

**PERBANDINGAN KADAR TANIN TOTAL DARI INFUSA DAN  
DEKOKTA DAUN, KULIT BUAH DAN BIJI DELIMA  
(*Punica granatum L.*)**

**ABSTRAK**

**DADANG BAYU SETIAWAN**

Email: *bayu\_snipers@yahoo.com*

Dalam penelitian ini dilakukan pengujian kadar tanin total dalam bentuk infusa dan dekokta dari beberapa bagian tanaman delima (*Punicagranatum L.*), yang diketahui memiliki efek sebagai antidiare. Ekstrak cair yang diperoleh dikeringkan menggunakan *freeze dryer* hingga diperoleh ekstrak kering. Penetapan kadar tanin total dilakukan secara metode Chanwitheesuk dengan pereaksi Folin Ciocalteu menggunakan instrumen spektrofotometer UV-Sinar Tampak pada panjang gelombang 760 nm. Hasil penelitian menunjukkan bahwa kadar tannin pada tanaman delima bagian infusa daun sebesar 3,53%, infusa kulit buah sebesar 5,85 %, infusa biji sebesar 2,02 %, dekokta daun sebesar 2,64 %, dekokta kulit buah sebesar 9,72 %, dekokta biji sebesar 2,09 %. Hasil penelitian menunjukkan bahwa kadar tannin total terbesar terdapat pada dekokta kulit buah delima.

**Kata kunci :** Daun, kulit buah, biji delima, tanin, spektrofotometer UV-Sinar tampak

***A COMPARISON OF THE TOTAL TANNIN CONTENTS IN INFUSE AND DECOCTE OF POMEGRANATE'S (*Punica granatum* L.) LEAF, FRUIT SKIN AND SEED***

**ABSTRACT**

**DADANG BAYU SETIAWAN**

Email: bayu\_snipers@yahoo.com

A test of the of total tannin contents of forms of infuse and decocte of same parts of pomegranate plants (*Punica granatum* L.), known as having an effect as anti-diarrhea, was conducted. The collected fluid extract was dried using a freeze dryer to obtain a dried extract. The determination of total tannin contents was made by a Chanwitheesuk method by a pre-reaction of Folin Ciocalteu using a UV- Visible Ray spectrophotometer at 760 nm wavelength. The results showed that the total tannin contents in pomegranate plant were : 3.53%, 5.85% and 2.02% for leaf, fruit skin and seed infuses, respectively and 2.64%, 9.72% and 2.09% for leaf, fruit skin and seed decoctes, respectively. The result of this research showed that the greatest total tannin content was found in the decocte of pomegranate's fruit skin.

**Keywords:** Pomegranate leaf, fruit skin, seed, tannin, UV-Visible spectrophotometer