

**Practices and impact of biosecurity in poultry farms of
Noakhali Sadar, Noakhali.**



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List of Abbreviations

Abbreviation	Elaboration
%	Percentage
Freq	Frequency
GPD	Gross Domestic Product
N	Number
>	Greater Than
e.g.,	Example
etc	Et cetera
et. al	And his Associate
UVH	Upazila Veterinary Hospital
CVASU	Chattogram Veterinary and Animal Science University

Abstract

A survey was conducted between 17 February 2022 to 28 April 2022 to evaluate the biosecurity status and impact of biosecurity practices in the poultry farms of Noakhali Sadar Upazila. A structured questionnaire was developed to interview 33 poultry farm owners in the study area. Among the study farms, 14 were broiler chicken farms, and 8 were Sonali chicken farms. Nearly 48.48% of chicken farms were medium scaled (>1000) in size. Around 54.55% of poultry farms were situated within houses. Most (81.82%) farms were located less than 50 meters from the main street, while 93.94% were situated <500 meters from the closest farms. Most participants (87.88%) disclosed that farm workers did not receive any training on biosecurity. Out of 33, 29 poultry farms had a boundary of fences, and a total of 72.73% of the study area did not have a footbath at the entrance of the farm gate. Visitor entrance was restricted only in 42.42% of farms, and 75.76% of farms did not exchange equipment with other farms. Among the farms, only 14 (42.42%) farms disposed of dead birds properly. Biosecurity implementation was hampered in 21.21% of farms, and 18.18% of farmers did not maintain biosecurity properly due to financial problems. About 27.27% of farmers were ignorant about biosecurity. The current baseline inspection provides an accurate picture of the state of inadequate biosecurity practices in the small and medium-sized chicken farms in Noakhali Sadar Upazila. The findings of this report will play an essential role in designing and creating a proper biosecurity strategy for chicken farms in Bangladesh.

Keywords: Chicken, Biosecurity, Noakhali Sadar, Noakhali.