ABSTRACT

ANY TRI HENDARINI. Perception of Community for Health Benefits and Development Product of Functional Drink from Ekstrak of Hantap Leaves (Sterculia oblongata R.Brown). AHMAD SULAEMAN and BUDI SETIAWAN.

Indonesia is known by its diversity, especially ini herb-medicinal plants. The aims of this study was explore the health benefit and development of product of hantap leaves as functional drink by a community perception test. The study was conducted in April to December 2010. Study on product development was conducted at Laboratory of Food Processing, Laboratory of Organoleptic Test, and Laboratory of Food-Chemistry Analysis, Department of Community Nutrition-Faculty of Human Ecology, Bogor Agricultural University. Survey and perception test were conducted in sub district of Cicurug, Cidahu, and Parungkuda, district of Sukabumi. Respondent in this perception test study are 87 of men and women aged 20-60 years old and lived in resident of sub district of Cicurug, Cidahu, and Parungkuda, in district of Sukabumi..

This study comprised three steps. First, collecting perception of data about health benefit of hantap's leaves in a community. Second, produce hantap leaves extract drink (HLED) and determine the best HLED. Then, conduct health benefit perception test to respondents during 7 days and 13 days. In the benefit perception test, uses coasi experimental design, HLED was tested to respondents with giving frequency one glass each day and two glasses each day. All treatment components were tested by analysis of variance(ANOVA) by confidence interval 95%, if the result is significant so continue to Duncan Multiple Range Test (DMRT). Third, to produce hantap leaves formula drink (HLFD) by determination the best formula based on acceptability analysis (organoleptic test). Next, analyze the best formula’s physic-chemistry and functional properties.

Benefit of HLED consumption dominated by health related to digestive process. Respondent had positive emotional perception and health condition perception after consume HLED one glass each day and two glasses each day during 7 and 13 days respectively. There was significant difference (p<0.05) between 7th and 13th days towards respondents emotional perception and health condition perception who consumed HLED one glass each day but no significant difference on respondents who consumed two glasses each day. There was no significant difference between respondents who consumed one glass each day to two glasses each day towards respondents emotional perception after consume HLED during 7 and 13 days, respectively. There was not significan difference (p>0.05) between respondents who consume HLED one glass each day and two glasses each day towards health condition perception after consume 7 and 13 days.

Functional drink has water content 80,8%, ash content 0,043%, soluble fiber content 4,5%, and insoluble fiber content 15,67%. It’s total food fiber content 20,17%. Antioxidant activity of hantap leaves formulation drink (HLFD) was 44,03% and chlorophyll content of HLFD was 0,46259 mg/L.

Summaries of this study are health benefit optimally can take with consumed HLED one glass each day and comparation of acceptability HLED is more significan from acceptability of HLFD

Keyword: Hantap Leaves, Perception Test, Functional Drink, Antioxidant, and Chlorophyll