

Study on Meristem Culture of Purwoceng (*Pimpinella pruatjan* Molk.) and Its Stigmasterol Detected by Thin Layer Chromatography

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Abstract : Purwoceng (*Pimpinella pruatjan* Molk) is a legend plant used for increasing stamina by Kings in Java Island, Indonesia. Purpose of this study was to perform meristem culture and detected its stigmasterol by thin layer chromatography (TLC). Our result show that meristem culture could be propagated and grew into plantlet. After extracting intact acclimatized plant derived from meristem culture by hexane, we could detected stigmasterol by TLC. For suggestion, our extraction and TLC method could be used for detecting stigmasterol in others plant.

Keywords : purwoceng (*pimpinella pruatjan*), meristem culture, extraction, thin layer chromatography

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