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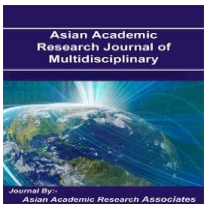

EFFICACY OF TUBLI (DERRIS ELLIPTICA BENTH.) ROOT EXTRACT AGAINST TICKS & FLEAS IN NATURALLY INFESTED DOGS

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Abstract

This study was conducted to determine the efficacy of Tubli (*Derris elliptica Benth.)* root extract against ticks and fleas in naturally infested dogs. Percentage efficacy was determined using Abbott's formula. Nine (9) experimental dogs of either sex and irrespective of age that is apparently infested with both fleas and ticks were gathered from the different Municipalities of Northern Samar, Philippines and were confined at the veterinary teaching hospital for treatment using the Tubli root extract. The study revealed that Tubli root extract has a potential value as an organic acaricide, and considered a good alternative to other commercial ectoparaciticides. A combined efficacy rate for ticks & fleas of 68.62% and 73.68% was observed at 5% and 10% solution, respectively given topically via spray. There is a high significant difference between negative control and 5% concentration, though insignificant between 5% and 10% concentration. No adverse effect was noted in all experimental dogs given with either 5% or 10% concentration of the solution for 24 hour-period of exposure. Further, the use of Tubli root extract as an alternative to pyrethrin, carbaryl and other commercial ectoparaciticides might be more practical and offers a safer post treatment effect.

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