

Antibacterial Activity of *Phyllanthus niruri* Linn. Extract to *Escherichia coli* on Broiler (*Gallus domesticus*)

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ABSTRACT

The aim of this research was antibacterial activity of *Phyllanthus niruri* Linn. extract to *Escherichia coli* on broiler by isolation and identification from the sample of hepar tissue's Broiler. The extract of *Phyllanthus niruri* Linn. were widely known to have antibacterial activity. In this research, broilers at the age of twenty two days were divided into five groups. Two groups are positive control was infected by *Escherichia coli* and negative control was not infected by *Escherichia coli*. Three groups are extract of *Phyllanthus niruri* Linn. plant that variate in three dosage: 20%, 25% and 30%. After five days treatment the broiler was necropted to take the sample of hepar tissue. The data were tested with Chi-square Analyze. There was a significant difference of antibacterial activity between treatment group doses 30% with positive control. The result showed P3 can be used as antibacterial to *Escherichia coli*.

Key words: *Phyllanthus niruri* Linn., Antibacterial, *Escherichia coli*, Broiler, extract