**Macrozoobenthos in Wonorejo River, Surabaya**

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**Abstract**

The research about macrozoobenthos in Wonorejo river was done in order to know the community structure and similarity of macrozoobenthos community in each station. Macrozoobenthos sample and sediment was taken using Purposive Random Sampling Methode. The result showed that macrozoobenthos diversity index were 1.70-1.99, so community structure belonging to stabil up to more stabil. The value of macrozoobenthos diversity index were about 0,93-0,95. Station 1 up to station 3 had high diversity index. It was near to index value 1 whereas existency of each biota in the waters was in same condition. macrozoobenthos dominancy index were about 0.14-0.16. Station 1 up to station 3 had low dominancy index. It was near to 0 whereas low dominancy showed that there were no dominated individu, so distribution of total individu was same and it caused the whole of complexity level of energy and nutrition track (food webs). Result showed that similarity of macrozoobenthos community in ecosystem station 1 and station 2 had the most close relation (0.88) compared to another station.

**Keywords**: Purposive Random Sampling, Makrozoobenthos, Diversity Index, Dominancy Index, Similarity Index, Similarity Community Index