

**PRODUKSI KAYU APU (*Pistia stratiotes* L.)
DENGAN BERAT TEBAR BERBEDA DALAM KOLAM
BUDIDAYA LELE (*Clarias* sp.) SECARA INTENSIF**

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Intisari

Penelitian ini bertujuan untuk mengetahui produksi kayu apu (*Pistia stratiotes* L.) dengan berat tebar berbeda dan kualitas air pemeliharaan kayu apu (*Pistia stratiotes* L.) dalam kolam budidaya lele (*Clarias* sp.) secara intensif. Pengamatan produksi kayu apu (*Pistia stratiotes* L.) dengan berat tebar : 30, 60, 90, dan 120 gram per 150 cm² keranjang; kualitas air; serta pertumbuhan lele dilakukan setiap 2 minggu sekali. Data produksi kayu apu (*Pistia stratiotes* L.) dianalisis menggunakan analisis uji Regresi, sedangkan data kualitas air dan pertumbuhan ikan dianalisis secara deskriptif. Hasil penelitian menunjukkan bahwa berat tebar kayu apu (*Pistia stratiotes* L.) yang semakin tinggi (30, 60, 90, 120 gram per 150 cm² keranjang), memberikan produksi (pertambahan berat) mutlak dan spesifik kayu apu (*Pistia stratiotes* L.) segar dan kering yang semakin tinggi. Selama budidaya lele, kualitas air sesuai untuk pertumbuhan kayu apu (*Pistia stratiotes* L.). Kesuburan air budidaya lele (*Clarias* sp.) semakin lama semakin meningkat dan menghasilkan produktivitas kayu apu (*Pistia stratiotes* L.) yang semakin tinggi.

Kata kunci : intensif, kayu apu, kualitas air, lele, produksi

WATER CABBAGE (*Pistia stratiotes* L.) PRODUCTION
WITH DIFFERENT STOCKING WEIGHT
IN INTENSIVE CATFISH (*Clarias* sp.) CULTURE POND

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Abstract

This study aimed to determine the production of water cabbage (*Pistia stratiotes* L.) with different stocking weight and the water quality for water cabbage (*Pistia stratiotes* L.) cultivation in intensive catfish (*Clarias* sp.) culture pond. Observation of water cabbage (*Pistia stratiotes* L.) production with stocking weight of 30, 60, 90 and 120 grams per 150 cm² basket; water quality; and catfish growth were carried out every 2 weeks. The production of water cabbage (*Pistia stratiotes* L.) was analyzed using Regression test analysis, while the water quality and fish growth data were analyzed descriptively. The results showed that the stocking weight of the water cabbage (*Pistia stratiotes* L.) were higher (30, 60, 90, 120 grams per 150 cm² basket), produced absolute and specific weight of water cabbage (*Pistia stratiotes* L.) in fresh and dry plants were getting higher. During catfish culture, the quality of water were suitable for the growth of water cabbage (*Pistia stratiotes* L.). The water fertility of catfish (*Clarias* sp.) pond were increasing, and so on the productivity of water cabbage (*Pistia stratiotes* L.) were also getting higher.

Keywords: catfish, intensive, production, water cabbage, water quality