

BAB V

KESIMPULAN DAN SARAN

A. KESIMPULAN

Dari hasil penelitian tentang pengaruh toksisitas pentaklorofenol terhadap parameter tabel kehidupan *Daphnia magna*, dapat disimpulkan bahwa parameter tabel kehidupan *Daphnia magna* yang sensitif terhadap pentaklorofenol adalah parameter kesintasan harian (I_x), lamanya waktu hidup dan laju reproduktif bersih (R_0).

Kisaran konsentrasi 0,16 ppb; 1,6 ppb; 16 ppb masih memiliki efek merugikan terhadap kemampuan bertahan hidup *Daphnia magna*, namun masih berada pada kisaran aman jika dilihat dari parameter reproduktifitas. Sehingga batas konsentrasi PCP 10 ppb (standar air bersih) dan 3 ppb (standar air minum) berdasarkan peraturan menteri kesehatan no. 416/PERMENKES/X/1990 masih cukup berbahaya untuk dibuang kelingkungan perairan.

B. SARAN

Dilakukan pengujian toksisitas kronis pentaklorofenol lebih lanjut untuk mengetahui nilai NOEC dan LOEC pentaklorofenol terhadap *Daphnia magna* secara tepat berdasarkan hasil kisaran konsentrasi larutan uji pentaklorofenol pada parameter tabel kehidupan *Daphnia magna* yang sensitif terhadap pentaklorofenol.

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