

ABSTRACT

Carbohydrate, Protein, Ascorbic Acid, and Carotene Value Germinasi Milk from Germination of Soybean (*Glycine max*)

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This research was aimed to study carbohydrate, protein, ascorbic acid and carotene value Germination Milk from Germination of Soybean (*Glycine max*). this research was an experimental study, with one variable of germination time. Five treatment different on germination time with five replications.

Soybean obtained from Wadungasri market - Sidoarjo. The substances processed, made soybean germination according 5 time treatment then made them to milk.

Assessment of carbohydrate, protein, ascorbic acid and carotene value were using Sudarmadji method, sensory evaluation quality were using Hedonic Scale method in questionnaire, the best treatment assessment were using the weight calculation from all variable of nutrient value and the sensory evaluation quality. The nutrient value of this product assessed in Laboratory of Health Surabaya.

Result of this study showed that the treatment 48h (P5) represented the best treatment (total value 297,8) with the nutrient value : carbohydrate value was 3,681%, protein value was 3,984%, ascorbic acid was 6,884 mg and carotene value was 135,544 mkg.

Keyword : *Germination, soybean, Soymilk*