<u>Characteristics and Antioxidant Activity of Dried Purwoceng (Pimpinella Alpina Molk)</u> <u>as Functional Food to Increase Body Immune</u>

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Abstract	Purwoceng (Pimpinella Alpina Molk.) is a native plant of Indonesia. This plant contains potential antioxidants in the form of alkaloids, glycosides, coumarins, triterpenoids-steroids, and saponins. These bioactive compounds are useful as aphrodisiacs, diuretics, and tonics (capable of increasing the body's immune system). Purwoceng-based functional drinks will go through a drying process. This process will result in a decrease in antioxidants in purwoceng. To reduce the loss of antioxidants contained in purwoceng, proper drying is the main key in producing purwoceng-based functional beverage products. The aims of this study were: (1) to determine the characteristics and antioxidant activity of purwoceng during drying to produce functional drinks to increase the body's immune system. and (2) obtaining a drying formula for dried purwoceng products to produce functional drinks to increase the body's immune system. This research method is experimental. This research was divided into four stages, namely: (1) determination of the formulation temperature for drying purwoceng, (2) physico-chemical testing after drying, (3) reducing the dimensions of dried purwoceng, and (4) physico-chemical testing after changing the dimensions of dried purwoceng. The experimental design used in this study was a factorial Completely Randomized Design (CRD) with 2 factors. The first factor is the drying temperature of purwoceng, while the second factor is whole and counting. Both factors consist of 3 levels with 3 replications so that there are a total of 27 experimental combination units. Observational data were analyzed by analysis of variance (F test) and if they were significantly different, it was continued with the DMRT test at an accuracy level of 5%. The results showed that the best moisture content was the water content of dry purwoceng drying with the lowest value at a temperature of 70? (T4) with a value of 6.85, while chopped pieces (P0) 27.95 and chopped pieces (P1) with a value of 6.85, while chopped pieces (P0) getting a
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