

## 오미자(*Schisandra chinensis*)의 리그난 함량과 생육특성 간의 상관관계 연구

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### Study on the Correlation between the Growth Characteristics and Lignans Contents of *Schisandra chinensis*

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*Schisandra chinensis* is a fruit which is called Omija in South Korea. The Korean word Omija means “five flavors” (sweet, spicy, sour, bitter, and salty). The aim of his study was to investigate the correlation between growth characteristics and lignans (gomisin A, gomisin N, schisandrin) contents of *Schisandra chinensis*. The method for determining lignans was validated by measuring the linearity, limit of detection (LOD), limit of quantification (LOQ), precision and accuracy using UPLC-UV. Growth characteristics of *S. chinensis* such as number of fruits per fruit bunch, length of fruit bunch, width of fruit bunch, fresh weight of fruit bunch, length of fruit, width of fruit, fresh weight of fruit, fresh weight of 30 fruits, and sugar contents of fruit were measured. From the results of correlation analysis, it was found that the contents of lignans showed a significantly negative correlation with fresh weight and sugar contents of fruit. These results will be used to study for quality control of *S. chinensis* fruit.

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