysis of compounds in medicinal plants is carried out. This research aims to obtain information from the results of a literature review regarding the HPLC method for the simultaneous analysis of apigenin and luteolin compounds so that it can be applied to control the quality of herbal products. The research was conducted with a literature review regarding the simultaneous analysis method for apigenin and luteolin compounds in medicinal plant extracts. Information on the conditions of the HPLC method obtained is used as a reference for research in the development of the HPLC method for simultaneous identification and quantization of apigenin and luteolin compounds in samples of other medicinal plants or in quality control of herbal products.

Keywords: Validation method, High Performance Liquid Chromatography, Simultaneous, Apigenin, Luteolin