

ISOLATION OF DNA EXTRACTION FROM *Barringtonia racemosa*

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ABSTRACT

ISOLATION OF DNA EXTRACTION FROM *Barringtonia racemosa*

Herb is a plant or plant part that is used for its flavor, scent and also for therapeutic properties. Some of the herb parts such as the seed, leaves, roots and flowers can be used for medicinal purpose in curing illness and have been used as healing agent for many centuries. *B. racemosa* is a kind of family Lecythidaceae that is extensively grown in Southeast Asia and many tropical countries. It also know as “putat”. The aims of this thesis are to extract DNA from *Barringtonia racemosa* and then to determine whether *Sle01* can be detected in *B. racemosa*. The genomic DNA was extracted using the Invisorb[®] Spin Plant Mini Kit procedure. After extraction was done, it shows the present of DNA extraction. However, after the extraction by amplified with *Sle01* there were know amplification occur due to primer dimer. Besides that, the *Sle01* have not being discovered in herb except Diterocarpace. In the final analysis, the genomic DNA was successfully extracted from the local *B. racemosa* plant. This study showed that the *B. racemosa* gene or specifically the *Sle01* gene cannot be successfully amplified in *B. racemosa* leaf except. It important does DNA purity by Biophotometer because it can indicate that pure DNA has been extracted without protein and RNA contaminations.