

***CISSUS DINKLAGEI* LIANA TANNIN EXTRACT CHARACTERIZATION**

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ABSTRACT

The *Cissus Dinklagei* liana tannin extract was characterized using spectroscopy and spectrometry methods. The analysis of the ATR-FT, ¹³C NMR and MALDI-TOF MS shown that this tannin is a condensed one and particularly a procyanidin type. It is mainly composed of chalcone, catechingallate, apidenin, gallo catechin, fisetinidin and quercetin. It has a very high percentage (54%). This procyanidin types can be used as woods adhesives. The chalcon is a major constituent of this tannin. The presence of chalcone, gallo catechin, fisetinidin and quercetin may provide this tannin with a good antioxidant and anticancer properties.

Keywords: *Cissus Dinklagei*, Condensed tannin, characterization, Maldi-Tof MS.