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**Analysis of heavy metal zinc (Zn) and plumbum (Pb) to *Meretrix meretrix* in the gulf Kendari, southeast Sulawesi, Indonesia**

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Human activities in coastal areas often utilize waste contaminants that can harm marine life. Kendari municipal water as coastal areas is an area filled with various activities such as settlements, agriculture, shipping, fishing and harbor. The biggest impact of these activities is heavy metal pollution. Heavy metals will settle in and contaminate marine waters. One marine life livelihoods of coastal communities and the food is shellfish out. The purpose of this study was to determine the presence of heavy metals Zn and Pb and Zn metal pollution levels and Pb contained in shellfish flesh out (*Meretrix meretrix*) in the Gulf region Kendari, Southeast Sulawesi. Measurement of metal content of shells out performed using Atomic Absorption Spectrophotometer. Analysis of the mussels out shows heavy metal content of 2,584 mg Zn /kg and metallic lead (Pb) of 79.71 mg/kg. These results indicate that the levels of heavy metals did not exceed the threshold SNI 01-3548-1994 that is equal to 2 to 100.0 mg/kg of metal Zn and 0.1 to 10 mg/kg for Pb.

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