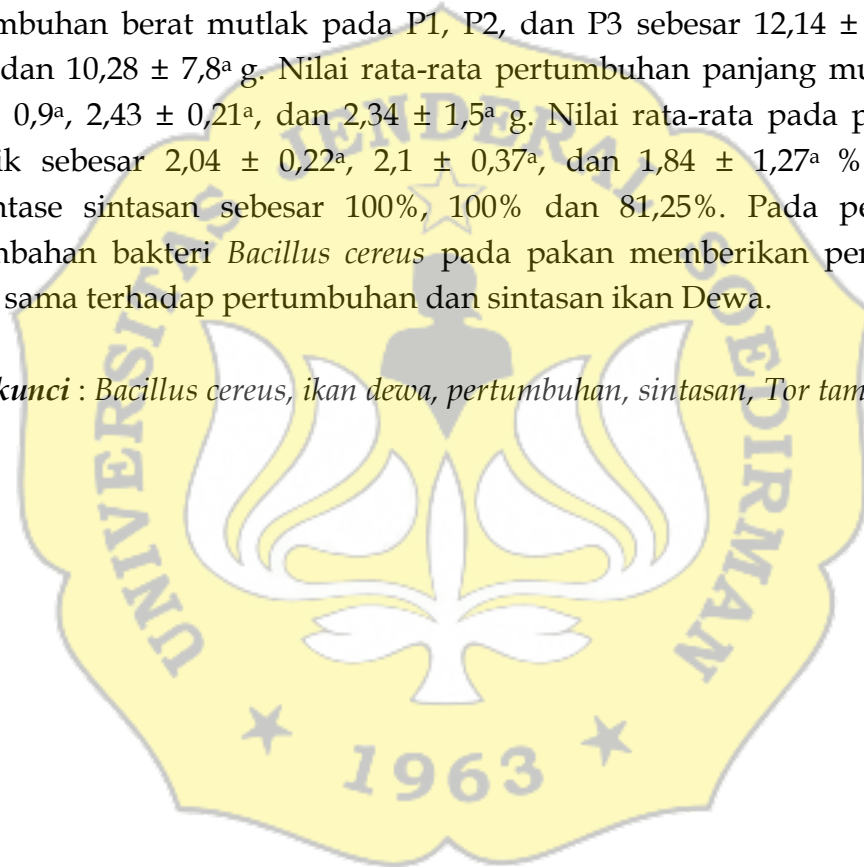


## ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh pertumbuhan dan sintasan ikan Dewa yang diberi pakan dengan tambahan *Bacillus cereus*. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 3 perlakuan 4 ulangan. Perlakuan 1 yaitu pemberian pakan pelet tanpa penambahan bakteri *Bacillus cereus* (kontrol), Perlakuan 2 ditambah bakteri *Bacillus cereus*  $10^5$  CFU/mL dan Perlakuan 3 ditambah bakteri *Bacillus cereus*  $10^6$  CFU/mL. Hasil yang didapat pada uji ANOVA untuk parameter pertumbuhan berat mutlak, pertumbuhan panjang mutlak, pertumbuhan spesifik, dan sintasan adalah tidak berbeda nyata ( $p > 0,05$ ). Nilai rata-rata pertumbuhan berat mutlak pada P1, P2, dan P3 sebesar  $12,14 \pm 2,2^a$ ,  $12,38 \pm 2,58^a$ , dan  $10,28 \pm 7,8^a$  g. Nilai rata-rata pertumbuhan panjang mutlak sebesar  $1,78 \pm 0,9^a$ ,  $2,43 \pm 0,21^a$ , dan  $2,34 \pm 1,5^a$  g. Nilai rata-rata pada pertumbuhan spesifik sebesar  $2,04 \pm 0,22^a$ ,  $2,1 \pm 0,37^a$ , dan  $1,84 \pm 1,27^a$  %. Sedangkan persentase sintasan sebesar 100%, 100% dan 81,25%. Pada penelitian ini, penambahan bakteri *Bacillus cereus* pada pakan memberikan pengaruh yang relatif sama terhadap pertumbuhan dan sintasan ikan Dewa.

**Kata kunci :** *Bacillus cereus*, ikan dewa, pertumbuhan, sintasan, Tor tambra



## ABSTRACT

*This study aims to determine the effect of growth and survival of Dewa fish fed with Bacillus cereus. This study used a completely randomized design (CRD) with 3 treatments and 4 replicates. Treatment 1 is feeding pellets without the addition of Bacillus cereus bacteria (control), Treatment 2 plus Bacillus cereus bacteria  $10^{-5}$  CFU/mL and Treatment 3 plus Bacillus cereus bacteria  $10^{-6}$  CFU/mL. The results obtained in the ANOVA test showed that the growth and survival of Dewa fish with the addition of Bacillus cereus bacteria was higher than that of the control. The results obtained in the ANOVA test for the parameters of absolute weight growth, absolute length growth, specific growth, and survival were not significantly different ( $p>0.05$ ). The average value of absolute weight growth in P1, P2, and P3 was  $12.14 \pm 2.2^a$ ,  $12.38 \pm 2.58^a$ , and  $10.28 \pm 7.8^a$  g, respectively. The average value of absolute length growth was  $1.78 \pm 0.9^a$ ,  $2.43 \pm 0.21^a$ , and  $2.34 \pm 1.5^a$  g, respectively. The average value of specific growth was  $2.04 \pm 0.22^a$ ,  $2.1 \pm 0.37^a$ , and  $1.84 \pm 1.27^a$  %. While the percentage of survival is 100%, 100% and 81.25%. In this study, the addition of Bacillus cereus bacteria to feed had a relatively similar effect on the growth and survival of Dewa fish.*

**Key words:** *Bacillus cereus, god fish, growth, survival rate, Tor tambra*

