

## Profil kualitas air kegiatan budidaya perikanan karamba di Sungai Riam Kanan Kabupaten Banjar, Kalimantan Selatan

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### Abstrak

Cage aquaculture has main income of most Sungai Alang villagers who live along side the Riam Kanan River. Cage aquaculture is intensive fish farming systems with artificial feeding. The uneaten feed and excretion from cage aquaculture will affect the feasibility of water quality for cultivated fish. To evaluate the impact of the cage aquaculture, the study has been done on water quality profile around aquaculture activities in the Sungai Alang village. Water sampling locations set by purposive sampling: one site on the upstream (~50 m from the fish cage), two site in the cage aquaculture area and one site at down stream (~50 m from the fish cage). Water sampling and measurement of water quality include: temperature, pH, DO, BOD5, COD, total P, NH3-N, NO3-N was held from May 15, 2011 till September 4, 2011 with 15 days interval of observation. Cage aquaculture activities on Riam Kanan River which conducted by Sungai Alang society has caused the decreased levels of DO in the downstream and cage aquaculture area. At the level of technology and scale that are developed today, cage aquaculture activities still has not shown a critical level in water quality.