

عنوان مقاله:

Exploration and Characterization of Superior Locals Durian in Two Sub-Districts of Malang, East Java, Indonesia

محل انتشار:

مجله علوم و فناوری کشاورزی، دوره 26، شماره 4 (سال: 1403)

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خلاصه مقاله:

Durian production centers in East Java areas are quite numerous, two of which are Kasembon and Ngantang Subdistricts, Malang District. In these areas, most durian trees are propagated from seeds. This research aimed to determine the genetic diversity by exploration and characterization of superior types, using descriptive method. Determination of samples in the study using a non-probability sampling design with a purposive sampling method. The research was conducted by characterizing the qualitative and quantitative morphological characters from fruit, leaves, and trees. The characters identified are 11. Characterization of the durian types was made based on the guidebook description from Bioversity International. Quantitative data was used for descriptive statistical analysis. Qualitative data analysis was carried out using the Unweighted Pair Group Method with Arithmetic Averaging (UPGMA) method using NTSYS version 2.02 software. The results of the research showed that local superior durians from Kasembon and Ngantang Subdistrict had diverse characteristics. Diversity are in the character of fruits, leaves, and trees. The genetic distance among superior durians was 0.109-0.343. Some of durian accessions observed such as Vodca and Kunir Amad had the potential to be registered as regional assets or as local superior cultivars

کلمات کلیدی:

Durian morphology, Durio zibethinus

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<https://civilica.com/doc/2023177>



