Physical Composition and Quality of Local Duck Egg Fed Beluntas *(Pluchea indica* L.) in The Diet

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Beluntas (Pluchea Indica L) had been used as a feed additive in duck diet to decrease the odour of duck's meat. The objective of this research was to study the influence of adding beluntas (Pluchea indica L.) in the diet on physical composition and quality of local duck's egg. Beluntas contains flavonoid, vitamin E, 6-carotene, essetial oil, saponin and tannin. Flavonoid, vitamin E and 6-carotene are antioxidants and can improve nutrients absorption. However, the tannin and saponin contained in the beluntas can interfere the the nutrients espesially protein and minerals. The research was conducted at Poultry Production Department, Faculty of Animal Husbandary, IPB, Bogor during 5 months (May-September, 2006). The treatments were divided into 3 different levels of beluntas powder (0%, 1% and 2%) and 3 replications (each consisted of 30 ducks). The results showed that there was no significant effect on egg weight, physical compotition of egg, albumen height, Haugh Unit and shell thickness due to the treatments. The conclucion of this reaserch is that using beluntas at the level of 2% (PO.05) in the duck diet can improve the yolk colour score (above 9) without reduce physical composition and quality of egg.

Key words: physical composition and quality, local duck egg, beluntas (*Pluchea indica* L.)