



**Land Suitability Analysis for Patin Siam Cultivation
(*Pangasianodon hypophthalmus*) in East Tanjung Jabung
Regency Jambi Province**

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Abstract : Patin Siam (*Pangasianodon hypophthalmus*) in Jambi Province is one of preferred food commodity. It is indicated by demand for patin siam (*Pangasianodon hypophthalmus*) fish fry which continues to increase annually. Fisheries potential in East Tanjung Jabung have not been utilized optimally. Potential of public fisheries / river is 24 000 hectares but only about 41.5% is utilized with production rate of 679 tons. Freshwater fish cultivation potential approximately reached 14,000 hectares and only around 1120 hectares (8%) is utilized. The absence of information regarding patin fish cultivation or known suitable cultivation location for the cultivation becomes the hurdle of development in the region. Patin Siam research was conducted from July to September 2016 in East Tanjung Jabung Jambi province. The method used in this research is survey method (descriptive) utilizing Geographic Information Systems (GIS). The results exhibits inhibiting factor on the research parameters including water and soil pH. Some of the supporting parameters are dissolved oxygen, ammonia, salinity and additional parameters. Suitable land for patin siam cultivation in East Tanjung Jabung is categorized as 'very appropriate' (S1), in the following sample points: A1, A2, A3, B2, C1 and C2 with scoring value range (78-88). Suitable category (S2), is located at sample points B1, B3, D1, D2, E1, E2 and E3 with the range scoring value (62-72).

Keyword : land suitability analysis; Patin Siam cultivation.

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