

Cultivation of *Chlamydomonas reinhardtii*(cc124) for producing biodiesel

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In these days, humankind are facing with energy crisis and environmental problems. Fuel price is continuously increased and global warming causes a climate change which does a major role in increase of nature disasters such as hurricanes, floods and droughts. To solve that kinds of complex energy and environmental problems, many researchers are trying to find clean, renewable and carbon-neutral energy sources. Among these energy sources, biodiesel production from microalgae seems to be a breakthrough in the fuel refinery. Microalga is a ocean microorganism which could uptake carbon dioxide and accumulate lipid in there body. In this study, microalga, *Chlamydomonas reinhardtii* cultivated in the various intensity of light. Their biomass productivity and lipid contents were discussed.