

**TOTAL PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY
OF *ORTHOSIPHON STAMINEUS* AND *ANDROGRAPHIS
PANICULATA***

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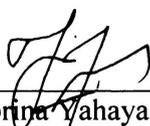
This Final Year Project Report entitled “**Total Phenolic Content and Antioxidant Activity of *Orthosiphon Stamineus* and *Andrographis Paniculata***” was submitted by Siti Latifah binti Abdullah, in partial fulfillment of the requirements for the Degree of Bachelor of Science (Hons.) Applied Chemistry, in the Faculty of Applied Sciences, and was approved by



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ABSTRACT

TOTAL PHENOLIC CONTENT AND ANTIOXIDANT ACTIVITY OF *ORTHOSIPHON STAMINEUS* AND *ANDROGRAPHIS PANICULATA*

The total phenolic content and antioxidant activity of *Orthosiphon stamineus* and *Andrographis paniculata* leaves were investigated. The total phenolic content was evaluated using Folin-Ciocalteu reagent and antioxidant activity was evaluated by measuring free radical scavenging activity by 2,2-diphenyl-1-picrylhydrazyl (DPPH). The crude extracted from *Andrographis paniculata* leaves has higher amount of phenolic content (2.1708 mgGAE/g sample) than *Orthosiphon stamineus* crude extract (1.8884 mgGAE/g sample). The crude leaves extracted from *Orthosiphon stamineus* displayed the higher percentage of scavenging activities than *Andrographis paniculata* crude extract.