***Design To Build A Fish Dryer With The Utilization of Solar Power as a Source of Power Generation (*Rancang Bangun Alat Pengering Ikan Dengan Pemanfaatan Tenaga Surya Sebagai Sumber Pembangkit Energi Listrik)**

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ABSTRACT

One of the potential of marine products is fish that become one of the livelihoods of fishermen, fish obtained are not all sold to the market but drennance to be made salted fish. The drying process with sunlight or commonly called drying is traditionally done by drying fish ± 3 days if the weather is clear and flipping the fish 4-5 times for even drying. In the dry season where the sun is very abundant and sunlight is not covered by clouds the drying business runs well but in the rainy season the sunlight is not too good to make the drying of fish become hampered. With the problem of the drying process researchers think making the tool of salted fish processing technology environmentally friendly by using solar cells becomes a solution for the community. Using 150 Wp solar panels equipped with 26 Ah battery storage with heating using 15 watts as much as 4 lights can dry bloated fish for 6 hours. From the results of the study stated that the capacity of PLTS produces energy of 324.36 Wh.

Key Word: PLTS, Solar Panels, Fish Drying, DHT 11