Short Communication

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Cultivation of *Chlorella* sp. with livestock waste compost for lipid production

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A B S T R A C T

Cultivation of microalgae *Chlorella* sp. with livestock waste compost as an alternative nutrient source was investigated in this present study. Five culture media with different nutrient concentrations were prepared. The characteristics of algal growth and lipid production were examined. The results showed that the specific growth rate together with biomass and lipid productivities was different among all the cultures. As the initial nutrient concentration decreased, the lipid content of *Chlorella* sp. increased. The variations in lipid