J Oceanogr Mar Res 2017, 5:4 (Suppl)
DOI: 10.4172/2572-3103-C1-003

PEKA TALA (seaweed culture guide calendar) as an android based software application for culture parameter for the seaweed culturist in Indonesia

Shobrina S Q Tartila, Andita D Prastya, Yossy K, Ade I Harifa, Aldo L A Suyoso and A A Abdillah
Airlangga University, Indonesia

The main sector of the seaweed production in Indonesia is the seaweed culture. Unfortunately, the traditional method used for seaweed culture in the sea as well as weather dependency and only following the past experience of some seaweed culturists, cause the seaweed production in Indonesia is much lower than the other seaweed production countries. There has been a guide book which could help the seaweed culturists find the best time to cultivate the seaweed offshore, however it was inapplicable. Thus, this project is to create a software application called PEKA TALA (seaweed cultivation calendar guide in android based software application), which is accessible and applicable for the seaweed culturists. This software application is able to help the seaweed culturists understand the best time (climate, weather and tides) and the best place (temperature, salinity, brightness, depth and pH) for conducting a seaweed culture production offshore. This software also contains additional information about the seaweed disease, pest and weeds as well as the ways to prevent them during the culture process.

shobrina.silmi-13@fpk.unair.ac.id