



## Diversity and Characteristics of Macrozoobenthos in the Water of Tompe River (A Study from Indonesia)

Nadjamuddin Ramly

Biology Study Program, Faculty of Teacher Training and Education, Universitas Tadulako, Jl. Soekarno-Hatta Km. 9, Palu 94118, Sulawesi Tengah Province, Indonesia

**Abstract :** Based on the research conducted in the water of the Tompe river, and by dividing the study area into four stations each determined by considering the environmental setting and community activities along the river, this study is aimed at determining the level of diversity and characteristics of macrozoobenthos in Tompe river, where the level of diversity of macrozoobenthos is very important to maintain the stability of aquatic environment of the river. A descriptive method with station determination using a purposive sampling technique along the river stream is applied in this research; the said technique involved is 1x1 meter square plot sampling technique. The result of this research shows that there are nine species of macrozoobenthos: *Polycentropus* sp, *Ephemerella* sp, *Macromia magnifica*, *Gammarus fossarum*, *Perla marginata* larva, *Agriocnemis pygmaea* larva, *Bellamyia javanica* larva, *Faunus ater*, and *Ocypode*.

**Keywords:** Tompe river, diversity level and characteristics, macrozoobenthos.

Nadjamuddin Ramly /International Journal of ChemTech Research, 2016,9(11),pp 71-79.

\*\*\*\*\*