

Formulation of Evaluation of Anti- Inflammatory Syrup of Cynodon Dactylon

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Abstract: *Cynodon dactylon*, a traditional medicinal plant, has been explored for its anti-inflammatory potential. This study aimed to formulate and evaluate an anti-inflammatory syrup of *Cynodon dactylon* extract. The syrup was prepared using a hydroalcoholic extract of *Cynodon dactylon*, standardized for flavonoid and phenolic content.

The formulation was optimized for viscosity, pH, and stability. Anti-inflammatory activity was demonstrated significant anti-inflammatory activity, comparable to standard drugs. Stability studies showed no significant changes in physicochemical parameters or anti-inflammatory activity.

The formulated syrup exhibited acceptable viscosity, pH, and palatability. This study validates the traditional use of *Cynodon dactylon* and provides a potential phytopharmaceutical product for inflammatory conditions.

Keywords: Cynodon dactylon, anti-inflammatory syrup, phytopharmaceuticals, formulation, evaluation

