

## ABSTRACT

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Indonesia is one of the developing countries that may now have to undergo trials multidimensional that made this country into a country with a high poverty level, it is due to lack of natural resources management. Poor on the one hand, but a lot of people agree that the natural resources in Indonesia is still rich. Indonesian marine one of which has an enormous potential.

Developed countries must master high science on technology and economy, with their science will rule poor countries. They became knowledgeable because supported by many research institutions, venture to explore from exploiting Indonesian. The purpose of this design reports is trying to establish a research facility that will be the driver of the development of an integrated region. A facility that not only aims to advance marine science and fisheries but there are also training activities for people who are involved with the sea and fish.

The shape of land which is trapezoid and elongated with total area of 2.4 hectares, which is large enough will facilitate the process of structuring the masses but in this design are not necessarily all of the land to be built, but must follow the reference RDTRK for GSB and KLB. Interesting challenges that emerged is an attempt to provide outdoor spaces flow and respect for the environment that exists at the beach special offers on the function of the building such as the need for separation of types of behavior according to activity, provide vegetation shade, steering, and wind breaker, giving direct access to the circulation towards the right building.

Sustainable Building is the theme used in an attempt to achieve an environmentally friendly design. With the concept of sustainability is intended to help facilitate the design in realizing the objectives to be achieved on a theme taken, such as the utilization of energy that exist at the site as an alternative energy.