Validasi lapangan persebaran spasial lamun menggunakan teknologi penginderaan jauh di Perairan Pantai Barat Pulau Rote, Kabupaten Rote Ndao, Nusa Tenggara Timur = Field validation of seagrass spatial distribution using remote sensing technology in West Coast of Rote Island, Rote Ndao regency, East Nusa Tenggara

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Abstrak

Penelitian mengenai validasi lapangan persebaran spasial lamun menggunakan teknologi penginderaan jauh di perairan pantai barat Pulau Rote, Kabupaten Rote Ndao, Nusa Tenggara Timur perlu dilakukan untuk memberikan informasi dan data ilmiah mengenai padang lamun di Perairan Pantai Barat Pulau Rote. Penelitian tersebut bertujuan untuk mengetahui komposisi jenis lamun, persentase tutupan padang lamun, dan persebaran spasial lamun. Penelitian ini telah dilakukan pada 31 Oktober--5 November 2016. Metode penelitian yang digunakan antara lain purposive sampling, metode transek garis kuadrat, dan pengolahan citra landsat 8 OLI. Hasil penelitian menunjukkan bahwa komposisi jenis lamun terdiri atas tujuh jenis dari enam marga. Persentase tutupan lamun tertinggi 76,22 di stasiun kedua dan terendah 66,67 di stasiun ketiga. Hasil klasifikasi citra terhadap validasi lapangan memiliki nilai uji akurasi 73.

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Research on field validation of seagrass spatial distribution using remote sensing technology in west coast of Rote Island, Rote Ndao Regency, East Nusa Tenggara, to provide information and scientific data regarding the seagrass pastures in the waters of the West coast of Rote Island. Such research aims to find out the composition of the type of seagrass, coverage percentage seagrass, and seagrass spatial distribution. This research has been conducted on October 31st November 5th 2016. Research methods used purposive sampling, the method is quadrat line transect, and processing landsat 8 OLI. The results showed that the composition of the type of seagrass consisting of seven species in six genus. The highest coverage percentage of seagrass 76,22 in the second stations and the lowest coverage percentage of seagrass 66,67 in the third stations. Image classification results toward validation field has a value of test accuracy 73.