

## Distribusi spasial Karakteristik fisika situ Cibuntu, Jawa Barat

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### Abstrak

Situ (shallow lake) Cibuntu which is located on LIPI Cibinong Complex facing superficiality caused by sedimentation which was dominated by highly TSS (Total Suspended Solids) load. Local people utilize this shallow lake for fisheries activity. In order to maintain the sustainability of its utilization, it was needed a management concept development based on its aquatics physical characteristics. The objective of this research was to determine the each relation of observed water quality parameter. Monitoring on aquatics physical parameter such as water temperature, turbidity, TSS and water conductivity conducted on March, May, July, October, December 2008 and February 2009 at seven stations. The condition of Situ Cibuntu was characterized by the average of its water temperature 27.64~&#65533;C, water turbidity 15.97 NTU, TSS 53.60 mg/L and water conductivity 0.119 ~kS/cm which exhibited this shallow lake waters appropriate for fish culturing water quality standards. The result show that water turbidity was had positive correlation to TSS ( $r=0.996$ ) which indicated that higher TSS causing water turbidity increased accordingly.