

## Antibacterial Effect of Rukkattana (*Alstonia scholaris*) (Bark) Against *Staphylococcus aureus*

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*Alstonia scholaris* (F.) is an evergreen tree native to the Indian subcontinent and parts of Indonesia, Malaysia as well as Australia. The bark of the *Alstonia scholaris* is used in Ayurveda medicine to treat fever, malaria, and troubles in digestion, tumors, ulcers, asthma, and sore throat. Therefore, this study examined the Antibacterial activity of bark decoction of *Alstonia scholaris* against *Staphylococcus aureus*. Three decoctions of 60g bark of *Alstonia scholaris* were prepared as C1 (480ml reduced to 60ml), C2 (960ml reduced to 120ml), C3 (1920ml reduced to 240ml). The reference drug amoxicillin (500mg) were used in the evaluation of Anti-bacterial activity. The procedure followed the Antibacterial sensitivity test (ABST) (Kirby – Bauer method). The effect of different decoctions on the bacterial strains were assayed by agar well diffusion method. According to the comparative data analyses, the significant antibacterial activity of *Alstonia scholaris* decoctions were compared with standard antibiotic, Amoxicillin. The results showed a significant difference in the ( $P \leq 0.05$ ) in C2 (28.50 +- 0.34 mm) and C3 (32.16 +- 0.47 mm). C1 was not active against *Staphylococcus aureus*. It is concluded that *Alstonia scholaris* decoction possessed strong activity of healing capacity and inflammatory properties.

**Keywords:** Rukkattana, *Alstonia scholaris*, *Staphylococcus aureus*