

Breeding Performance and Egg Quality of Red Jungle Fowl (*Gallus Gallus L.*) Mated with Native Hens (*Gallus galus domesticus*) in Selected Areas of Leyte under Confinement System

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Abstract : This study was conducted to assess the breeding performance and egg quality traits of Red Jungle Fowls in selected areas of Leyte mated to Native hens under confinement system. A total of six Red Jungle Fowl roosters, two native roosters and 16 native hens were randomly assigned to four treatments with eight replications; each composed of one rooster and two hens randomly laid out in a Randomized Complete Block Design set up. Result on egg weight showed highly significant difference at $p < 0.01$ and revealed heaviest weight (39.0 g) and lightest weight (35.75 g) on Native x Native and Baybay RJF x Native, respectively. While comparable number of eggs per clutch, fertility and hatchability rates, yolk and albumen weights, shell weight, egg length and width, egg shape index and yolk color score were obtained.

Keywords : egg clutch, egg shape index, native chicken, hatchability rate

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