

ABSTRACT

METABOLITE PROFILE STUDY AT EACH PRODUCTION STEPS OF 70% ETHANOL EXTRACT GRANULE OF *Justicia gendarussa* Burm.f LEAVES

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The aim of this research was to know how the metabolite profile at each production steps of 70% ethanol extract granule of gandarusa (*Justicia gendarussa* Burm.f) leaves which consist acidification, extraction, and granulation process by using TLC instrument. Based on multivariate analysis with PCA showed both using TLC-scanner at 366 nm and TLC-visualizer at 366 nm and 254 nm have same clustering. Score plot result showed that samples of extract, granule and dried granule of fractionated 70% ethanol extract *J.gendarussa* leaves have identical metabolite profile because their position are contiguous to each other, whereas sample of *J.gendarussa* leaves after acidified has separately with other samples. So *J.gendarussa* leaves after acidified has different metabolite profiles between extract, granule and dried granule of fractionated 70% ethanol extract *J.gendarussa* leaves.

Keywords : *Justicia gendarussa* Burm.f, metabolite profiling, TLC, PCA.