

## **ABSTRACT**

### **ANALYSIS OF WATER QUALITY OF THE WAY TULANG BAWANG RIVER ESTUARY WITH TSS AND CHEMICAL PARAMETERS OF NON-METALS**

**By**

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The study of water quality from the estuary river of Way TulangBawang have been done at Sub-District Dente Teladas, District TulangBawang. Some parameters were measured such as DO (dissolved oxygen), pH, Temperature, TSS (Total Suspended Solid), COD (Chemical Oxygen Demand), BOD (Biological Oxygen Demand), Nitrate, Phosphate. The some methods are used to investigated the quality water such as Titrimetry for COD, gravimetry method tested TSS and also spectrometer uv-vis for nitrate and phosphate. To find out the water quality we used Index Pollution (IP) method compared with quality standard based on the Ministry of Environment in its 2003 decree No. 115. The result shows that the river has IP 1,960 (slight polluted), estuary has IP 5, 480 (moderate) and the slight – polluted also found at the sea which indicated with IP 2,497.

**Keywords** : River, Estuary, TSS, Polluted and Quality.