

## ABSTRAK

**Andi Annisa Anastasya Irwan.** *Evaluasi Sediaan Hair Tonic Spray Kombinasi Ekstrak Daun Mimba (*Azadirachta indica* Juss) Dan Daun Kemangi (*Ocimum sanctum*). Dibimbing oleh Ibu Dewi Yuliana dan Ibu Vina Purnamasari.*

Tanaman mimba mengandung senyawa kimia seperti azadirachtin flavonoid, saponin dan tanin sedangkan tanaman kemangi mengandung senyawa kimia seperti steroid/triterpenoid, flavonoid, tanin dan minyak atsiri. Kombinasi senyawa yang terdapat pada kedua tanaman tersebut dapat menghasilkan antibakteri dan antijamur untuk menghilangkan ketombe dan kutu rambut. Tujuan penelitian ini adalah Untuk mengetahui stabilitas sediaan hair tonic spray kombinasi ekstrak daun mimba dan daun kemangi. Metode penelitian ini adalah eksperimental laboratorium menggunakan variasi formulasi ekstrak dan evaluasi hasil pengujian stabilitas formula. Hasil penelitian ini diperoleh bahwa persen rendamen kedua sampel ekstrak yaitu 12% (daun mimba) dan 10,8% (daun kemangi), kedua sampel positif mengandung senyawa kimia terpenoid/steroid, saponin, flavonoid, tannin, dan alkaloid, dan ekstrak kombinasi dua sampel stabil secara farmaseutika berdasarkan parameter organoleptic, pH, viskositas, dan bobot jenis.

**Kata Kunci:** *Daun Mimba, Azadirachta indica* Juss, *Daun Mimba, Daun Kemangi, Ocimum sanctum, Hair Tonic.*

## ABSTRACT

**Andi Annisa Anastasya Irwan.** *Evaluation of Hair Tonic Spray Combination of Neem Leaf Extract (*Azadirachta indica* Juss) and Basil Leaves (*Ocimum sanctum*).* Supervised by Ms. Dewi Yuliana and Ms. Vina Purnamasari.

The neem plant contains chemical compounds such as the flavonoid azadirachtin, saponins and tannins, while the basil plant contains chemical compounds such as steroids/triterpenoids, flavonoids, tannins and essential oils. The combination of compounds contained in these two plants can produce antibacterial and antifungal properties to eliminate dandruff and head lice. The aim of this research was to determine the stability of a hair tonic spray preparation combined with neem leaf extract and basil leaves. This research method is laboratory experimental using a variety of extract formulations and evaluating the results of formula stability testing. The results of this research showed that the percentage of the two extract samples was 12% (neem leaves) and 10.8% (basil leaves), both samples were positive for containing terpenoid/steroid chemical compounds, saponins, flavonoids, tannins and alkaloids, and the extract was a combination of the two extracts. the sample is pharmaceutically stable based on organoleptic parameters, pH, viscosity and density.

**Keywords :** *Neem Leaves, Azadirachta indica* Juss, *Basil Leaves, Ocimum sanctum, Hair Tonic.*