

INTISARI

GEA T.S., 2017, ANALISIS KADAR DAN PROFIL KROMATOGRAFI LAPIS TIPIS (KLT) MINYAK ATSIRI DAUN MUDA DAN DAUN TUA TANAMAN PUCUK MERAH (*Syzygium myrtifolium* Walp.), FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Tanaman pucuk merah (*Syzygium myrtifolium* Walp., famili Myrtaceae) merupakan tanaman yang sedang populer di Indonesia sehingga keberadaannya dapat dengan mudah dijumpai di tepi-tepi jalan, baik di daerah perkotaan maupun di perkampungan. Tanaman pucuk merah sefamili dengan tanaman cengkeh yang mengandung minyak atsiri. Tujuan penelitian ini adalah menganalisis kadar dan profil kromatografi lapis tipis (KLT) minyak atsiri daun tua dan daun muda tanaman pucuk merah.

Daun tua dan daun muda dikeringkan di oven pada suhu 40°C. Penelitian ini menggunakan destilasi air dengan pipa Clavenger untuk menetapkan kadar minyak atsiri. Profil KLT minyak atsiri dianalisis dengan fase diam silika gel GF₂₅₄ dan fase gerak toluen : etil asetat (93:7) dan penampak bercak anisaldehyd asam sulfat.

Hasil penelitian menunjukkan bahwa kadar minyak atsiri pada daun muda tanaman pucuk merah lebih besar daripada daun tua, dengan kadar berturut-turut adalah 4,33% dan 3%. Profil KLT minyak atsiri menunjukkan profil yang beda yaitu pada minyak daun muda sebanyak 1 bercak dengan Rf 0,85 dan pada minyak daun tua sebanyak 1 bercak dengan Rf 0,83.

Kata kunci : Daun pucuk merah, *Syzygium myrtifolium* Walp., destilasi air, KLT.

ABSTRACT

GEA T.S., 2017, RESEARCH ANALYSIS AND PROFILE OF LAYER CHROMATOGRAPH (TLC) OIL OFFER YOUNG LEAF AND OLD LEAVES RED SHEEP (*Syzygium myrtifolium* Walp.), PHARMACEUTICAL FACULTY, SETIA BUDI UNIVERSITY, SURAKARTA.

Red shoots (*Syzygium myrtifolium* Walp., Myrtaceae family) are popular in Indonesia so that their presence can easily be found on the sides of the roads, both in urban and in urban areas. Seeds of shoots cucamili with cloves containing essential oils. The purpose of this study was to analyze the content and thin layer chromatography profile (TLC) of old leaves and the leaves of young leaves.

The old leaves and young leaves are dried in the oven at 40 ° C. This study uses water distillation with Clavenger pipeline to establish essential oil content. The essential oil TLC profile was analyzed by silica gel stationary phase GF254 and toluene phase: ethyl acetate (93: 7) and anisulfuric acid sulfate spotting.

The results showed that the levels of essential oils in young leaves of red shoots were larger than the old leaves, with the consecutive levels of 4.33% and 3%. TLC profile of essential oil showed a different profile that is on young leaf oil as much as 1 spot with Rf 0,85 and on oil of old leaves as much as 1 spots with Rf 0,83.

Keywords: Leaf buds, *Syzygium myrtifolium* Walp., Water distillation, TLC.