

ANALISIS PENENTUAN MUTU AIR DENGAN METODE STORET DAN INDEKS PENCEMARAN (Studi Kasus Sungai Garang, Serayu, dan Gung – Jawa Tengah)

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ABSTRACT

The existence of a river will naturally form a river ecosystem which usually called as river basin. There are some river basin in Central Java, such as Gung River Basin, Serayu River Basin and Garang River Basin. Many sector that are dependable on the river resources, while on the hand the quality of the river is decreasing because of the waste water pollutant produced by many human or industrial activities. Therefore, proposal study of water class determination can be done by 2 methods according to Environmental Ministry Decision No. 115 year 2003 about Water Quality Status Determination Handbook, which are STORET and Pollution Index (PI). Using those two methods will be determined the real water class through comparation between water quality parameter with defined standart according to PP No. 82 year 2001. The usage of these 2 methods often resulting in different output, because of the difference of equal weight from each parameter and the existance constanta of P at Poluution Index (PI) which not clear relevancy.

Keywords : water quality, STORET methods, Pollution Index methods