

# Screening of phytochemicals and antimicrobial activity of ethanol extract Komba-komba leaf (*Chromolaena odorata*) against bacteria pathogens

*by Yunus Reni*

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One of Southeast Sulawesi's local plants that has been empirically used by the community for the treat is the Komba-komba (plant *Chromolaena odorata*). Traditionally this komb-komb plant is used as medicine for healing, skin infections. Komba-komba or kirinyuh (leaves *Chromolaena odorata*) contain compounds that ha inhibiting the growth of microorganisms / antibacterial. The purpose of this study was to determine the a contained in the komba-komba plant (*Chromolaena odorata*) and to determine the antimicrobial activity of the e the kombakomba plant (*Chromolaena odorata*) against pathogenic bacteria. Research Methods: This typ *experimental laboratories*, using the *One-shot Case Study* design which is a research design with the treat *independent*. The research procedure starts from plant preparation, extract preparation, thin layer chromato inhibitory test on test bacteria. Research: ResultsThe results of phytochemical test screening of komba-komba s komba leaf extract (*Chromolaena odorata*) contains Alkaloids, Flavonoids, Polyphenones and tannins, saponi The inhibitory test results showed that the concentration of 1.56 ppm; 3,125 ppm; 6,250 ppm; 12,500 ppm; 25,0 ppm; and 100,000 ppm showed a zone of inhibition against the bacteria *Neisseria gonorrhoeae*, *Klebsiella p Pseudomonas aeruginosa*. Conclusion: *Chromolaena odorata* plants contain antibacterial compounds that ha inhibit pathogenic bacteria.



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