

**PENGARUH PEMBERIAN PAKAN HIDUP TERHADAP  
PERTUMBUHAN DAN SINTASAN BENIH IKAN GUPPY**

*(Poecilia reticulata)*

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**ABSTRAK**

Ikan guppy yakni salah satu ikan hias yang memiliki penggemar yang lumayan tinggi dikarenakan warna indah yang dimilikinya seperti merah, kuning, biru dan lainnya. Gambaran ekornya beraneka seperti menyerupai kipas, melebar, ataupun membulat. Pada jantan, sirip ekor tampil sangat menawan karena berwarna kontras dan lebar dengan corak yang beragam. Penelitian ini dilakukan untuk mengetahui pengaruh pemberian pakan alami cacing sutera (*Tubifex* sp), jentik nyamuk (*Culex* sp) serta kombinasi keduanya terhadap pertumbuhan dan sintasan benih ikan guppy (*Poecilia reticulata*). Penelitian ini bersifat eksperimental dengan menggunakan rancangan acak lengkap (RAL). Perlakuan pada penelitian ini menggunakan 3 kali ulangan pada setiap perlakuannya, macam-macam perlakuannya K1 pemberian jentik nyamuk (*Culex* sp) sehari 3 kali, K2 pemberian cacing sutera (*Tubifex* sp) sehari 3 kali, K3 pemberian kombinasi jentik nyamuk (*Culex* sp) 2 kali dan cacing sutera (*Tubifex* sp) 1 kali sehari, K4 pemberian kombinasi jentik nyamuk (*Culex* sp) 1 kali dan cacing sutera (*Tubifex* sp) 2 kali sehari, K5 pemberian pakan kontrol. Hasil penelitian menunjukkan pemberian jentik nyamuk (*Culex* sp) 3 kali sehari berpengaruh nyata pada laju pertumbuhan benih ikan guppy (*Poecilia reticulata*). Sintasan benih ikan guppy (*Poecilia reticulata*) terhadap perlakuan yang dilakukan tidak berpengaruh nyata. Hasil terbaik untuk laju pertumbuhan (berat) adalah perlakuan K1 pemberian jentik nyamuk (*Culex* sp) sehari 3 kali. Sedangkan untuk tingkat sintasan tidak memiliki pengaruh nyata tetapi tingkat kelangsungan hidup tergolong baik dikarenakan tingkat kelangsungan hidup tidak kurang dari 30%.

Kata kunci : : Benih ikan guppy (*Poecilia reticulata*), jentik nyamuk, cacing sutera, laju pertumbuhan, sintasan.

# **THE EFFECT OF LIVE FEEDING ON THE GROWTH AND SURVEY OF GUPPY FISH SEED (*Poecilia reticulata*)**

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## **ABSTRACT**

Guppy fish is one type of ornamental fish that has quite a lot of fans because of the beautiful colors it has such as red, yellow, blue and others. The shape of the tail varies, such as rounded, fan like, or wide. In males, the caudal fin looks very attractive because it has contrasting colors and width with various patterns. This study was conducted to determine the effect of feeding natural silk worms (*Tubifex* sp), mosquito larvae (*Culex* sp) and their combination on the growth and survival of guppy fish (*Poecilia reticulata*) fry. This research is experimental using a completely randomized design (CRD). The treatment in this study used 3 replications for each treatment, the various treatments were K1 giving mosquito larvae (*Culex* sp) 3 times a day, K2 giving silk worms (*Tubifex* sp) 3 times a day, K3 giving a combination of mosquito larvae (*Culex* Sp) 2 times and silk worms (*Tubifex* Sp) 1 time a day, K4 given a combination of mosquito larvae (*Culex* sp) 1 time and silk worms (*Tubifex* sp) 2 times a day, K5 was given control feed. The results showed that giving mosquito larvae (*Culex* sp) 3 times a day had a significant effect on the growth rate of guppy fish (*Poecilia reticulata*) and for survival of guppy fish (*Poecilia reticulata*) seeds to the treatment carried out had no significant effect. The best result for the growth rate (weight) was the K1 treatment with mosquito larvae (*Culex* sp) 3 times a day. Meanwhile, the survival rate has no real effect, but the survival rate is classified as good because the survival rate is not less than 30%.

Keywords : Guppies (*Poecilia reticulata*) seeds, mosquito larvae, silk worms, growth rate, survival.