

Distribution Map of *Curcuma xanthorrhiza* Roxb. and Its Characteristic in Indonesia

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ABSTRACT

Temulawak (*Curcuma xanthorrhiza* Roxb.) crops have been cultivated in wide environmental areas and diverse management systems in Indonesia. But its actual distribution and locations are rarely understood and mapped, so that it is difficult to describe the characteristic of management and environment. The research aims were to find out temulawak distribution and its environmental locations and to assess its suitability. The data was collected through field observation in several main crops in several districts in Indonesia. The data were then categorized to its suitability class, and mapped using GIS (Geographical Information System). The research has been successfully exhibit the distribution of *C. xanthorrhiza* Roxb., that can be used to for guidance in finding its location. Currently, most of them were managed traditionally with low input, regardless its suitability, beside its small size of its cultivation areas. There is no correlation between their existing locations and suitability status. The most suitable area does not necessary the dominant temulawak areas.

Keywords: Distribution map, suitability map, traditional management, guidance