

INTISARI

ROOSALINA, F.R, 2019 PERBANDINGAN KADAR FENOLIK TOTAL DAUN PUCUK MERAH (*Syzygium myrtifolium* Walp) MUDA DAN TUA, KARYA TULIS ILMIAH, FAKULTAS FARMASI, UNIVERSITAS SETIA BUDI, SURAKARTA.

Tanaman pucuk merah (*Syzygium myrtifolium* Walp.) merupakan tanaman hias yang mudah dijumpai di tepi-tepi jalan raya maupun di perkampungan. Daun pucuk merah mempunyai kandungan senyawa fenolik. Penelitian ini bertujuan untuk membandingkan kadar fenolik total daun pucuk merah muda dan tua.

Daun pucuk merah dipreparasi menjadi serbuk simplisia dan ekstrak, layaknya bentuk sediaan obat tradisional pada umumnya. Simplisia didapatkan dari proses pengeringan, sedangkan ekstrak didapatkan dari proses maserasi dengan pelarut etanol 96%. Masing-masing simplisia dan ekstrak ditetapkan kadar fenoliknya dengan metode Folin-ciocalteu. Folin-ciocalteu yang bereaksi dengan senyawa fenolik akan membentuk kompleks berwarna biru. Kompleks yang berwarna biru tersebut dibaca pada spektrofotometer UV-Vis, kemudian data hasil analisa dilakukan pengujian statistika dengan metode *independent t-test*.

Hasil penelitian menunjukkan bahwa rata-rata kadar fenolik total simplisia daun muda dan daun tua berturut-turut adalah sebesar 7,22 % dan 8,20 %, sedangkan kadar fenolik total ekstrak daun muda dan daun tua berturut-turut adalah sebesar 41,57% dan 46,11 %. Hasil tersebut menunjukkan bahwa ada perbedaan kadar fenolik total pada simplisia maupun ekstrak yang signifikan antara daun muda dan daun tua pucuk merah.

Kata kunci : daun pucuk merah, fenolik total, spektrofotometer UV-Vis.

ABSTRACT

ROOSALINA, F.R, THE COMPARISON OF TOTAL PHENOLIC CONTENT OF THE YOUNG AND OLD LEAVES OF RED LIP (*Syzygium myrtifolium* Walp), SCIENTIFIC WRITING, PHARMACY FACULTY, SETIA BUDI UNIVERSITY, SURAKARTA.

Red lip (*Syzygium myrtifolium* Walp., Myrtaceae family) is an ornamental plant that is popular in Indonesia so that its existence easily found on the edge of the road and in the yard. Red lip contained phenolic compound. The purpose of this study was to comparized of total phenolic content of the young and old leaves red lip.

Red lip were prepared into simplicia powder and extract, like traditional drugs in general. Simplicia was obtained from the drying process, while the extract was obtained from the maceration process with 96% ethanol. Each of the simplicia and extracts was determined by its phenolic content using the Folin-ciocalteu method. Folin-ciocalteu which reacted with phenolic compounds will form a blue complex. The blue complex was read on a UV-Vis spectrophotometer, then the results of the analysis data are tested statistically by the independent t-test method.

The results showed that the average total phenolic content of young and old leaves simplicia were 7.22% and 8.20%, while the total phenolic content of young leaf extracts and old leaves were respectively 41.57% and 46.11%. These results showed that there were significant differences simplicia and extract in total phenolic contents between young leaves and old leaves with red lip.

Keywords: red lip leaves, *total phenolic*, *spectrophotometric uv-vis*