

B-67: Quality characters of "Raththa varai" (blood curry)

J Shanmuganathan, H W Cyril

(Dept of Animal Science, Faculty of Agric, Univ of Peradeniya)

Goat blood was used to prepare a "Raththa Varai", using whole blood (treatment I) coagulated blood (treatment II) and spices, mutton and liver added during the preparation of "Raththa Varai". In treatment III, deep frying of coagulated blood was used and spices, mutton and liver added during the collection of blood. Taste panel tests and chemical composition (protein, fat, moisture and ash) were done on the day of preparation. The samples were stored at 3 different temperatures -4°C , 5°C and 27°C to evaluate the effect of storage period.

Protein was higher in treatment I (29.24%) than treatments II and III. Fat content in treatments I, II, and III was 9.27%, 11.84% and 36.46% respectively. Moisture was higher in treatment II (59.93%) than treatment I and III (56.48 and 36.6% respectively). Ash in treatments I, II and III was 4.17, 3.6 and 3.01% respectively. Sensory evaluation showed that texture, taste and general acceptability were significant on different treatments of Raththa Varai. However, colour, appearance and juiciness did not have any significant effect on different treatments.

pH values of different treatments indicated irregular significant changes during the storage period at 27°C . pH values were significantly higher in treatment II than I than III in all the stages of storage period at 5°C . pH values of Raththa Varai significantly increased during storage period at -4°C in all treatments.

TBA values were significantly higher in treatment III than that of treatments I and II. TBA values of all treatments increased significantly ($P < 0.05$) during storage at 5°C . There were significant differences in TBA values in treatments II and III during storage at -4°C . Rancidity increased more rapidly in treatment III than treatments I and II. It followed the same pattern at temperatures 27°C and 5°C .

The sensory evaluation results revealed that "Raththa Varai" prepared with coagulated blood was acceptable.