

ABSTRACT

MINOR CASSANE DITERPENOID OF *CAESALPINIA BONDUK* (FABACEAE)

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This thesis is divided into two chapters:

A review of the genus *Caesalpinia* is dealt with in chapter one. This reveals that diterpenoids, homoisoflavones and peltogynoids are the main compounds isolated within this genus.

A chemical investigation of *Caesalpinia bonduk* is reported in chapter two. The cassane diterpenoids previously isolated from the seeds and roots of *C. bonduk* are discussed. Further investigation of the roots of *C. bonduk* resulted in the isolation of six cassane furanoditerpenoids, one of which is the known caesaldekarin a. The other five compounds have not been reported previously.