

LAMPIRAN

Lampiran 1. Komposisi Siwak Berdasarkan Penelitian Sebelumnya

No	Unsur/Senyawa	Konsentrasi (%)	Pelarut	Proses Ekstraksi	Referensi
1	Benzyl nitrile	33,69	Hexenylacetate	<i>Solid-phase Microextraction (SPME)</i>	Farang et al, 2017
	Benzyl isothiocyanate (BITC)	25,61			
	Benzaldehyde	12,26			
	Nonanal	6,18			
	n-Octyl acetate	3,81			
	E-Cinnamaldehyde	3,18			
	α -Terpineol acetate	2,21			
	Naphthalene	2,05			
	E- β -Farnesene	1,90			
	Oxalic acid, butyl propyl ester	1,61			
	β -Bisabolene	1,59			
	2,2,4-Trimethyl-2,5-dihydrofuran	1,40			
	Zingiberene	1,08			
	3-Indolecarbonitrile	0,73			
	Dodecane	0,69			
	α -Terpineol	0,63			
	Isopropyl myristate	0,40			
Unknown nitrile	0,39				
Benzyl isocyanate	0,24				
Benzoic acid	0,23				
Butyl maleate	0,11				
2	Benzenecarboxylic acid	24,50	Metanol	<i>Soxhlet Extraction</i>	Al-Sohaibani dan Murugan, 2012
	Benzene isothiocyanate	18,10			
	Benzaldehyde	13,20			
	Benzylidenebenzylamine	12,10			
	N- benzylacetamide	10,90			
	Benzyl isocyanate	7,20			
	Benzyl nitrile	2,00			
	Benzyl chloride	1,60			
	2-(3'-phenylpropyl)-5-ethylpyridine	0,80			
	3a`-hydroxy-3-methyl-6-phenyl-4-piperidone	0,80			

No	Unsur/Senyawa	Konsentrasi (%)	Pelarut	Proses Ekstraksi	Referensi
	Benzaldehyde, 3-methoxy	0,50			
	benzamide, N-(4-methylphenyl)	0,45			
	Acetophenone benzyloxime	0,43			
	2-coumaranone	0,40			
	Benzaldehyde, 4-(phenylmethoxy)	0,30			
	(Z,Z)-a`-farnesene	0,30			
	Pyrrole-2-carboxylic acid, 4-hydrazonomethyl-3,5-dimethyl-, ethyl ester	0,30			
	1-[-]-4-hydroxy-1-methylproline	0,10			
	Benzaldehyde, 4-methoxy	0,10			
	Decanoic acid, methyl ester	0,10			
	Ethanone,2-hydroxy-1-phenyl	0,09			
	Docosanoic acid, ethyl ester	0,08			
	Benzeneacetic acid	0,07			
	Benzyl (6Z,9Z,12Z)-6,9,12-octadecatrienoate	0,02			
	3-benzyloxy-1-nitro-butan-2-Ol	0,01			
	1,3-cyclohexanedicarbohydrazide	0,01			
3	Benzyl isothiocyanate	52,50			
	Benzyl nitrile	38,30			
	Carvacrol	3,30			
	Benzaldehyde	2,50			
	Aniline	0,70			
	Naphtalene	0,60			
	1,8-cineole	0,30			
	Benzyl isocyanate	0,30	Air	Distilasi	Noumi et al, 2011
	Methyl chavicol	0,30			
	Trans-anethol	0,20			
	Diphenyl ether	0,20			
	Sabinene	0,10			
	Linalool	0,10			
	Myrcenol	0,10			
	Benzyl ester	0,10			
4	1,8-Cineole	45,90			
	α -Caryophyllene	13,37	Air	Distilasi	Alali et al, 2004
	Caryophyllene oxide	6,34			

No	Unsur/Senyawa	Konsentrasi (%)	Pelarut	Proses Ekstraksi	Referensi
	β -Pinene	6,30			
	Unidentified traces	5,00			
	α -Terpineol	4,58			
	Terpinolene	2,85			
	β -Thujone	1,84			
	Terpi-4-ol	1,65			
	<i>p</i> -Cymene	1,32			
	Linalyl acetate	1,28			
	Linalool	1,15			
	Champor	1,03			
	β -Caryophyllene	0,72			
	Aromadendrene	0,63			
	α -Pinene	0,50			
	<i>cis</i> -Pinochampone	0,50			
5	Cl ⁻	4,64-6,84	Air	Ekstraksi satu tingkat	Darout et al, 2000
	SO ₄ ²⁻	19,85-20,1			
	SCN ⁻	0,28-0,38			
	NO ₃ ⁻	0,05			
6	Cl	71 mg/g	Air	Ekstraksi satu tingkat	Abhary and Al-Hazmi 2016
	Na	7,262 ± 0,002 mg/g	Siwak halus	-	
	Mg	1,569 ± 0,001 mg/g			
	Al	0,051 ± 0,001 mg/g			
	K	12,198 ± 0,002 mg/g			
	Ca	4,126 ± 0,001 mg/g			