

Research and Innovation

Assessment of Aquatic Ecological Health in Seagrass Bed, Libong Island, Trang province

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Since the unsuitable environment of aquatic animals in relation to aquatic environment pollution has been well-documented, this situation is a limiting factor for the healthy ecology and aquaculture production. The fundamental knowledge and technological advances of the aquatic animal assessment have hence been progressively reported in both field and aquacultural studies. Data

concerning the healthy aquatic assessment plays a critical role in receiving the aquatic ecosystem health status that is associated with the effect on human health.

Libong Island, is located on the southwest coast of Andaman Sea, Thailand. This island has a diverse ecosystem with an extensive seagrass, but the huge load of sediment and environmental problems in relation to the loss of seagrass are occurring. It is possible that a wide range of environmental problems affect the marine biodiversity and marine organisms, like benthic invertebrates and fish. Therefore, the health assessment of aquatic animals living this area is required.



Dr. Sinlapachai Senarat, lecturer in the Rajamangala University of Technology Srivijaya (RUTS), was collecting the aquatic animals living in the seagrass bed at Libong Island with his students from our marine program. This is under the project “Monitoring and evaluation of the animal health status from Libong Island, Thailand”. As preliminary study, it was revealed that the death of the crab was exclusively explored. The assessment of aquatic animal histopathology from this area has been investigating. The data regarding the aquatic animal health status from Libong Island could provide the monitoring info to manage the seagrass area, Libong Island under the environmental stress.



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