ABSTRACT

This research is intended to find out how the medium pH can affect the production of biosurfactan to reach optimization in produce biosurfactan. Stationary phase of fermentation obtained after 20 hours. To know biosurfactan produced, the emulsification activity assay performed by using hydrocarbon such as lubricating oil, kerosene and n-heksana. The result of emulsification activity assay indicated at variable of pH 6,0-8,0 with optimum conditions for production of biosurfactan occurred at pH 8,0. After isolation of the production results of biosurfactan obtained 0,033 g/L liquid medium.