

## Sensory quality of fruit flavoured yoghurt by using litchi fruit (*Litchie chiensis* L.)

RITESH BALASO WATHARKAR AND N.G. DEVSHETE

Sensory quality of fruit flavoured yoghurt by using Litchi fruit was evaluated. Raw buffalo milk was standardized to 6 per cent fat. Fruit juice of fully ripened litchi fruit were used for preparation of yoghurt. Yoghurt was prepared from buffalo milk with incorporation of Litchi fruit at different level were 0 per cent Litchi fruit juice ( $T_0$ ), 2 per cent Litchi fruit juice ( $T_1$ ), 4 per cent Litchi fruit Juice ( $T_2$ ) and 6 per cent Litchi fruit Juice ( $T_3$ ). Good quality fruit flavoured yoghurt can be prepared by fortifying it with upto 4 per cent litchi juice ( $T_2$ ). It is seen that yoghurt prepared by fortification with 4 per cent litchi juice ( $T_2$ ) scored the highest points (8.15) followed by yoghurt prepared by fortification with 6 per cent litchi juice ( $T_3$ ) (7.73).

**Keywords:** Yoghurt, Litchi fruit juice, buffalo milk, Fat, Acidity, Total solid

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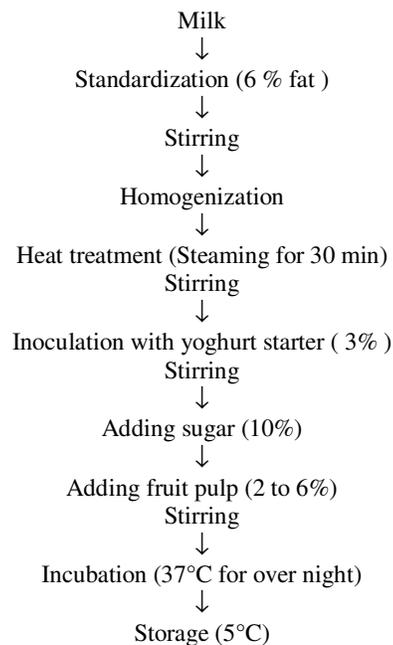
Yoghurt is produced by adding a 'starter' of active yoghurt containing a mixed culture of *Lactobacillus bulgaricus* L. and *Streptococcus thermophilus*. Yoghurt is valued for controlling the growth of harmful bacteria and in curing intestinal diseases like constipation, diarrhea, dysentery. Baked good will rise when yoghurt is used.

Recently, there has been an increasing trend to fortify the product with fruit juice/ pulp. Fruits are considered good source of minerals and vitamins and hence supplementation of yoghurt with fruit will not only improve its flavour but also its overall nutritional quality. Traditionally fruits like strawberry, raspberry, apricot and blackcurrant are used.

Litchi is one of the most delicious, refreshing and perishable subtropical food of India. Its juice is cooling, nutritive and good source of minerals.

Standard buffalo milk with 6 per cent fat required for the study was obtained from local market of sawarda. Plain yoghurt with low fat and high protein was purchased from the Parsi Dairy (Mumbai). Fully ripened litchi fruits were used for preparation. For preparation of fruit flavoured yoghurt, litchi

fruit used in different levels viz.,  $T_0$ : Control,  $T_1$ : 2 per cent litchi fruit juice,  $T_2$ : 4 per cent litchi fruit juice,  $T_3$ : 6 per cent litchi fruit juice.



Fruit/sweetened yoghurt was prepared as per the procedure described by Singh (1979).

MEMBERS OF RESEARCH FORUM

Author for correspondence :

RITESH BALASO WATHARKAR, Department of Food Science and Technology, K.K. Wagh College of Food Technology, NASHIK (M.S.) INDIA

Associate Authors' :

N.G. DEVSHETE, Department of Food Science and Technology, K.K. Wagh College of Food Technology, NASHIK (M.S.) INDIA