

## ABSTRACT

***Rundhung Ilham Bagus Swastasi. 2017. Analysis Fiber Of Water Hyacinth Containers For The Requirement Of Animal Feed In Cirata Reservoir, District Purwakarta. Supervisor I by Dra. Hj. Lilis Suhaerah, M. Kes and Supervisor II by Dita Agustian, M. Pd***

*Water hyacinth is a very fast growing water plant. Often the occurrence of explosive growth of water hyacinth in water bodies, for example occurred in Cirata Reservoir Purwakarta District. Utilization of water hyacinth as animal feed is one of the countermeasures of the explosive growth of water hyacinth. Crude fiber in water hyacinth is very high to serve as animal feed. This study aims to determine the level of fiber in water hyacinth, especially crude fiber for animal feed needs. The method used is descriptive method with random sampling research design. The variables tested were water hyacinth and water hyacinth. The tested parameters were coarse fiber. The sample identification was done at PT. Sibaweh Laboratory using Gravimetri method. The results showed the content of crude fiber in wet hyacinth as much as 37,8521% and 68,0819% for dry water hyacinth. The use of water hyacinth is used as a mixture in feed with a content of no more than 1: 10 of the total feed. The content can be used as a source of the need for crude fiber in duck feed and can be used as a crude fiber supplement for ducks due to the very high content that does not need to be used in large scale. Further research is needed by conducting live experiments on ducks to really gain insight into the effects of crude fiber use on duck growth and development.*

**Keywords:** *Water Hyacinth, Crude Fiber, Gravimetry, Feed, Duck.*