

ABSTRAK

Penelitian bertujuan untuk mengetahui gambaran senyawa sinom campuran jeruk nipis dan madu (SCJM) substitusi kunyit dengan kunyit putih, temu ireng dan temulawak dengan alat GC-MS. Penelitian dilakukan secara eksperimental dengan perlakuan substitusi kunyit dengan kunyit putih, temu ireng dan temulawak, perlakuan sebagai berikut; (S1P1) substitusi kunyit dengan kunyit putih, (S2P2) substitusi kunyit dengan temu ireng, (S3P3) substitusi kunyit menggunakan temulawak, (SAxPx) substitusi kunyit putih, temu ireng dan temulawak pada SCJM. Hasil menunjukkan gambaran kromatogram senyawa yang terdapat pada puncak tertinggi ditunjukkan dari hasil substitusi kunyit putih; *Cyclotrisiloxane, hexamethyl-2-Propanone, 1-[(4-methoxyphenyl)dimethylsilyl]-Arsenous acid, tris (trimethylsilyl)ester* (30,24%), substitusi temu ireng; *5,8Epoxy-15-nor-labdane 1-Acetyl-2,2,6-trimethyl-9-formylbicyclo[4.3.0]nonane*, (33,76%), substitusi temulawak; senyawa (*E*)-*1-Ethoxy-5,5-dimethyl-1-hexen-4-ol* (20,94%), substitusi campuran kunyit putih, temu ireng dan temulawak; *5,8-Epoxy-15-nor-labdane Diethyl-1-(carb-n-butoxy)propylphosphonate* nilai retention area (27,31%)

Kata Kunci : Substitusi; temulawak; temu ireng; kunyit putih; sinom

ABSTRACT

This study aims to describe the sinom compound of mixed lemon and honey (SCJM) formulations resulting from the substitution of turmeric with various rhizomes which were analyzed using the GC-MS tool. This research was conducted experimentally by using the substitution treatment of turmeric with various rhizomes as follows; (S1P1) treatment of turmeric substitution using white turmeric, (S2P2) turmeric substitution using temu ireng Intersection, (S3P3) Turmeric substitution using curcuma, (SAxPx) is a mixture of white turmeric, temu ireng, curcuma in SCJM. The results of the GC-MS analysis show that the chromatogram of the compound at the highest peak is shown from the results of white turmeric substitution; Cyclotrisiloxane, hexamethyl-2-Propanone, 1-[(4-methoxyphenyl)dimethylsilyl]-Arsenous acid, tris (trimethylsilyl)ester (30,24%), substituted for temuireng; 5,8Epoxy-15-nor-labdane 1-Acetyl-2,2,6-trimethyl-9-formylbicyclo[4.3.0]nonane,, substituted with curcuma; (E)-1-Ethoxy-5,5-dimethyl-1-hexen-4-ol (20.94%), substituted for a mixture of white turmeric, temu ireng and curcuma; 5,8-Epoxy-15-nor-labdane Diethyl-1-(carb-n-butoxy)propylpho (27.31%)

Keywords: Substitution; Curcuma; Temu_ireng; Turmeric_white; Sinom