The Application of to Optimize Pellet Quality in Broiler Feeds

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Abstract : The aim of this experiment was to optimize the effect of moisture, the production rate, grain particle size and steam conditioning temperature on pellet quality in broiler feed using Taguchi method and a 43 fractional factorial arrangement was conducted. Production rate, steam conditioning temperatures, particle sizes and moisture content were performed. During the production process, sampling was done, and then pellet durability index (PDI) and hardness evaluated in broiler feed grower and finisher. There was a significant effect of processing parameters on PDI and hardness. Based on the results of this experiment Taguchi method can be used to find the best combination of factors for optimal pellet quality.

Keywords : broiler, feed physical quality, hardness, processing parameters, PDI
Conference Title : ICADS 2018 : International Conference on Animal and Dairy Sciences
Conference Location : Berlin, Germany
Conference Dates : May 21-22, 2018