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**CITRIC ACID REDUCES THE CONTENT OF Pb AND Cd OF KUPANG BERAS (Corbula Faba)**

Abstract

Kupang is nutritious fishery product, but on the other hand it also been contaminated by Pb and Cd which has been endangering human being. Therefore, it is necessary to decrease the content of Pb and Cd in Kupang so that it is safe to be consumed. The objective of this research is to study the use of citric acid to decrease the content of Pb and Cd in kupang beras (Corbula faba) as much as possible. The research is True Experimental and used Completely Randomized Design with 3 treatments, namely, the addition of 5.3 %, 16 % and 26.6 % citric acid, and compared with control. The data obtained from the research finding show that without treatment (control) the average content of Pb is 1.281 ppm, Cd is 1.254 ppm. Pb content in Kupang beras is 1.281 mg/kg, it means that Kupang beras allowed to be consumed by human being that is 156-234 gram/day. Cd content in kupang beras is 1.254 mg/kg, it means that kupang beras allowed to be consumed by human being is 19.9 – 47.8 gram/day. The research findings show that by adding citric acid there is decrease of Pb by 96.1-97 %, a decrease of Cd by 97.5-98.9 %. The best addition of citric acid used to decrease the content of Pb and Cd heavy metals 26.6, % concentration.

Keyword : Corbula, faba, Pb, Cd, citric, acid,

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