

**PENGARUH BERBAGAI KOMPOSISI BAHAN PAKAN
ALTERNATIF DARI LIMBAH DAN HAMA PERTANIAN
TERHADAP PERTUMBUHAN IKAN JAMBAL SIAM
(*Pangasius hypopthalmus*) DI JARING APUNG**

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Abstrak

Penelitian pengaruh pakan buatan dari limbah dan hama pertanian terhadap pertumbuhan ikan Jambal Siam (*Pangasius hypopthalmus*) telah dilakukan di 8 jaring apung selama 3 bulan. Ikan Jambal Siam diberi empat macam pakan dengan kandungan protein dan bahan baku yang berbeda (dedak halus, ampas tahu kering, tepung kepala udang, dan tepung keong emas). Perbedaan pertumbuhan masing-masing perlakuan dilihat dari pertambahan berat dan persamaan eksponensial hubungan panjang-berat. Pertumbuhan ikan Jambal Siam yang diberi pakan komersial berkadar protein 30% jauh lebih baik daripada pertumbuhan ikan yang diberi pakan buatan berkadar protein 30% dan 40% maupun pakan komersial berkadar protein 24%. Setelah 42 hari berat akhir rata-rata ikan Jambal Siam yang diberi pakan berkadar protein 30% dapat mencapai 139 gram (meningkat 463,44%). Pertumbuhan seluruh ikan Jambal Siam yang diberi pakan buatan maupun komersial bersifat allometrik dengan tubuh cenderung tidak pipih. Perbedaan pertumbuhan akibat pemberian pakan yang berbeda diduga dipengaruhi oleh komposisi bahan baku pakan.

Kata kunci: Jambal Siam; jaring apung; limbah pertanian; pakan; Pangasius hypopthalmus.

*Influence Various Alternative Food Materials Composition from Agriculture Waste and
Pest to Growth of Catfish (*Pangasius hypopthalmus*) in Floating Cage*

Abstract

*Research of Influence food made in to growth of catfish (*Pangasius hypopthalmus*) have been done by in 8 floating cages during 3 months. Catfish given by four kinds of food with protein content and different raw material. Difference of growth of is each treatment seen from heavy accretion and equation of TL-weight relation exponential. Growth of given by catfish is commercial food have protein rate to 30% far better than growth of given by fish is food made in have protein rate to 30% and 40% and also commercial food have protein rate to 24%. After 42 final heavy day of given by catfish mean is food have protein rate to 30% can reach 139 gram (mounting 463,44%). Growth all given by catfish is food made in and also commercial have the character of algometric with body tend to do not compress. Difference of growth effect of giving of anticipated different food to be influenced by food raw material composition.*