

**Struktur komunitas gastropoda dan studi populasi cerithidea obtusa (lamark 1822) di hutan mangrove Pangkal Baru, Kabupaten Tanjung Jabung Baat, Jambi = The structure of Gastropods community and population study of Cerithidea obtusa (Lamarck 1822) in Mangrove forest Pangkal Babu, The District of Tanjung Jabung Barat, Jambi**

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**Abstrak**

The research of the Gastropoda community structure in Pangkal Babu Mangrove forest was conducted on January until February 2012. The researcher used Purposive Random Sampling Method. There are 1950 Gastropods in mangrove forest of Pangkal Babu which consist of 15 species, 11 genera, and six families. From the 15 species, there are two types of the species which have a high frequency of subsistence. They are *Cerithidea obtusa* and *Cassidula aurisjudae*, that is 93.33% for each. The range of Gastropoda relative density is between 28 ind/m<sup>2</sup>-58.1 ind/m<sup>2</sup>, species diversity ranges from 1.5 to 1.9, evenness of species is between 0.553 to 0.684 and the distribution of species ranges from 2.4 to 3.9. In measuring of abiotic parameter, the temperature showed 29oC--34oC. Substrate salinity values at the research site varies between 20 ‰ -- 26 ‰. Substrate type heavy foundation at Station 1, 2, and 3 in the Pangkal Babu Mangrove forest is a kind of mud contour and the degree of acidity of the mud (pH) varies between 5- 7. Spearman correlation test results indicated there is no correlation between the density of Gastropoda and abiotic parameters.