PENGARUH KONSENTRASI PUPUK DAUN TURI PUTIH (Sesbania grandiflora) TERHADAP POPULASI Chlorella sp.

Abstrak:

Chlorella sp. is one of natural feed in marine hatcheries because of high protein content and easy to digest. Macro and micro nutrients in culture media of Chlorella sp. is very important to get a high values productivity so that can supply the nutrient requirement of Chlorella sp. Sesbania grandiflora is a groups of legume crops has an ability in symbiosis with Rhizobium leguminosserum that capable to binding the element of nitrogen from the air. Chemical elements in S. grandiflora
qualitatively and quantitatively able to supply macro and micro elements for Chlorella sp. growth so it has potential to be applied in culture of Chlorella sp. This research method is experimental, determined effect of S. grandiflora fertilizer on population of Chlorella sp. and best concentration of S. grandiflora fertilizer on culture of Chlorella sp. This research method is experimental, while the design of the study is a Rancangan Acak Lengkap (RAL) with 7 treatments and 4 replications. The main parameters in this research that population of Chlorella sp., while supporting parameters in this study consisted of: water quality medium culture. The results suggest that dose of liquid Sesbania grandiflora fertilizer waste that produces the highest population of Chlorella sp. is K treatment (10.575 million cells/ml) which occurred on the tenth day is followed by B treatment (10.462 million cells/ml)
and
C
treatment
(9.525
million
cells/ml).

Keyword :

Daftar Pustaka :

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