

## INTISARI

### **EFEK PEMBERIAN EKSTRAK RUMPUT LAUT (*sargassum sp.*) TERHADAP INTAKE PAKAN DAN BOBOT BADAN TIKUS PUTIH (*rattus novergicus*) WISTAR BUNTING**

**Pandhika Wira Ardhana**

**16/398229/KH/09000**

*Sargassum sp.* merupakan salah satu alga yang masuk golongan alga coklat (*Phaeophyceae*). Beberapa penelitian menunjukkan bahwa *Sargassum sp* mempunyai kandungan nutrisi/zat gizi cukup tinggi, seperti protein, antioksidan, dan beberapa mineral esensial. Kebuntingan dapat menjadi stressor fisiologis yang dapat menyebabkan menurunnya ketahanan tubuh. Penelitian ini bertujuan untuk mengetahui pengaruh ekstrak rumput laut terhadap intake pakan dan bobot badan terhadap tikus putih (*Rattus novergicus*) galur wistar bunting. Penelitian menggunakan 10 tikus bunting yang dibagi menjadi 2 kelompok yaitu kelompok kontrol dan kelompok perlakuan. Tikus kelompok perlakuan diberi asupan pakan basal ditambah dengan ekstrak sargassum sp. dosis 450 mg/kg BB sedangkan kelompok kontrol diberi pakan basal, seluruh perlakuan dilakukan selama 21 hari. Setiap hari tikus diberi 100 ml air minum dan 30 gram pakan pelet Intake pakan dicatat tiap hari, sedangkan bobot badan di timbang tiap 10 hari sekali. Hasil penelitian ini menunjukkan bahwa peningkatan intake pakan dan bobot badan terjadi pada tikus bunting kelompok kontrol maupun perlakuan. Hasil analisis statistik menunjukkan adanya peningkatan bobot badan tikus yang signifikan ( $p < 0,005$ ) tiap minggu pada kedua kelompok. Berdasarkan hasil penelitian dapat disimpulkan bahwa pemberian ekstrak rumput laut (*Sargassum sp.*) pada tikus putih (*Rattus novergicus*) galur Wistar bunting tidak berpengaruh secara signifikan terhadap intake pakan tetapi berpengaruh secara signifikan terhadap bobot badan.

Kata kunci : *Sargassum sp.*, kebuntingan, intake pakan, bobot badan.

## ABSTRACT

### **EFFECTS OF GIVING SEAWEED EXTRACT (*sargassum sp.*) ON FEED INTAKE AND BODY WEIGHT OF PREGNANT RAT (*rattus novergicus*) WISTAR PREGNANCY**

**Pandhika Wira Ardhana**

**16/398229/KH/09000**

*Sargassum sp.* is one of the algae that belongs to the class of brown algae (Phaeophyceae). Several studies have shown that *Sargassum sp.* has quite high nutritional / nutrient content, such as protein, anticodan, and several essential minerals. Pregnancy can be a physiological stressor that can lead to decreased body endurance. This research aims to determine the effect of seaweed extracts on feed intake on body weight of pregnant rats (*Rattus novergicus*) pregnant wistar strains. This research used 10 pregnant rats which were divided into 2 groups: the control group and the treatment group. Treatment group rats were fed with basal feed supplement with *Sargassum sp.* extract dose 450 mg/kg WB while the control group was given basal feed, all treatments were carried out for 21 days. Every day rats were given 100 ml of drinking water and 30 grams of pallet feed. Feed intake was recorded every day, while body weight was weighed every 10 days. The results of this research indicate that increased feed intake and body weight occurred in both control and treatment pregnant rats. Statistical analysis showed a significant increase in body weight of rats ( $p < 0.005$ ) every week in both groups. Based on the results of the research can be concluded that the administration of seaweed extract dose 450 mg/WB significantly affect toward body weight but non significantly affect of feed intake of pregnant rat.

Keywords: *Sargassum sp.*, Pregnancy, feed intake, body weight.