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ECOLOGICAL FACTORS AFFECTING THE DISTRIBUTION OF LIMPASU (*BACCAUREA LANCEOLATA*) IN SOUTH KALIMANTAN, INDONESIA

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ABSTRACT

The aim of this study was to provide information on the distribution and determine the strongest factors that influence the distribution of *Baccaurea lanceolata*. The identification of these parameters in a particular ecosystem helps us implement appropriate management for the present and future development of *B. lanceolata* restoration and development. This study used purposive sampling method by exploring the areas where *B. lanceolata* commonly found. The geographic distribution of accessions was visualized with the DIVA-GIS program. The relationship between environmental factors and *B. lanceolata* plants was analyzed using Principal Component Analysis (PCA) which was generated from Minitab software version 16. Based on field surveys, *B. lanceolata* plants were found in Gunung Raya, Hamak Timur, Hamak Utara, Patika Lain, Batang Alai Timur, Marajai, Loksado, and Geronggang. The results showed that the most important factors in the distribution of Limpasu in South Kalimantan were altitude and air humidity.