ABSTRACT

Daerah Pasang Surut is an area that has low rainfall and are at high acidic waters yield a less suitable for farming, fertilizer is needed to lower the acid levels. Fertilizers help reduce levels of acid is an organic fertilizer that can provide the required elements and may increase rice yields thus indirectly to solve the economic problems. The method used to obtain the optimal dose of fertilizer is the design of experiments using SPSS 17.0 and the design used was completely randomized factorial design, and obtained the optimal dose of fertilizer is 100 grams / 8 cc for demplot 1m x 2m. Total Cost of Production (HPP) Rp 386,175.1 liquid fertilizer in 200 liters, the selling price of Rp 2510.13815 / liter, Break Even Point in units of 405 liters and the rupiah at Rp 1016583.693. Total Cost of Production (HPP) solid fertilizer Rp 591,333, - in 1000 kilograms, the selling price of USD 768.7329 / kg, Break Even Point in units of 995 kg and the rupiah at Rp 764,728.6666. Total rice yield obtained from experiments as much as 8.48 kg of the experimental area of 12 m^2

Keywords : Organic fertilizers , Experimental Design , Cost of Production , Break Even Point