

RifatulMahmudah, 08.03.4.11.00013. The area of Green Belt Study (Mangrove Greenbelt) For Efforts in Support of Sustainable Pond Village District of Bangkalan Martajasah Bangkalan under guidance by Maulinna Kusumo Wardhani and Yudhita Perwitasari.

ABSTRACT

Greenbelt is a mangrove ecosystem has ecological functions for marine life and the socio-economic well for coastal communities. Ecological functions of forests in physico-chemical mangrove maintain shore line stability, resist abrasion, resist the results of sludge accumulation process, preventing seawater intrusion, as a producer of O₂ and CO₂ absorbent. While biologically producer material plankton as a food source, habitat for spawning, feeding, and breeding of various aquatic biota. This study aims to assess the extent of the greenbelt (mangrove greenbelt) as an effort to support sustainable pond in the Village District of Bangkalan Martajasah Bangkalan conducted in February 2014 in the coastal area in the Village District of Bangkalan Martajasah Bangkalan. The method used is the method of observation and systematic sampling method, sampling was conducted at 3 points with 3 replications, and the measurement of water quality parameters. Analysis of the data used by direct calculation using a predetermined formula. The results showed that at the location of said extensive research sustainable pond was 227 ha with extensive aquaculture research contained in the location that is 375 ha, the existing mangrove area of about 148 ha, the area was said to exceed the potential that aquaculture should be reduced and should be planted mangrove tree so in rehab was 133.2 ha. Average value of water quality 28-29°C temperature, salinity 17-18‰, brightness 25-27 cm, nitrate 0,0017 mg/l, phosphate 0,02 mg/l, DO 6-7 mg/l.

Keywords: sustainable Pond, water quality, Greenbelt, Village Martajasah