

ABSTRACT

PURIFICATION AND CHARACTERIZATION OF METABOLITE FROM CLADOSPORIUM OXYSPORUM FRACTIONS 6-8 AND 20-49 FROM *AGLAIA ODORATA* Lour.

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The aims of this study is to determine the metabolite compounds from fractions of ethyl acetate extract of endophytic fungi from *Aglaia odorata* Lour. In this study, a 147.6 mg ethyl acetate fractions 6-8 and a 201.6 mg ethyl acetate fractions 20-49 were fractionated with column chromatography. Gradient system was performed, there were 9 fractions collected from ethyl acetate fractions 6-8 and 11 fractions from ethyl acetate fractions 20-49. Each fraction was applicated at TLC plate, eluted with the optimized eluent system and the chromatogram evaluated by densitometry. Some of spray reagents were used. The result showed all of the fraction gave the positive result with anisaldehyde sulphuric acid and some of them gave positive result with ceri sulphate, vanillin sulphuric acid, iodine, and DPPH. None of the fraction gave the positive result with FeCl₃.

Keywords : Endophytic, *Aglaia odorata* , TLC, densitometry, characterization of metabolite.