FIELD PRACTICE REPORT ON TISSUE CULTURE OF RED SEAWEED "GULAMAN" (*Gracilaria firma*) IN BFAR-NATIONAL SEAWEED TECHNOLOGY DEVELOPMENT CENTER (NSTDC), CABID-AN, SORSOGON CITY

by

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of

BACHELOR OF SCIENCE IN FISHERIES

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EXECUTIVE SUMMARY

The field practice was conducted at the BFAR-NSTDC (National Seaweed Technology Development Center located in Cabid-an, Sorsogon City, from June 23, 2017 to August 3, 2017, a total of 30 working days of training. The aim of the center is to develop and promote the seaweed industry and to disseminate their technologies to fisher folks.

Generally, the activities done by the author involve the seaweed culture in the laboratory, farming of *G. hetroclada*, extraction of agar phycocoloid from the *G. hetroclada* and application of seaweed to different food products. Specifically, the author experienced the tissue culture of *G. firma*, branch culture of *E. denticulatum, K. Alvarezii* and *G. heteroclada*, agar extraction from *G. heteroclada* using native and ATCC method, farming of *G. heteroclada* in the Sorsogon Bay, morphological identification of seaweeds and producing newly developed products out of seaweeds such as gulaman letche flan, seaweed brownies, seaweed cookies, seaweed macaroons, seaweed choco-crinkles and seaweed steamed-puto.

Strengths of the center include adequate facilities, adequate budget for research and projects and the geographical location of the province where the center is located. Its weaknesses comprise "Dole-out" projects, transportation difficulty and not well utilized equipment and facilities.

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