

SKRIPSI

**AKTIVITAS ANTIBAKTERI EKSTRAK
ETANOL 96% RIMPANG TEMULAWAK DARI TIGA
DAERAH TERHADAP *Bacillus cereus***



SASTRA SANGGA DHINI

**FAKULTAS FARMASI UNIVERSITAS AIRLANGGA
DEPARTEMEN FARMAKOGNOSI DAN FITOKIMIA
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ABSTRACT

ANTIBACTERIAL ACTIVITY OF 96% ETHANOL EXTRACT *Curcuma xanthorrhiza* RHIZOME FROM THREE DIFFERENT LOCATION AGAINST *Bacillus cereus*

Sastra Sangga Dhini

The active substance of Curcuma xanthorrhiza Roxb. was influenced by environment. It may be influence antibacterial activity of 96% ethanol extract Curcuma xanthorrhiza rhizome. The aim of this study was to investigate the antibacterial activity of 96% ethanol extract of Curcuma xanthorrhiza rhizome from three different location: Sukabumi, Lembang and Bogor against Bacillus cereus. The antibacterial activity was measured in terms of the MIC and the differences was analysed with anova use inhibition zone diameters variable. MIC determined by well diffusion method. MICs of 96% ethanol extract Curcuma xanthorrhiza rhizome from Sukabumi, Lembang and Bogor against Bacillus cereus, respectively were 400, 400 and 100 µg/ml. The result of analysis of varian in concentration 500-1500 µg/ml show that 96% ethanol extract of Curcuma xanthorrhiza rhizome from three different location have significant difference. The best activity has been showed by extract from Lembang followed by Bogor and then Sukabumi.

Keyword : *antibacterial activity, MIC, Curcuma xanthorrhiza, location, Bacillus cereus*