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LIST OF ABBREVIATION

Abbreviation	Elaboration
ND	Newcastle disease
IB	Infectious bronchitis
AI	Avian influenza

Assessment of biosecurity status of selected broiler and layer farms in Noakhali.

ABSTRACT

A cross sectional observation study was conducted to assess the bio-security condition in terms of traffic control, sanitation and isolation in poultry farms in and around Kabirhat and Companigonj Upazilla of Noakhali district. The data was collected from a survey of 10 broiler and 10 layer farms both by owners interview and visual inspection using a structured questionnaire format. Traffic control investigation of the study revealed that 50% broiler and 70% layer farms had no access to other village chicken and wild birds. 50% broiler and 60% layer farms prevent predators and rodents to entry into farm. Likewise, none of them used separate clothing and shoes before entry into the farm and their houses were open for authorized visitors. Regarding sanitation practice, the study showed that 100% of the layer farms used a foot bath at the gate but in broiler farms no use of foot bath was noticed. All of the farmers practice disinfection of poultry house using disinfectant. While assessing the isolation practice of the farms, this study revealed that 100% of the study farms adept all in all out practice. However, 100% of farms didn't keep different age group chicken together and 100% of the farms used isolated pen for diseased poultry. It can be concluded that the although having lacking some important parameters the bio-security measures in poultry farms was found to be encouraging in the study areas. However, strengthening of the existing measures is very crucial through training and awareness creation.

Key words: Bio-security, Farms, Isolation, Poultry, Sanitation, Traffic-control