ABSTRACT

FINGERPRINTING ANALYSIS OF *CURCUMA DOMESTICA* VAL., *KAEMPFERIA GALANGA* L., AND *ZINGIBER OFFICINALE* BY USING HPLC METHOD FOR QUALITY CONTROL OF JAMU PRODUCT

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Analysis of fingerprint has been significantly used in the analysis of herbal medicines. This method has in general very good separation ability. This study performed the analysis of *Kaempferia galanga* L., *Zingiber officinale* Roxb and *Curcuma domestica* Val. using analysis of fingerprint by *High Performance Liquid Chromatographic* (HPLC) instrument. HPLC is used to identify the peaks' characteristic of the various samples and determine the optimum wavelength for detection fingerprinting of each composition of herbal medicines. This also can compare the chemical components in different species with characteristic of peaks and specific detection wavelength. The fingerprinting of those plants will be analyzed each peaks which is stability, precision, and purity index and to be applicated for analyzing quality control of traditional medicines which had that plants in their formulating such of jamu gendong beras kencur.

Keywords: fingerprinting, characteristic of peaks, stability, precision, purity index.