**A STUDY ON**

**PREVALENCE OF SALMONELLA IN HISEX BROWN STRAIN AT KAZI POULTRY FARM IN CHITTAGONG**



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**i**

**Abstract**

The present study was conducted to determine the seroprevalence of *Salmonella* infections in poultry. This study covered seroprevalence and pathological lesions in different organs produced by *Salmonella* in Kazi layer farm of Chittagong district during January-May 2013. The materials were blood samples and visceral organs (liver, lung, spleen and intestine) from live and dead birds respectively. The used methods were rapid serum agglutination test by commercially available *Salmonella* antigen kit and postmortem examination. The overall seroprevalence was 60% in live birds and the rate of seroprevalence was higher in my study at the age of 48 weeks in live birds. Pathologically friable, bronze color liver with focal necrosis, various grades of enteritis, and hemorrhagic and congested egg follicles with stalk formation were found.

**Keywords:** Salmonella, Seroprevalence, Rapid Serum Agglutination test.

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