



**KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI**  
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## **ELECTRONIC THESIS AND DISSERTATION UNSYIAH**

### **TITLE**

**PERFORMANS SAPI ACEH JANTAN YANG DIBERIKAN ECENG GONDOK (EICHHORNIA CRASSIPES) FERMENTASI DENGAN PROBIOTIK ASPERGILLUS NIGER SEBAGAI SUBSTITUSI RUMPUT GAJAH DAN RUMPUT LAPANGAN**

### **ABSTRACT**

Experiment on Performance of Aceh Bulls was given feed water hyacinth (*Eichhornia crassipes*) Fermentation with Probiotics *Aspergillus niger* as substitution of Elephant Grass and Grass Field has done in Field Laboratory Animal Husbandry Faculty of Agriculture, the University of Syiah Kuala in Banda Aceh Darussalam. The study lasted 112 days from the date of January 24, 2016 - May 8, 2016. The purpose of this study was to determine the performance of Aceh Bulls are given feed hyacinth fermented with *Aspergillus niger* as a substitute for grass and field turf. The material of this study was 4 Aceh Bulls and using design Latin square (RBSL), which consists of 4 treatments and 4 repetitions, each treatment is the carrying out of A (0% water hyacinth fermentation) treatment B (10% water hyacinth fermentation), treatment C (20% water hyacinth fermentation), and treatment D (30% water hyacinth fermentation). The research data were analyzed using ANOVA (Analysis of Variance). Parameters measured were: weight gain, feed intake, feed conversion. The results showed no differences were significant against ( $P > 0.05$ ), feed intake and feed conversion. But there is a significant difference (p