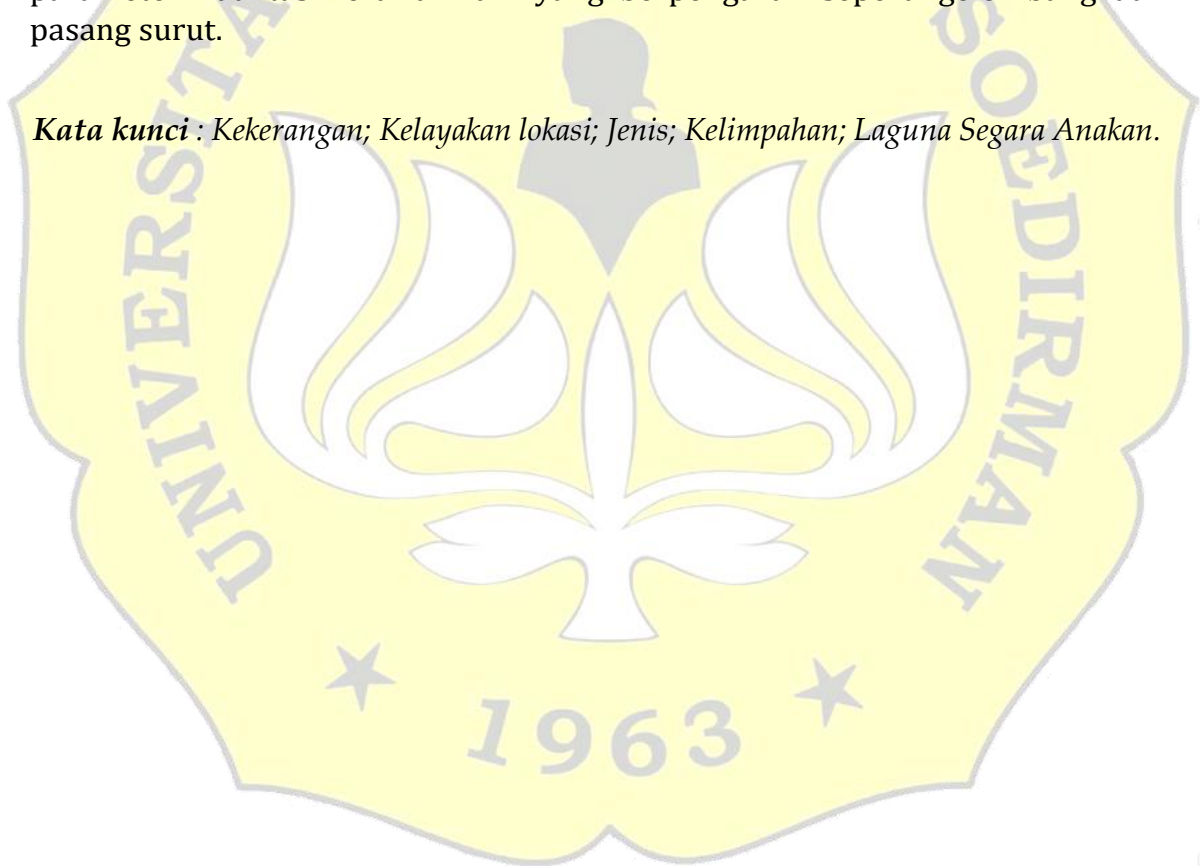


ABSTRAK

Laguna Segara Anakan (LSA) terletak diantara Pulau Jawa dan Pulau Nusakambangan yang merupakan perairan semi tertutup yang dicirikan dengan tingginya keanekaragaman fauna diantaranya kekerangan. Penelitian ini dilakukan bertujuan untuk mengetahui jenis, kelimpahan, dan kelayakan lokasi budidaya kekerangan di Segara Anakan Bagian Timur. Penelitian dilakukan pada bulan Januari 2022. Pengambilan data dilakukan *secara in situ*, meliputi parameter fisika, kimia, dan biologi. Sampel kekerangan diambil menggunakan ekman grab. Hasil penelitian ini menunjukkan bahwa, jenis kekerangan yang ditemukan ada 5 spesies yaitu *Anadara granosa*, *Meretrix meretrix*, *Polymesoda erosa*, *Tellina sp.*, *Corbula faba*. Nilai kelimpahan berkisar antara 16 - 64 ind/m². Lokasi di Segara Anakan bagian Timur termasuk dalam kategori sesuai (skor 78) sampai sesuai bersyarat (skor 70) untuk lokasi budidaya kekerangan. Penelitian lebih lanjut perlu dilakukan, terutama mengenai aspek sosial dan ekonomi serta parameter kualitas Perairan lain yang berpengaruh seperti gelombang dan pasang surut.

Kata kunci : Kekerangan; Kelayakan lokasi; Jenis; Kelimpahan; Laguna Segara Anakan.



ABSTRACT

The Segara Anakan Lagoon (LSA) is located between Java Island and Nusakambangan Island which is a semi-enclosed waters characterized by a high diversity of fauna including shellfish. This research was conducted with the aim to determine the type, abundance, and location feasibility of mussel cultivation locations in Eastern Segara Anakan. The research was conducted in January 2022. Data was collected in situ, covering physical, chemical and biological parameters. Shellfish samples were taken using the Ekman grab. The results of this study indicated that there were 5 species of shellfish found, namely *Anadara granosa*, *Meretrix meretrix*, *Polymesoda erosa*, *Tellina sp.*, *Corbula faba*. Abundance values ranged from 16 - 64 ind/m². Locations in the eastern part of Segara Anakan are included in the category suitable (score 78) to conditionally suitable (score 70) for mussel cultivation locations. Further research needs to be carried out, especially regarding social and economic aspects as well as other influential water quality parameters such as waves and tides.

Keywords : Shellfish; Location suitability; Type; Abundance; Segara Anakan Lagoon

