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Development and Storage Studies on Whey-Based Banana Herbal (*Mentha arvensis*)  
Ritika B. Yadav, Baljeet.S. Yadav and Navneet Kalia

Abstract: This study was carried out on the development and storage of Whey-Banana Herbal (WBBH) beverage with the incorporation of *Mentha arvensis* extra (4%). The amount of banana juice and sugar were fixed at 10 mL and 8 g, respectively. The amount of banana juice and sugar were fixed at 10 mL and 8 g, respectively. 100 mL of the beverage. Whey quantity varied from 72 to 84 mL for each 10 mL beverage depending upon the concentration of *Mentha* extract. The storability of the beverage was studied at 7±1°C for 20 days. The organoleptic scores and overall acceptability of the beverage improved with increase in *Mentha* extract from 0 to 4%. Addition of 3 and 4% *Mentha* extract decreased the beverage quality as beverage showed lower organoleptic scores. Acidity and reducing sugar content increased while pH decreased during storage. The overall acceptability of the beverage was desirable up to 15 days storage at refrigeration temperature. Beverage prepared from banana juice and whey combination with edible extract of herbal medicinal plants like *Mentha arvensis* was not only excellent nutritional properties but will also possess therapeutic, prophylactic antibacterial and organoleptic properties.

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