



**DETECTION OF ANTI-HEMOLYTIC ACTIVITY OF**  
***Plectranthus amboinicus* (Lour.) Spreng.**  
**(OREGANO) IN *Escherichia coli***

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### ABSTRACT

Some bacteria are known to have developed their multi-drug resistant characteristic. This characteristic enables them to inflict more damage to the host due to the insensitivity to antibiotics. A new method that suppresses the bacterial pathogenicity is through their virulence factors. The pathogenicity of a bacteria depends on the virulence of the bacteria since it is the capacity to produce disease. Alpha-hemolysin is one of the virulence factor exhibited by *Escherichia coli*. This virulence factor is tested against *Plectranthus amboinicus* (Lour.) Spreng. crude extract. Antimicrobial assay was done prior to the alpha-hemolytic toxin test. *Plectranthus amboinicus* (Lour.) Spreng. crude extract does not exhibit anti-bacterial characteristics and hence, alpha-hemolytic toxin test was done. There was no discoloration around the blood agar which signifies the negative result of *Plectranthus amboinicus* (Lour.) Spreng. crude extract against the production of alpha-hemolysin in *Escherichia coli*.

**Key words:** Anti-virulence factor, Pathogenicity, Alpha-hemolysin



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