

# The Journal of Poultry Science

VOLUME 57 NUMBER 2 APRIL 2020



Japan Poultry Science Association

The Journal of Poultry Science  
Vol. 57 No. 2 April, 2020

Original Papers

**Breeding and Genetics**

- Is a Single Nucleotide Polymorphism Marker in the Cholecystokinin A Receptor Gene Practically Suitable for Improving the Growth Traits of Hinai-jidori Chickens? ..... Kazuhiro Rikimaru, Yuki Sato, Yukari Ito, Shiori Fukuda, Senetsu Sasaki and Hideaki Takahashi 99

- Verification of the Effectiveness of an SNP Marker in the Cholecystokinin Type A Receptor Gene for Improving Growth Traits in Okumino-kojidori Chickens ..... Sumiyo Ishikawa, Miho Asano, Kiyoshi Sakai and Hideaki Takahashi 107

**Nutrition and Feed**

- Effect of Dietary Inclusion of *Gynura divaricata* (L.) on Growth Performance, Hematology, and Carcass Fat Deposition in Broilers ..... Chairat Jamjang, Suwanna Kijpakorn and Kris Angkanaporn 114

- Optimal Dietary Levels of 1 $\alpha$ -Hydroxycholecalciferol in Broiler Chickens from 1 to 42 Days of Age ..... Xue Yang, Ning Zhang, Xiaona Wang, Hongxia Qu, Jinliang Zhang, Yongfeng Yan, Yeonghsiang Cheng and Jincheng Han 124

- Age-related Regulation of Active Amino Acid Transport in the Ileum of Broiler Chickens ..... Mikako Shibata, Tatsuyuki Takahashi, Kanari Endo, Takaharu Kozakai, Yoshiyuki Azuma and Yohei Kurose 131

- Feeding to Produce n-3 Fatty Acid-enriched Table Eggs ..... Gordana Kralik, Manuela Grčević, Danica Hanžek, Polonca Margeta, Olivera Galović and Zlata Kralik 138

**General Physiology**

- Lactobacillus reuteri* Enhances the Mucosal Barrier Function against Heat-killed *Salmonella Typhimurium* in the Intestine of Broiler Chicks ..... Takahiro Nii, Haruna Kakuya, Naoki Isobe and Yukinori Yoshimura 148

**Reproduction**

- Adjuvant Effects of Platycodin D on Immune Responses to Infectious Bronchitis Vaccine in Chickens ..... Yefei Zhou, Meixian Zhou and Shanguo Mao 160

**Environment and Hygiene**

- Use of Starch Granules Enriched with Carvacrol for the Lesser Mealworm, *Alphitobius diaperinus* Control in Chicken House: Effects on Insects and Poultry ..... Maryla Szczepanik, Aneta Raszkowska-Kaczor, Daria Olkiewicz, Dagmara Bajer and Krzysztof Bajer 168

**Processing and Products**

- Meat Quality and Cooking Characteristics in Broilers Influenced by Winter Transportation Distance and Crate Density ..... Faisal Hussnain, Athar Mahmud, Shahid Mehmood and Muhammad H. Jaspal 175



Tgl. terima : 22 - 09 - 2020
No. Induk :
Asal bahan Pustaka : Beli/Tukar/Hadiah
Dari :