

**PENGARUH PENAMBAHAN BIOFLOK DENGAN DOSIS YANG BERBEDA TERHADAP PERTUMBUHAN BENIH UDANG WINDU (*PENAEUS MONODON* FABRICIUS 1798) YANG DIPELIHARA DALAM MEDIA BIOFLOK**

*[Effect Of Addition Bioflok With Different Doses On Growth Seed Tiger Shrimp (Penaeus Monodon Fabricius 1798) The Maintained In Media Bioflok]*

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**ABSTRAK**

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan bioflok terhadap pertumbuhan dan kelangsungan benih udang windu. Penelitian dilakukan selama 30 hari dari Juni hingga Juli 2016 di Laboratorium Program Studi Budidaya Perairan Universitas Almuslim Bireuen. Penelitian dilaksanakan secara eksperimental dengan menggunakan rancangan acak lengkap dengan empat perlakuan dan tiga ulangan. Perlakuan yang diberikan terdiri dari perlakuan A (kontrol) tanpa penambahan bioflok, perlakuan B (penambahan bioflok sebanyak 10 ml dan 5% pakan komersil), C (penambahan bioflok sebanyak 15 ml dan 5% pakan komersil) dan D (penambahan bioflok sebanyak 15 ml/tanpa penambahan pakan komersil. Uji statistik menggunakan ANOVA RAL satu faktor dengan selang kepercayaan 0,05. Parameter yang diamati meliputi laju pertumbuhan rata rata spesifik harian (SGR), Pertambahan Panjang Mutlak dan kelangsungan hidup (SR). Hasil penelitian menunjukkan bahwa Penambahan bioflok berpengaruh nyata terhadap laju pertumbuhan rata rata spesifik harian dan pertambahan panjang mutlak. Laju pertumbuhan rata rata spesifik harian tertinggi diperoleh pada perlakuan B sebesar  $0,55 \pm 0,02$  %/hari, laju pertumbuhan panjang mutlak tertinggi terdapat pada perlakuan B sebesar  $3,7 \pm 0,1$  cm. Penambahan bioflok tidak memberikan pengaruh yang nyata terhadap kelangsungan hidup dengan hasil tertinggi sebesar  $91,06 \pm 1,41$  % diperoleh dari perlakuan B.

**Kata kunci** : Bioflok, laju pertumbuhan rata rata spesifik harian, kelangsungan hidup,

**ABSTRACT**

*This research aims to know the influence of the addition of the bioflok towards the growth and survival of tiger prawn seed. Research carried out during the 30 days of June to July 2016 in the laboratory Course Almuslim University Aquaculture Bireuen they. The research was carried out experimentally using a complete randomized design with four treatments and three replicates. The treatment given consists of A treatment (control) without the addition of bioflok, the treatment B (addition of bioflok total of 10 ml and 5% commercial feed), C (addition of bioflok as much as 15 ml and 5% commercial feed) and D (the addition of as many as 15 ml bioflok/without the addition of commercial feed. Startistik using ANOVA test RAL one factor with the confidence interval 0.05. The observed parameters include the average specific growth rate (SGR), a daily increase of the absolute Length and survival (SR). The research results showed that the addition of the influential real bioflok against the specific growth rate average daily and increase the length of the absolute. The rate of growth of the average highest daily obtained at specific treatment B amounted to  $0.55 \pm 0.02\%$  of/hari, the highest rate of absolute length growth found in treatment B amounting to  $3.7 \pm 0.1$  cm. Addition of bioflok does not give a real influence towards survival with the highest yield of  $91,06 \pm 1.41\%$  obtained from the treatment B.*

**Keywords:** Bioflok, the rate of growth of the average specific daily, survival,