International Journal of ChemTech Research
CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.12 No.05, pp 08-14, 2019

Study of Toxicity of Cacao Skin Liquid (Theobroma cacao, L) Using BSLT Method (Brine Shrimp Lethality Test)

I Ketut Budaraga[1]*, Eva Susanti[2]

[1,2)]**Ekasakti University, Agricultural Technology Department, Faculty of Agriculture, Jalan Veteran Dalam No.26B Padang, Indonesia, Telp/Fax 0751)28859; (0751)32694**

Abstract : Cocoa skin has great potential to be processed into liquid smoke. So far, it has only been processed into animal feed and the rest is disposed of. The aim of the study was to determine the toxicity of the liquid smoke water of cocoa peels. This research was carried out in the Agricultural Technology Technology Laboratory of Ekasakti University, laboratory of the Faculty of Agricultural Technology, Andalas University and LL region X dikti Laboratory in Padang. Analysis of cocoa skin liquid smoke data using descriptive experimental data. The treatment in the study was the water content of cocoa skin, namely 10%, 15%, 20% and 25%. The results showed that the water content of different cocoa peel raw materials gave different toxicity values. Toxicity activities in liquid smoke of cocoa peels with different moisture content met the toxicity standard. The water content of 25 percent has the most toxic value of 59,020 ppm.

Key words: liquid smoke of cacao bean skin, water content.

I Ketut Budaraga *et al* /International Journal of ChemTech Research, 2019,12(5): 08-14.

DOI= http://dx.doi.org/10.20902/IJCTR.2019.120502

*****