

Intisari

Penelitian ini bertujuan untuk mengetahui pengaruh substitusi tepung ikan dengan tepung silase ikan rucah dalam pakan terhadap laju sintasan dan pertumbuhan lele dumbo (*Clarias sp.*). Penelitian dilakukan secara eksperimen menggunakan Rancangan Acak Lengkap dengan enam perlakuan dan tiga ulangan. Perlakuan meliputi kontrol (Pakan ikan komersial); Proporsi tepung silase ikan dan tepung ikan 0:100 (100 % TI); 25:75 (25 % TSI : 75 % TI); 50:50 (50 % TSI : 50 % TSI); 75:25 (75 % TSI : 25 % TI); 100:0 (100 % TSI). Kandungan protein pakan uji antara 24,85 – 33,80 %. Penelitian dilakukan selama 45 hari dengan menggunakan bak fiber ukuran 40 x 30 x 15 cm³ dengan kepadatan 20 ekor/bak. Pemberian pakan sejumlah 5 % dari biomassa dengan frekuensi sebanyak dua kali sehari. Hasil penelitian menunjukkan bahwa laju sintasan tertinggi dihasilkan pada perlakuan penambahan tepung silase ikan rucah sebesar 50 %. Pertumbuhan tertinggi diantara perlakuan dihasilkan oleh perlakuan penambahan tepung silase ikan rucah sebesar 25%.

Kata kunci: ikan rucah, laju sintasan, lele dumbo, pertumbuhan, tepung silase.

Abstract

This study was aimed to determine the effect of substitution fish meal with trash fish silage meal in diets on survival and growth rate of the Catfish (*Clarias sp.*) The experiment used Completely Randomized Design with six treatments in triplicate. The composition were the control (commercial fish feed); The use of fish silage and fish meal by ratio, as follows: 0:100 (100% of FM); 25:75 (25% of FS and 75% of FM); 50:50 (50% of FS and 50% of FM); 75:25 (75% of FS and 25% of FM); and 100:0 (100% of FS). The protein content for daily diets was 24.85 to 33.80 %. This study was conducted for 45 days by using a 40 x 30 x 15 cm³ fiber tub with density of 20 fish/tub. The feed was given twice a day with 5% of the biomass. The result showed that the highest survival rate is produced by adding 50% of trash fish silage. The highest growth among the treatments is produced by the treatment of adding 25% of trash fish silage.

Keywords: trash fish, survival rate, catfish, growth, silage meal.