DE LA SALLE UNIVERSITY

PHYTOCHEMICAL AND MICROBIOLOGICAL SCREENING OF THE SOFT CORALS
AT THE DE LA SALLE UNIVERSITY MARINE BIOLOGICAL STATION

A Thesis
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the Faculty of the Graduate School
College of Science
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ABSTRACT

This research study is focused on two types of screening: phytochemical and microbiological screening of tensamples of soft corals gathered from the DLSU Marine Biological Station at Matuod, Batangas.

The phytochemical screening includes the detection of six chemical constituents namely: alkaloids, sapenins, cardenolides, flavonoids, Tannins and Antraquinones. Of the six, only four were confirmed to be present.

The microbiological screening involves the testing for antimicrobial activity of the samples. The ethanol extract of the samples was tested against 7 test organisms. Significantly, all samples showed varying degrees of antimicrobial activity.