CE009 The 8<sup>th</sup> International Conference and Workshop on Basic and Applied Sciences Biotransformation of Compounds in Laja Gowah Oil (Alpinia malaccensis (Burm.f) Roscoe) by Aspergillus niger and Its Antibacterial Activity STIKES

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Methyl cinnamate levels affect the antibacterial activity of the biotransformation products, which is more effective at inhibiting S. aureus than E. coli.

Sample	Inhibition zone (cm)	
	E. coli	S. aureus
Laja gowah oil	0.9	0.5
LG-24	0.4	0.8
LG-48	0.3	1.1
LG-72	-	1.4
LG-96	-	1.9
DMSO 15%	-	
Ciproflaxacine	1.84	2.73

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- The biotransformation process of A. niger is
- The optimum incubation time for biotransformation of laja gowah oil was 72 h with a methyl cinnamic