ABSTRACT

Nutrition, Fatty Acid Composition, and Cholesterol Content of Different Ages Garut Lamb Fed Diet Containing Mungbeans Waste

Prabawati, S.A., T. Suryati, dan S. Rahayu

Garut lambs from two different ages, under five month old and up to eight month old used for meat production, were fed a concentrate diet containing mungbean waste. The effect of different ages on nutrition, fatty acid composition, and cholesterol content were studied. After fattened about 3 months in individual cage, a total of six male lambs (3 lambs under five month old and 3 lambs up to eight month old) were slaughtered. Lambs meat were taken from Longissimus thoracis et lumborum. Nutrition content of lamb meat was quantified by proximate analysis. Fatty acid composition and cholesterol content were analyzed by gas chromatography. Analysis of variance was used to compare differences of age effect on nutrition, fatty acid composition, and cholesterol content. The different ages in this study had no significant effect on nutrition content, fatty acid composition, and cholesterol content (P > 0.05). Lamb meat was more rich on saturated fatty acid (SFA) than unsaturated fatty acid (USFA).

Keywords: nutrition, fatty acid, cholesterol, lamb, mungbean waste