

MEASURING DRY MATTER DIGESTIBILITY, CRUDE PROTEIN AND CRUDE FIBER IN COMMERCIAL FEED DUMBO CATFISH (*Clarias gariephinus*)

Yeni Anggraini, Agustono, Ir., M. Kes and Dr. M. Anam Al-Arif, drh., M.P.

Fakultas Perikanan dan Kelautan Universitas Airlangga
Kampus C Mulyorejo – Surabaya, 60115 Telp. 031-5911451

ABSTRACT

Catfish farming developed intensively by relying on the feed to increase growth. This encourages the development of commercial feed industry. Nutritional requirements depend on the availability of the amount of feed that substances are absorbed by the body of the fish. The feed produced by the factory have the same feed nutrients, namely protein, fat, fibre, ash and moisture content but with a dose of the difference of each plant. How to measure the availability of substances for the body of fish feed is through determination of the digestibility (Handajani, 2008).

Research is aimed to tell the difference, digestion dry substances a protein rough and coarse fiber on various kinds of commercial products feed catfishes dumbo (*Clarias gariephinus*). The experimental design used was a Complete Randomized Design (CRD). Analysis of data processed by using analysis of variance (Anova) to know whether there is influence the digestibility between the treatment given. If there are significantly difference then proceed with Duncan's multiple range test.

Based on the research obtained the result that there are no a difference in dry matter digestibility ($p > 0,05$), there are very significant difference in crude protein and crude fiber digestibility. The highest crude protein digestibility (96,183%) and the lowest crude fiber digestibility (91,869%) produced by treatment A.

KEYWORDS : Dry Matter Digestibility, Crude Protein, Crude Fiber, Lele Dumbo, Catfish, Commercial Feed