AKTIVITAS DEODORAN HIDROSOL DAUN BELUNTAS (*Pluchea indica* (L.) Less.) DALAM SEDIAAN DEODORAN-ROLL-ON TERHADAP PENURUNAN INTENSITAS BAU ASAM ISOVALERAT

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ABSTRAK

Bau badan yang berasal dari kelenjar keringat ekrin dan apokrin, khususnya apokrin yang menghasilkan sekresi diantaranya *asam isovalerat*. Saat ini yang paling populer dalam mengatasi bau badan dengan menggunakan deodoran. Dari penelitian yang telah dilakukan oleh Ita Anggraini (2005), didapatkan bahwa *hidrosol daun beluntas (Pluchea indica* (L.) Less*)* mempunyai aktivitas sebagai deodoran. Penelitian kemudian dilanjutkan dengan menentukan aktivitas deodoran sebelum, dan sesudah diformulasi dalam bentuk *deodoran-roll-on* dari *hidrosol daun beluntas*. Kemudian dilakukan uji terhadap penurunan intensitas bau asam isovalerat dengan menggunakan *kromatografi gas*. Dari hasil penelitian yang telah dilakukan, sebelum diformulasi diperoleh data persen penurunan area puncak sebesar 50.52%, dan konsentrasi sebesar 54.24%, sedangkan sesudah diformulasi diperoleh data persenpenurunan area puncak sebesar 41.35%, dan konsentrasi sebesar 44.70%.

Kata kunci: Asam isovalerat, Deodoran roll-on, Hidrosol daun beluntas (*Pluchea indica* (L.) Less), Kromatografi gas.

DEODORANT ACTIVITIES OF GARDENIA LEAVES HYDROSOL (*Pluchea indica* (L.) Less.) IN THE DEODORANT ROLL–ON PREPARATION TOWARDS THE DECREASE OF ISOVALERIC ACID ODOUR

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ABSTRACT

The body odour comes from the ekrin and apokrin perspiration / sweat gland, especially apokrin which results secretion, among them *isovalerat acid*. At the moment, the most popular in overcoming the body odour is by using deodorant. This research has been conducted by Ms. Ita Anggraini (2005), it was gotten that *gardenia leaves hydrosol* (*Pluchea indica* (L.) Less) has activity as deodorant. The research was then continued by determining the deodorant activities before and after being formulated in the *roll – on deodorant* form from *gardenia leaves hydrosol*. Afterwards the testing towards the decrease of isovalerat acid odour intensity was conducted by using *chromatography gas*. From the research results conducted, before being formulated, the decrease percentage data of the peak area was 50.52 % with concentration of 54.24 %, meanwhile after being formulated the decrease percentage data of the peak area was 41.35 % with concentration of 44.70 %

Key Words : Isovaleric acid, Gardenia leaves (*Pluchea* indica (L.) Less) Hydrosol, Roll – on deodorant, Chromatography gas.