

**ANALYSIS OF LUBRICANT SLUDGE WASTE TO DECESIVE DESIGN
BIOREMEDIATION TREATMENT UNIT (BTU) AT
PT.ANTAM (PERSERO) Tbk, UBPE PONGKOR, BOGOR,
WEST JAVA PROVINCE.**

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Abstract

PT. ANTAM (Persero) Tbk, UBPE Pongkor is a gold mining company. From gold mining activity to obtain waste from lubricant by using heavy equipment. PT.ANTAM (Persero) Tbk, UBPE Pongkor want to commite to treatment the lubricant sludge waste by themselves. The which one way how to treatment hydrocarbon waste used biological treatment with bioremediation technology.

The research method used was survey method, laboratoryum analysis dan overlay of maps. Parameters of lubricant sludge waste in the study are TPH, pH with reference to decision of environmental minister regulation no.128 of 2003 and TCLP with reference to government rules regulation no. 85 of 1999. And than tried map overlay method to find out location to build *bioremediation treatment unit* (BTU) from geophysical data and land function.

Based on the results of laboratoryum tested, the composition of lubricant sludge waste have compliance bioremediation standart treatment. Based on the results of overlay geophysical map and land function map, the location which suitable to build BTU there are on coordinates 9263750 mE – 9263858 mE UTM and 673304 mN - 673457 mN UTM.

Key words : Lubricant sludge waste, Bioremediation.