REPUBLIC OF TÜRKİYE
MINISTRY OF AGRICULTURE AND FORESTRY
General Directorate Of Agricultural Research And Policies
Bahri Dağdaş International Agricultural Research Institute

TAGEM
R&D AND INNOVATION

PROJECT TITLE	Effects Of Condensed Tannin On Growth Performance, Mortality, Immunity Proteins And Cecal Parasites In Partridge Chicks
PROJECT NUMBER	6016
PROJECT LEADER	Vet. Hek. Hasan Tarık EŞKİ
RESEARCHERS	
INSTITUTE	Bahri Dağdaş IARE
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PROJECT DEPARTMENT	Department of Animal Health, Food and Feed Research

SUMMARY:

In recent years, partridge production for hobby and meat consumption has become widespread in Turkey. The studies on the feeding, housing, environmental adaptation and production of partridges under farm conditions is not sufficient yet. Partridge breeding is mostly based on care and feeding studies on other poultry. However, the suitability of these methods, which are mostly used in meat type poultry breeding, for partridge breeding has not been fully determined. For this reason, studies on the growth performance and health of partridges on the regulation of feeding and maintenance conditions are needed.

In the past years, intensive studies on genetics and nutrition have been carried out in the poultry industry to maximize egg and meat yield. Today, issues such as human and environmental health and food safety have started to become as important as yield performance. In the European Union and Turkey, it is prohibited to add antibiotics to feeds to promote growth. For this reason, research on the use of probiotics, prebiotics and phytobiotics from natural sources as an alternative to antibiotics has gained more importance. Among them, studies on plant-derived tannins have attracted attention recently.

Tannins are secondary metabolites that are part of the defense systems of plants against insects and pathogens. Although tannins are divided into types according to their chemical structures, their common feature is that they are all phenolic compounds that have the ability to bind to proteins. The growth and health parameters to be determined in this study and the antimicrobial, antiparasitic, antioxidant, anti-inflammatory and antiviral effects of tannins will be indirectly determined. In the results of the research, the effects of the use of phytobiotic substances such as tannin in partridge breeding will be determined in detail. The results of the research will contribute to the widespread use of partridge breeding, meat consumption, hobby poultry breeding, hunting sports and enrichment of the ecosystem.

KEY WORDS: Partridge, Alectoris chukar, Tannin