

ABSTRACT

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DESIGN OF A SEAWEED PROCESSING CENTER USING A HIGH TECH ARCHITECTURAL APPROACH

The seaweed processing center is a place where dried seaweed is processed which is taken from farmers and processed into ingredients that are ready to be marketed in the form of flour and nory (seaweed chips). The seaweed processing center is included in the medium industry because it employs a large number of employees and also uses sophisticated processing machines. The design location is on street Wai Bua Bua, Kampung Baru village, North Sanana sub-district, Sula Islands Regency. The location was chosen due to several factors, street Wai Bua Bua, Kampung Baru Village, because this location is close to three villages that cultivate seaweed, making the distribution and export process easier. The Sula Islands, as a maritime area, are very suitable for seaweed cultivation, so they need a processing place so that seaweed becomes of more economic value. The design of the seaweed processing center consists of seven building masses. The first building and also the main building functions as an office, the second building is a raw material warehouse, the third building is a washing and drying area, the fourth building is a processing area, the fifth building is a production warehouse, the sixth building is a clinic and employee changing room, the seventh building is a prayer room. High tech architecture is the concept chosen and applied in the building, aiming to support the function of the building, namely as an industrial building by adapting to the tropical climate in the Sula Province. The application of high tech architecture in the Sula Islands requires design according to the tropical climate with several design concepts.

Keywords : Processing center, high tech architecture, Sula Islands.