

Investigation on antibacterial activity of fermented pangium edule reinw. Seed against several bacterial cause respiratory and skin infections

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Abstrak

Nowadays, the importance thing is antimicrobial phytotherapy, because of a lot of strains of pathogenic microorganisms that have become resistant to the action of antibacterial substances in concentrations with in a therapeutic range. To overcome the problem the antimicrobial of phototherapy can be used as a natural medicine. One of them that has been investigated is the fermented Pangium edule Reinw. seed kernels (kluwak). The objective of this research was to investigation the activity of oil, which was extracted from the seed kernels by methanol against three bacteria thai had been known cause skin infections; Staphylococcus aureus, Staphylococcus epidermidis and Pseudomonas aeruginosa; and the activity of ethanol extract fermented seed kernels against three bacteria cause respiratory infections; Staphylococcus aureus ATCC 25923, Streptococcus p-hemolyticus Group A, and Pseudomonas aeruginosa ATCC 27853. Oil and ethanol extract of fermented seed kernels showed antibacterial action against both of the above bacteria.