

STATUS POPULASI DAN PREFERENSI HABITAT SPESIES  
TERANCAM PUNAH *Lithocarpus platycarpus* (BLUME) REHDER  
DI KAWASAN CAGAR ALAM PULAU NUSAKAMBANGAN INDONESIA

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INTISARI

Pulau kecil di Indonesia mempunyai peran penting sebagai perlindungan keanekaragaman hayati. Pulau Nusakambangan yang didalamnya terdapat dua cagar alam berfungsi untuk melindungi jenis terancam punah. *Lithocarpus platycarpus* sudah jarang ditemui di habitat alami sehingga informasi jenis ini belum banyak diketahui. Tujuan penelitian untuk menilai struktur populasi, sebaran populasi dan preferensi habitat populasi *Lithocarpus platycarpus* di Cagar Alam Nusakambangan Timur dan Cagar Alam Nusakambangan Barat. Metode yang digunakan menggunakan metode survei terfokus. Metode survei terfokus merupakan metode yang memfokuskan survei pada wilayah yang memiliki potensi habitat tinggi. Analisis data struktur populasi, persebaran populasi, preferensi habitat berturut-turut menggunakan kelas dbh, *Average Nearest Neighbor*, dan regresi logistik. Hasil dari analisis data struktur populasi menunjukkan grafik dengan “kurva J” yang didominasi kelas diameter besar sehingga kesehatan dari populasi *Lithocarpus platycarpus* tidak sehat. Persebaran populasi *Lithocarpus platycarpus* mendapatkan nilai rasio *Average Nearest Neighbor* sebesar 0,321016 yang menunjukkan bahwa pola persebarannya mengelompok. Preferensi habitat *Lithocarpus platycarpus* menunjukkan faktor-faktor habitat di CA Nusakambangan signifikan pada uji serentak dan tidak ada yang signifikan di uji parsial sehingga habitatnya cocok di CA Nusakambangan, namun tidak memerlukan habitat khusus di CA Nusakambangan.

Kata Kunci: Struktur Populasi, Persebaran Populasi, Preferensi Habitat, *Endangered Species*, CA Nusakambangan, Konservasi

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**POPULATION STATUS AND HABITAT PREFERENCES OF  
ENDANGERED SPECIES *Lithocarpus platycarpus* (BLUME) REHDER  
IN THE INDONESIAN NUSAKAMBANGAN ISLAND NATURAL RESERVE  
AREA**

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**ABSTRACT**

*Small islands in Indonesia have an important role in protecting biodiversity. Nusakambangan Island, which contains two nature reserves, functions to protect endangered species. *Lithocarpus platycarpus* is rarely found in natural habitats so not much information is known about this species. The aim of the research was to assess the population structure, population distribution and habitat preferences of the *Lithocarpus platycarpus* population in the East Nusakambangan Nature Reserve and West Nusakambangan Nature Reserve. The method used uses a focused survey method. The focused survey method is a method that focuses surveys on areas that have high habitat potential. Data analysis of population structure, population distribution, habitat preferences respectively using dbh classes, Average Nearest Neighbor, and logistic regression. The results of the population structure data analysis show a graph with a "J curve" which is dominated by the large diameter class so that the health of the *Lithocarpus platycarpus* population is unhealthy. The distribution of the *Lithocarpus platycarpus* population has an Average Nearest Neighbor ratio value of 0.321016, which indicates that the distribution pattern is clustered. The habitat preferences of *Lithocarpus platycarpus* show that the habitat factors in the Nusakambangan CA are significant in the simultaneous test and none are significant in the partial test so that its habitat is suitable in the Nusakambangan NR, but does not require special habitat in the Nusakambangan NR.*

*Keywords: Population Structure, Population Distribution, Habitat Preference, Endangered Species, Nusakambangan NR, Conservation*

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