PENGARUH KONSENTRASI PUPUK Lemna minor TERHADAP POPULASI Dunaliella salina

Abstrak :

Dunaliella salina is a microalgae that have a high nutrient content, therefore Dunaliella salina is widely used as an effective natural food, because they have cell walls and is easily digested. Dunaliella salina is rich in phytoplankton nutrients such as omega 3 and omega 6 and essential amino acids. Dunaliella salina has a large potential for the amount of β-carotene and glycerol. Lemna minor in addition containing
nutrient
n and p high also has a high concentration of minerals and pigment, especially beta carotene and xanthophyll so either for growth Dunaliella salina. This research aimed to know the effect of fertilizers on the growth of Lemna minor populations of Dunaliella salina and the optimal concentration of fertilizer Lemna minor in Dunaliella salina culture. Lemna minor doses used in this research are A (0 ml/l), B
(0.25 ml/l), C
(0.5 ml/l), D
(0.75 ml/l), E
(1 ml/l) and the use of fertilizers walne (1 ml/l) as with the control for the research. This research method is
experimental methods. Research was done at the Faculty of Fisheries and Marine Laboratory, University
of Airlangga for 7 days. The main parameter was observed the population Dunaliella salina. Supporting
parameter includes water quality.

The results suggest the best dose of fertilizer Lemna minor for the growth of Dunaliella salina is the dose
in treatment D (0.75 ml/l) of 36.18x104 cells/ml,
the highest growth occurred on the fifth day. Based on
measurements of water quality throughout the treatment is still decent and good to support the the growth
of Dunaliella salina during the research.

Keyword :

Daftar Pustaka :
A.R. Diahsari Teknik Kultur Chlorella sp. di Balai Besar Pengembangan Budidaya Air Payau Jepara
Surabaya
I. Hutagulung Pembuatan Pupuk Cair Heifer International Indonesia 2008 -
A. Isnansetyo, Kurniastuty Teknik Kultur Phytoplankton dan Zooplankton Kanisius 1995 Yogyakarta
R. Kusriningrum Perancangan Percobaan Universitas Airlangga 2008 Surabaya
L. A. Sari Pengaruh Penambahan FeCl3 Terhadap Pertumbuhan Spirulina platensis yang Dikultur
pada Media Asal Blotong Kering Fakultas Perikanan dan Kelautan 2009 Surabaya