

学位論文要旨 Dissertation Abstract

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学位論文題目 : Study on the growth performance and intestinal histology of broiler chickens fed diets including by-product substance, probiotic, and exogenous emulsifier
Title of Dissertation (副産物、プロバイオティックおよび外因性乳化剤を含む飼料を給与したブロイラー鶏における成長能ならびに腸管組織に関する研究)

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Dissertation Abstract

The recent rapid increase of the world population caused the demand of food. Among livestock production, poultry product is high quality and cheap. Thus, poultry industries has been rapidly increased and expanded around the world. Use of effective feed additives is one method to improve the productive efficiency. However, As a result, alternative feed additive to substitute antibiotic have being attended. The intestinal epithelial cells play an important role in nutrient digestion and absorption, and are also an immunological organ. Therefore, the intestinal alteration is closely related with feed consumption and animal health. The data of intestinal morphological changes can be used to explain the effective of feed substance on growth performance of broiler chicken. This study was to evaluate feed substances as the followings: 1) probiotic as heat killed lactobacillus 2) by-product such as dried fermented ginger and spent mushroom substrate 3) lysolecithin on growth performance of broiler chicken using gross anatomical, and histological methods for visceral organ.