

ABSTRACT

Standardization Of The Crude Drug Of Kencur Rhizome (*Kaempferia galanga* L.) From Boyolali

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In this study, a study was conducted on the standardization of the crude drug of kencur rhizome (*Kaempferia galanga* L.) obtained from Boyolali. Standardization is carried out based on specific and non-specific parameters. The results of the standardization of specific and non-specific parameters of the crude drug of kencur rhizome of the Boyolali area were compared with the requirements stated in the monograph so that the quality, safety and therapeutic efficacy of standardized herbal medicines were guaranteed as a stamina enhancer. Based on the macroscopic test of kencur rhizome crude drug powder, it was known that the powder had a light brown color, a characteristic aromatic smell and a spicy, warm and slightly bitter taste. Based on the microscopic test, the powder contained starch fragments, transporter bundles with thickening spiral, parenchyma, periderm and parenchyma with oil cells. The specific parameter values of kencur rhizome crude drug pollen include water-soluble juice (14.58 ± 0.36)%, ethanol-soluble extract content (5.05 ± 0.14)%, essential oil content (2.92 ± 0.08)% and levels of EPMS (12.96 ± 0.48)% were observed at a maximum wavelength (λ) of 308 nm. The specific parameters of the crude drug of the kencur rhizome of the Boyolali area have met the requirements stated in the monograph. The non-specific parameter values of the crude drug powder of kencur rhizome include ash content (7.52 ± 0.24)%, ash content that is insoluble in acid (2.32 ± 0.11)% and drying loss (8.34 ± 0.34)%. The non-specific parameters of the crude drug of the kencur rhizome of the Boyolali area have met the requirements stated in the monograph.

Keywords: *Kaempferia galanga* L., Rhizome, Crude Drug, Specific and Nonspecific Parameters