

Analisis hubungan ketersediaan pakan alami (fitoplankton) dengan penambahan berat badan ikan bandeng di kawasan pertambakan Blanakan, Subang, Jawa Barat = The analysis of relation of natural feed availability (phytoplankton) with weight gain of milkfish in blanakan aquaculture at Subang, Blanakan, West Java

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Abstrak

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Penelitian ini dilakukan pada bulan Agustus sampai Desember 2016 dan bertujuan untuk mengetahui hubungan antara kelimpahan plankton dan kualitas air dengan penambahan berat badan ikan bandeng. Pengambilan sampel dilakukan di pertambakan Blanakan, Subang, Jawa Barat. Hasil perhitungan indeks elektivitas menunjukkan bahwa jenis makanan yang disukai ikan bandeng berupa fitoplankton yaitu Melosira, Pleurosigma dan Oscillatoria, sedangkan untuk jenis fitoplankton yang tidak terlalu disukai ikan bandeng yaitu Navicula, Skeletonema dan Nitzchia. Berdasarkan analisis korelasi antara kualitas air dengan penambahan berat badan, diketahui bahwa dari kualitas air yang terukur hanya suhu yang memberi pengaruh yang signifikan penambahan berat badan ikan bandeng.

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**ABSTRACT**

This research was done from August to December 2016 and aimed to determine the relationship between the abundance of plankton and water quality with weight gain of milkfish. Sampling was carried out at Blanakan, Subang, West Java. Electivity index calculation results showed that type of plankton favored by fish were Melosira, Pleurosigma and Oscillatoria, while for the ones that is less preferred are Navicula, Skeletonema and Nitzchia. Based on correlation analysis between water quality with weight gain, it was known that only temperature that gave a significant influence on weight gain.